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Compliance Status Report Revision 1
HAA-15 (MCA Barracks Site)

Hunter Army Airfield
Savannah, Georgia
HSI Site #10521

Original Report – October 2010
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Compliance Status Report
Revision 1
HAA-15 (MCA Barracks Site)

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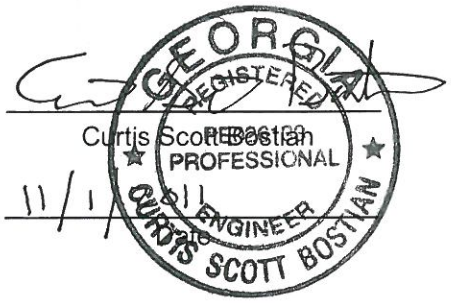
1. Qualified Groundwater Scientist Certification

I certify that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields as demonstrated by state registration, professional certifications, or completion of accredited university courses that enable that individual to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

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Acronyms

ASV	Alternative Ecological Screening Value
BERA	Baseline Ecological Risk Assessment
CAP	Corrective Action Plan
CSF	Cancer Slope Factors
cis-DCE	cis-1,2-dichloroethene
COC	Constituents of Concern
COPEC	Constituents of Potential Ecological Concern
cm	centimeter
cm^2	square centimeters
CSM	Conceptual Site Model
CSR	Compliance Status Report
CVOC	Chlorinated Volatile Organic Compound
DCA	dichloroethane
DNAPL	Dense nonaqueous phase liquid
DO	dissolved oxygen
DOT	Department of Transportation
DPT	direct-push technology
ECD	electron capture detector
EcoSSL	Ecological Soil Screening Level
ELCR	Excess Lifetime Cancer Risk
EPC	Exposure Point Concentration
ERA	Ecological Risk Assessment
ERD	Enhanced reductive dechlorination
ESV	Ecological Screening Value
FID	flame-ionization detector
F_{oc}	fraction of organic carbon
F_{solids}	fraction of sediments present as solids
FMR	Flightline Mitigation Report
FOD	Frequency of Detection
ft bgs	Feet below ground surface
GADNR	Georgia Department of Natural Resources
GAEPD	Georgia Environmental Protection Division

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HAAF	Hunter Army Airfield
HGL	HydroGeoLogic, Inc.
HI	Hazard Index
HQ	Hazard Quotient
HSI	Hazardous Sites Inventory
HSRA	Hazardous Site Response Act
IDW	Investigation Derived Waste
IWTP	Industrial Wastewater Treatment Plant
J&E	Johnson and Ettinger
kg	kilogram
K_{oc}	water-organic carbon partition coefficient
L/day	liter per day
LOEC	Lowest Observed Effect Concentration
MCA	Military Construction Account
MCL	Maximum Contaminant Level
MIP	Membrane Interface Probe
mg/day	milligram per day
mg/kg	milligram per kilogram
mg/L	milligrams per liter
µg/kg	microgram per kilogram
µg/L	micrograms per liter
msl	mean sea level
MTBE	methyl tert-butyl ether
MW	monitor well
NC	Notification Concentration
NCO	Noncommissioned officer
NOAA	National Oceanic and Atmospheric Administration
NOARL	No Observed Adverse Effect Levels
ORNL	Oak Ridge National Laboratory
ORP	Oxidation-reduction potential
PCE	Tetrachloroethene
PAH	poly-aromatic hydrocarbons
PID	photo-ionization detector
PQL	Practical Quantitation Limit

R5 ESL	Region 5 Ecological Screening Levels
RAGS	Risk Assessment Guidance for Superfund
RCRA	Resource Conservation Recovery Act
RFD	Reference Dose
RRS	Risk Reduction Standards
RSL	Regional Screening Level
SAIC	Science Applications International Corporation
SESD	Science and Ecosystem Support Division
SOF	Special Operations Forces
SLERA	Screening Level Ecological Risk Assessment
SMDP	Scientific Management Decision Point
SQB	Sediment Quality Benchmark
SQL	Sample Quantitation Limit
SSL	Soil Screening Level
SVOCs	semivolatile organic compounds
TCE	trichloroethene
TCEQ	Texas Commission on Environmental Quality
UCL	Upper Confidence Limit
USACE	U.S. Army Corps of Engineers
USAEC	U.S. Army Environmental Command
USEPA	U. S. Environmental Protection Agency
USFW	U.S. Fish and Wildlife Service
USGS	U.S. Geologic Survey
VC	vinyl chloride
VOCs	Volatile organic compounds
WQB	Water Quality Benchmark

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Executive Summary

This compliance status report (CSR) documents the site investigations and development of risk reduction standards (RRS) for the Military Construction Account (MCA) Barracks Site (HAA-15) at the Hunter Army Airfield (HAAF) in Savannah, Georgia. This CSR investigation was conducted in accordance with the requirements of the Georgia Hazardous Site Response Act (HSRA).

Initial discovery of impacts occurred during pre-construction investigations for the Special Operations Forces (SOF) facility and MCA Barracks during 1996 through 1998. These areas are contiguous and were combined into a single site (Hazardous Sites Inventory [HSI] Site #10521). Subsequent investigations conducted from 1999 through 2003 consisted of characterizing and delineating volatile organic compounds (VOCs) in groundwater using direct push technology (DPT). These data indicated that groundwater is predominantly impacted with trichloroethene (TCE) and cis-dichloroethene (cis-DCE). Petroleum hydrocarbons were detected in isolated areas at low concentrations. Low concentrations of other chlorinated volatile organics (tetrachloroethene [PCE], dichloroethane [DCA]) have also been detected in isolated areas.

During 2005 and 2006, additional investigation activities were conducted that included collecting soil, groundwater, surface water, and sediment samples. Soil samples were analyzed for VOCs, semi-volatile organic compounds (SVOCs), and/or metals, with parameters selected based on operational history of the area being investigated. Potential source areas were identified by the U.S. Army Corps of Engineers ([USACE] 2004) as discussed in the Site Investigation Work Plan [HydroGeoLogic (HGL), 2005c]. The soil sampling results indicated isolated areas of low concentration vadose zone soil impacts. TCE was only detected in one soil sample, which was collected at Hangar T-811. Lead and mercury were detected in surface soil in the Old Hospital Area at concentrations above background and Type 1 RRS concentrations. Groundwater samples were collected from temporary borings using DPT and from 30 groundwater monitor wells. The data from the groundwater samples confirmed TCE as the predominant contaminant of concern with the impact area covering a large area. Six surface water samples and nine sediment samples were collected from Pond 29. No impacts to the surface water (Pond 29) were detected and sediment samples were below the applicable standards.

In 2007, HAAF personnel sampled liquids in a grease trap connected to Hangar T-811. The sampling results indicated that high concentrations of TCE and its degradation products (cis-DCE and vinyl chloride [VC]) were present in the liquid. Subsequently, the grease trap was disconnected, cleaned and partially removed in April 2007. Soil samples were collected in the immediate area following removal.

TCE was detected in three soil samples collected in the immediate vicinity of the grease trap.

Additional investigation activities were conducted from November 2009 through June 2010. These recent site investigation activities included the following tasks:

- Investigating potential TCE source areas using Membrane Interface Probe (MIP) technology
- Investigating potential TCE source areas by collecting soil samples using DPT
- Collecting additional stratigraphic data to better define the hydrostratigraphy underlying the site
- Collecting water-level data from site monitor wells to confirm vertical and horizontal hydraulic gradients
- Installing additional monitor wells to delineate potential source areas and extent of impacts
- Sampling of monitor wells for analysis of VOCs
- Sampling of soil for analysis of lead

Additional investigation activities were subsequently conducted from July 2011 through September 2011. These most recent site investigation activities included the following tasks:

- Soil sampling for vertical delineation
- Installation of six shallow monitoring wells for horizontal delineation
- Installation of eight deep monitoring wells for horizontal delineation
- Installation of three deep double-cased monitoring wells for vertical delineation
- Development and sampling of new groundwater monitoring wells
- Collection of water level measurements from selected monitoring wells associated with HAA-15

Based on the results of the MIP, DPT and groundwater sampling results from existing and new monitor wells, two source areas have been identified. The first source was determined to be located in the Hangar T-811 area where TCE was used as a cleaner and solvent as part of previous operations. It is likely that TCE contamination in soil is located in the vicinity of the grease trap. TCE was detected at concentrations that indicate the likely presence of dense non-aqueous phase liquid (DNAPL) across Lightning Drive from the Hangar T-811 and former grease trap area. Soil contamination, detected below the water table in this area, appears to be a continuing source of groundwater contamination. A pathway for the downward migration of the TCE DNAPL was not located and may have dissipated through dissolution and natural

attenuation following the termination of the cleaning and maintenance operations in Hangar T-811 that resulted in the TCE release.

A potential second source area was identified near the aircraft wash racks and former Industrial Waste Treatment Plant (IWTP) adjacent to Building 850, southeast of the Hangar T-811. In this area, TCE was detected in groundwater in the deep zone of the upper aquifer at one location. The TCE concentration [2.8 milligram per liter (mg/L)] was much lower than the impacts detected near Hangar T-811. Concentrations indicative of source mass were not detected in unsaturated soil in the area or in the shallow zone of the upper aquifer.

Based on the available data, the TCE mass is located predominantly in the deeper zone of the upper aquifer from 35 to 50 feet below ground surface (ft bgs). Significantly lower concentrations (1 to 2 orders of magnitude) were detected in the shallow zone of the upper aquifer.

Vertical delineation in the source area indicated that the impacts are predominantly held up in the interbedded clays between 35 and 50 ft bgs. These interbedded clays in the deeper interval of the upper aquifer and the clay of the upper Hawthorne confining unit have effectively prevented any significant vertical migration beyond 50 ft bgs. The two potable wells in the area have open intervals below the Hawthorne confining unit in the upper Floridan Aquifer (259 to 504 ft bgs and 260 to 555 ft bgs) and are not at risk from the impacts at this site.

Impacts were not detected in Pond 29 during surface water and sediment sampling in 2006. Pond 29 has been drained due to a leak and storm water runoff is currently shut off. Based on historical and recent elevation data, Pond 29 periodically intercepts groundwater dependent on groundwater fluctuations. The continuing low contaminant concentrations in the shallow zone of the aquifer indicate that surface water impacts will continue to be minimal.

As stated above, the 2006 surface soil sampling results indicated lead and mercury impacts to be present at concentrations exceeding the Type 1 RRS in the Old Hospital Area. Mercury impacts were delineated to below background and Type 1 RRS concentrations in 2006. Supplemental surface soil sampling performed in 2010 completed the delineation of lead impacts and confirmed that it is limited to a small area.

A baseline risk assessment was performed to evaluate whether constituent concentrations detected in surface soil, subsurface soil, sediment, surface water and groundwater at HAA-15 pose a risk or hazard to current and hypothetical future receptors. The maximum detected soil and groundwater constituent concentrations were compared with the Type 1 through 4 RRSs. Surface water and sediment

maximum detected concentrations were compared with the Type 1 RRSs. Finally, potential vapor migration from soil and groundwater into buildings at the site was evaluated.

Lead and mercury concentrations in soil exceeded the Type 1 and Type 2 standards. Lead also exceeded the Type 3 and Type 4 standards at one location. Four constituents were detected in shallow groundwater at concentrations exceeding the Type 1 and Type 3 RRSs: cis-DCE; isopropylbenzene; methyl tert-butyl ether (MTBE); and TCE. Only TCE exceeded the Type 2 and Type 4 RRSs. Seven constituents were detected in deep groundwater at concentrations exceeding the Type 1 and Type 3 RRSs: benzene; 1,1-dichloroethene; cis-DCE; isopropylbenzene; methylene chloride; TCE; and VC. Four constituents were detected in the deep groundwater at concentrations greater than the Type 2 RRS: benzene; cis-DCE; TCE; and VC. Three constituents exceeded their Type 4 RRS: cis-DCE; TCE; and VC.

Soil and shallow groundwater results were evaluated for the vapor intrusion pathway. The maximum detected medium-specific concentrations were used in the calculations as a conservative measure. The results indicated that the risks were less than the Georgia Environmental Protection Division (GAEPD) HSRA benchmark of 1×10^{-5} for all receptors except residents exposed to vapors migrating from groundwater. For that receptor, the calculated risk was 1×10^{-5}, just slightly greater than the GAEPD benchmark and well within the U.S. Environmental Protection Agency (USEPA) risk range. TCE was the vapor intrusion risk driver. The noncancer hazards were less than the benchmark of 1, again with the exception of the resident exposed to vapors migrating from groundwater where the hazard was calculated to be 5, due to the presence of TCE. These risks and hazards were calculated using the updated cancer slope factors and reference doses for TCE that were released on September 28, 2011. If the average TCE concentration were used in the vapor migration model, the excess lifetime cancer risk (ELCR) and hazard index (HI) would be less than and equal to the GAEPD HSRA benchmarks of 1×10^{-5} or 1, respectively.

Screening level and baseline ecological risk assessments (ERAs) were performed for HAA-15. The screening level ecological risk assessments (SLERA) and baseline ecological risk assessments (BERA) focused on evaluation of constituents identified in surface soil, surface water, sediment and shallow groundwater. Risks were characterized for ecological receptors at the site by considering direct contact with constituents of potential ecological concern (COPEC) in each medium and the potential for food chain exposures to bioaccumulate COPEC. In the SLERA, several constituents, including Benzo(a)pyrene, Bis(2ethylhexyl)phthalate, Fluoranthene, Chromium, Lead and Mercury in surface soil were determined to have hazard quotients greater than 1. Further, there were several constituents that lacked ecological

screening values (ESVs); therefore, they were also identified as COPECs and those were: acetone, acenaphthylene, benz(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,4-cd)pyrene. There were no constituents in surface water with a hazard quotient (HQ) greater than 1 and surface water was not evaluated further in the ERA. Acetone, 2-butanone, dichlorodifluoromethane, and toluene were the only detected constituents in sediment. They were all identified as COPEC due to lack of ESVs. Three constituents, acetone, cis-DCE, and MTBE, were identified as SLERA COPECs in groundwater because they did not have ESVs identified in the SLERA. These constituents were carried forward as COPECs into the BERA.

Lead and mercury were the only two constituents identified as BERA COPECs in surface soil. Potential risk to ecological receptors from exposure to lead in surface soil cannot be ruled out considering the current Site conditions. However, the extent of elevated lead at the site has been evaluated and found to be localized. Adverse ecological impacts associated with mercury via direct contact are not considered likely.

Based on the available data, there is sufficient information to conclude that adverse impacts to aquatic and terrestrial wildlife and plants exposed to constituents in surface soil, surface water, sediment and shallow groundwater are unlikely. The one exception is lead at one location in surface soils. Adverse impacts are possible for ecological receptors potentially exposed to lead impacted surface soil at the site. However, the potential risks calculated for this exposure scenario were based on the conservative assumptions that these receptors would be chronically exposed throughout their lifetime. As additional data and information is gathered, the potential for soil to represent a potential ecological concern will be refined.

This CSR for HAA-15 has presented physical, analytical, and risk assessment data to support the conclusion that the potential impacts to the environment by past activities at the site have been sufficiently characterized in surface soil, subsurface soil, sediment, surface water and groundwater. Based on the data provided herein, the following recommendations are submitted for consideration by the GAEPD:

- The CSR investigation has been completed, and the potential impacts to the environment by past activities at HAA-15 have been fully characterized and delineated where necessary in surface soils, subsurface soils, sediment, surface water and groundwater.
- The vapor intrusion pathway has been evaluated and determined to not present an exposure pathway. The soil and shallow groundwater were conservatively evaluated for the vapor intrusion pathway and the results indicated that the risks were less than or equal to the GAEPD HSRA benchmarks. The exception was residents exposed to vapors from groundwater, which slightly exceeded the

ELCR and HI bench marks. If the average TCE concentration was used in the vapor migration model, the ELCR and HI would be less than and equal to the GAEPD HSRA benchmarks of 1×10^{-5} or 1, respectively Vapor intrusion risks will be reduced during remediation of the soil and groundwater impacts.

§ A Corrective Action Plan (CAP) will be developed to address chlorinated VOC impacts in groundwater and lead impacts in surface soil. A remedy for the chlorinated VOC impacts will be developed that focuses on mitigating the mass in the deep zone that is a continuing source.

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1. Qualified Groundwater Scientist Certification

I certify that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields as demonstrated by state registration, professional certifications, or completion of accredited university courses that enable that individual to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

Name: Curtis Scott Bostian

License Number PE026133

Expiration Date: December 31, 2011

Curtis Scott Bostian

Date

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2. Compliance Status Certification

I certify under penalty of law that this report and all attachments were prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Based on the findings of this report, with respect to the established risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19.07, the Installation acknowledges the identified constituents that exceed the Type 1 – 4 standards.

_____
Robert R. Baumgardt
Director, Public Works

_____
Date

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3. Introduction

The U.S. Army Environmental Command (USAEC) has retained ARCADIS on behalf of HAAF to investigate and remediate impacted soil and groundwater at the MCA Barracks Site, also known as site HAA-15. As previous investigations triggered notification to GAEPD, the HAA-15 site has been assigned HSI Site # 10521. The GAEPD has required HAAF to pursue delineation and clean up of impacted soil and groundwater at HAA-15 in accordance with HSRA.

This CSR incorporates data obtained from recent investigations completed by ARCADIS from November 2009 through May 2010 and July through September 2011 as well as previous investigations conducted from 1999 through 2006. Recent field investigation activities were completed by ARCADIS in accordance with the scope in the Site Investigation Work Plan (ARCADIS 2009) and in response to comments from GAEPD on the Final CSR.

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4. Site Background

4.1 Regulatory Status

In 1996 HAA-15 was defined as an area of concern when a pre-construction environmental site assessment at a proposed new SOF facility, north of Lightning Drive, identified VOCs in groundwater. An additional environmental site assessment completed for an adjacent proposed MCA Barracks Site in 1998 revealed additional VOC-impacted groundwater. The sites were subsequently combined and added to the HSI as site No. 10521. Investigations of soil and groundwater quality at HAA-15 have been completed in compliance with HSRA rules and regulations and included in this CSR.

4.2 Site Description and Setting

4.2.1 Site Description

HAAF is an active military installation located in Savannah, Georgia, encompassing use as industrial, commercial, and temporary residential property occupied by a variety of administrative, maintenance, and barracks facilities (Figure 4-1). The facility also includes an active air field and a 10-acre man-made storm water retention pond. The MCA Barracks Site (HAA-15) is located in the northeastern portion of HAAF. A site map depicting the HAA-15 area with historic sampling locations is included as Figure 4-2. The HAA-15 area with the current monitor well network and the survey data for each monitor well's location and elevation is shown on Figure 4-3.

4.2.2 Facility and Site History

The following summary regarding the development of the HAA-15 area and historical operations conducted in this area is taken from the Flightline Mitigation Report (FMR) Section 2, FMR Section 5 and Hunter Army Airfield: A History. The full copies of the referenced documents are included in Appendix L.

HAAF is the site of the first Savannah Municipal Airport, a graded grass airfield constructed in 1929. Construction of three intersecting asphalt runways located in the middle of the current concrete parking apron, and a new hangar was completed in 1936. The hangar, now Building 1206, is the oldest building remaining at HAAF.

From October 1940 to May 1941, construction was completed on over fifty-five barracks and sixty-seven other buildings just north of the runways, including administration buildings, recreation facilities, crash stations, warehouses, guardhouses, hospital buildings, a Link trainer building, mess halls, officers quarters, and a theater. The Army constructed its aircraft maintenance area just to the north of

the runways, consisting of two hangars and a heat plant facility (Buildings 811, 812, and 813), two bomb sight storage facilities (Buildings 803 and 816), and thirteen 700 Series wood squadron operations buildings (no longer standing). A concrete parking apron extended about two hundred feet to the south of the buildings and connected to the existing runways. The squadron operations buildings were adjacent to the hangars to the west of Building 813 and the east of Building 811, next to the bomb sight storage facilities.

In 1946 control of the airfield reverted back to the Savannah Municipal Airport. Municipal Airport and private airline offices moved back to the Municipal Airport Building. Buildings 811, 813, and 1206 were used as civilian hangars.

In 1950 Hunter AFB became part of the Strategic Air Command's (SAC) Second Air Force. By late 1952, the 2nd Bomb Wing Armaments and Electronics Maintenance Squadron (AEMS) operated primarily from Building 811 while the 308th AEMS was based out of Building 1206.

In 1953, the installation addressed its lack of permanent aircraft maintenance space, beginning construction on a double cantilever hangar (Building 850). For specialized maintenance needs, job orders were called in to wing Maintenance Control, which, for the 2nd Bomb Wing, operated out of Building 811 and for the 308th Bomb Wing, from Building 1290.

The Field Maintenance Squadron (FMS) for both wings operated from the new double cantilever hangars, with the 2nd FMS in Building 850 and the 308th FMS in Building 860. Work on aircraft would occur inside the hangars or on the flightline, unless a mechanical component needed such extensive work that it needed to be removed to a shop. Depending on facility requirements, some shops in the FMS were housed away from the double cantilever hangars. For instance, the 2nd FMS Engine Shop was located in Building 813 and the 308th FMS Engine Shop in Building 1206.

In late 1966 the US Army announced plans to create the Advanced Flight Training Center at Fort Stewart and HAAF. The north edge of the airfield, including the remaining nosedocks, became a maintenance and operations center for AH-1 Cobras, while Buildings 850 and 860 became maintenance buildings for UH-1s. HAAF was formally transitioned from the U.S. Air Force to the U.S. Army in April 1967.

By the mid-1980s the military had sixteen installation and tenant units stationed at HAAF. The aviation units used Buildings 850, 860, and the old SAC nosedocks for maintenance hangars, working on both helicopters and small fixed wing Army

aircraft. Major exterior changes were performed on Building 813 in 1983. In the late 1990s, the Army performed major changes to the exterior of Building 811.

Currently, Hunter Army Airfield has approximately 5,000 soldiers on station. It is home for units of the 3d Infantry Division (Mechanized) headquartered at Fort Stewart. There are also a number of non-divisional units assigned to Hunter.

The major divisional units stationed at Hunter include the 3d Aviation Brigade, and 603d Aviation Support Battalion. Non-divisional units which make up the major tenant units include: the 260th Quartermaster Battalion; the 1st Battalion, 75th Ranger Regiment; 3d Battalion, 160th Special Operations Aviation Regiment (Airborne); and the 224th Military Intelligence Battalion (Aerial Exploitation).

The Coast Guard Air Station Savannah is also located on Hunter Army Airfield. It is the largest helicopter unit in the Coast Guard and provides Savannah and Coastal Georgia with search and rescue coverage.

4.2.3 Potable Wells at the Site

HAAF Well #1 and HAAF Well #2 are both public water supply wells located in the cantonment area of HAAF and are the main water supply system at the HAAF installation (Figure 4-3). HAAF Well #1 and HAAF Well #2 were installed in 1940 and 1942, respectively. HAAF Well #1, located at Building 711 on the corner of Moore Road and Douglass Street, is a 12-inch diameter well with 100-hp turbine pump serving a 100,000-gallon elevated storage tank (Tank 1). Potable well HAAF Well #1 was installed in the upper Floridan Aquifer to a terminal depth of 550 ft bgs with an open interval from 259 to 504 ft bgs. HAAF Well #2, located at Building 1205 on the corner of Neal Street and Strachan Road, is a 12-inch diameter well with a 100-hp turbine pump serving a 200,000-gallon elevated tank (Tank #2). Potable well HAAF Well #2 was installed in the upper Floridan Aquifer to a terminal depth of 600 ft bgs with an open interval from 260 to 555 ft bgs. Water from HAAF Well #2 also supplies a 500,000 gallon elevated storage tank (Tank #3) located on Middleground Road behind noncommissioned officer (NCO) family housing. This tank provides potable water to 694 service connections, which are used by an average of at least 5,000 individuals on a yearly basis (SAIC 2001). VOC sampling performed in July 2011 indicate no constituents of concern (COCs) are present (Appendix M).

4.2.4 Physical Setting of the Airfield

The HAAF is located on a southwest-northeast trending ridge of about 20 feet to 40 feet elevation above mean sea level (msl) and is surrounded on all sides by lower topography of about 10 to 15 feet elevation (Figure 4-4). The documented history of the

facility indicates construction activities began at the installation in 1928. It is likely that the first runways were constructed on the highest part of the ridge at or around the same time to allow for surface water drainage away from the runways.

4.2.5 Regional Geology/Hydrogeology

HAAF is located on the Lower Coastal Plain physiographic province, which is typified by low relief that slopes toward the Atlantic Ocean. The geology is composed of a seaward thickening sequence of unconsolidated sediments deposited from sediments eroded from the Blue Ridge Mountains. Previous regional investigations suggest there have been minor amounts of structural deformation in the Savannah, Georgia area during deposition of these sediments starting in the early Cretaceous Period. The total thickness of the sediments in the Savannah, Georgia, area is over 2,000 feet.

The regional hydrogeology in the vicinity of HAAF consists of two aquifers separated by a thick confining unit. Primary water supply aquifer in the Lower Coastal Plain of Georgia and Florida is the Floridan Aquifer. The Floridan Aquifer is a regionally extensive aquifer that is approximately 800 feet thick in the area of Savannah. It is composed primarily of Oligocene age and Eocene age porous limestones. The uppermost aquifer system is the surficial aquifer at and surrounding Savannah, Georgia and is underlain by two continuous clay units separating this aquifer from the Floridan. These two clay units, separating the aquifers, are part of the Hawthorne Group (Huddleston 1988). Fossils and sediment samples suggest that these units were deposited during the Middle Miocene Period in a low energy open marine environment over a wide area. The open ocean depositional environment resulted in the widespread and continuous nature of these clay units. A deep test well in Savannah (GGS-3139) shows that the clay units extend from approximately 45 feet to 167 feet in depth near HAAF. A cross-section from Huddleston is included in Appendix I. Lithologic descriptions from Well HAAF #11, which was installed in 2009 during a U.S. Geologic Survey (USGS) study at HAAF, indicate the confining unit was encountered from approximately 60 to 285 ft bgs (Appendix O). Due to the thick confining unit that separates the uppermost aquifer system from the underlying Floridan Aquifer, it has been demonstrated that there is minimal potential for shallow groundwater to impact deeper groundwater quality. As previously described, potable wells HAA Well 1 and HAA Well 2 are installed in the upper Floridan Aquifer with open intervals from 259 to 504 ft bgs and from 260 to 555 ft bgs, respectively.

The sediments overlying the Hawthorne Group clays to land surface are composed of a sequence of near-shore to shoreface (barrier island) sediments that prograde over the Hawthorne Group marine clays. Published investigations have identified nine sets of overlapping relict beach ridges of Pleistocene age to Holocene age on the Lower Coastal Plain that prograde towards the Atlantic Ocean. Each barrier sequence forms a

ridge (also termed terrace) that is progressively lower and closer to the modern barrier island. The ancient beaches formed during higher sea levels and are approximately parallel to the modern barrier island complex. Each barrier system is at a consistent elevation above sea level with about 20 feet of relief above surrounding land.

4.2.6 Hunter Army Airfield Depositional Model

HAAF is located on a relict beach ridge named the Pamlico Terrace which has current elevations ranging from about 20 feet above msl to 40 feet above msl. This abandoned beach ridge was formed during the late Pleistocene (>10,000 years) age. The Pamlico Terrace sediments are about 50 feet thick at HAAF. The shallow sediments at HAAF are comparable to sediments that form the nearby modern barrier islands along the Atlantic coast. Pamlico Terrace is older and is at a slightly higher elevation than the modern barrier beach. Common general characteristics of barrier island systems are:

- an exposed belt of sand separated from the mainland by a shallow body of water, such as a lagoon
- greater length than width
- a straight seaward margin with a lobate, crenulate, or cuspate landward margin
- a coarsening-upward sequence of sand with the uppermost portion of which consists of eolian dunes

These generalities of modern barrier islands can be used to predict the shallow stratigraphy at HAAF. Utilizing the general depositional model of barrier island system, an understanding of the shallow sediments at HAAF can be placed into context for the interrelationships of the sand units, silt units and clay units in the uppermost aquifer system observed at HAAF. The highest part of the ridge is the beach composed of fine- to medium-grained well sorted quartz sand. The beach itself is a massive sand with little clay and silt because it was reworked by constant wave action and migration of tidal inlets. This ridge is the location of the current airfields at HAAF and trends northeast to southwest through HAAF and HAA-15. East of the ridge was the shallow open Atlantic Ocean which should consist of finer sands that were constantly reworked to form well sorted sands that are finer when compared to the beach. Grain size should decrease with increasing water depth due to the limited winnowing in deeper water by reduced wave action with depth.

Marshes and bays would have occurred behind the barrier to the west of the airfields. Deposits in this area are generally silts and clays characteristic of lower energy environments with some interbeds of sands. The sand units were deposited from tidal inlets that migrated along the barrier and wash-over fans from storms. Individual units will drape off of the central barrier island sands. Clays interbedded with the sands will

compact with time to form somewhat continuous but thin units, which can be confining in nature.

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5. Investigations Conducted at HAA-15

5.1 Special Operations Forces Facility: 1996 Pre-construction Investigation

VOCs in groundwater were discovered in 1996 when the USACE collected soil and groundwater samples at a proposed new SOF facility, located north of Lightning Drive and west of Billy Mitchell Boulevard. Samples were collected from temporary wells as part of the construction clearance process. The sampling results indicated that TCE and PCE were present in groundwater at concentrations exceeding their respective primary drinking water standards. Cis-DCE was also detected in two groundwater samples.

5.2 MCA Barracks Facility: 1998 Pre-construction Investigation and Delineation

The MCA Barracks Site was identified as an area of concern in 1998 during an environmental assessment prior to the construction of new barracks. The investigation was conducted by the USACE-Savannah District and consisted of 6 composite soil samples and 12 groundwater samples. The groundwater samples were collected from temporary wells at a screened depth of 9.8 to 13.1 feet bgs. The results of the groundwater sampling indicated the presence of TCE at three locations, naphthalene at one location, and acetone at another location. Only TCE was detected at concentrations exceeding the U.S. Environmental Protection Agency (USEPA) Primary Maximum Contaminant Level (MCL) of 5.0 micrograms per liter (µg/L).

USACE conducted an additional site investigation in May 1998 to further investigate the groundwater impacts. Groundwater samples were collected from temporary wells screened across the water table. TCE was detected at five locations above the USEPA MCL concentration of 5.0 µg/L at concentrations ranging from 5.9 µg/L to 160 µg/L. Cis-DCE was detected at low levels in two groundwater samples.

5.3 SOF Facility: 1999 Well Installation and Confirmation Sampling

In September 1999, four shallow monitor wells (less than 20 feet bgs) were installed at the SOF facility. The wells were installed at locations based on data from the temporary points sampled in 1996. Groundwater samples were collected from the 4 monitor wells for the analysis of VOCs, SVOCs and metals. The sampling results confirmed the presence of organic contaminants that had been detected in 1996, including TCE, cis-DCE, PCE, 1,2-dichloroethane, 1,3-dichloroethene, bis (2-ethylhexyl) phthalate, and chloroform. TCE and bis (2-ethylhexyl) phthalate were the only constituents detected above the GAEPD target concentration values.

5.4 MCA Barracks: 1999, 2000, and 2001 Delineation Investigations

Sampling of groundwater was conducted by Science Applications International Corporation (SAIC) between 1999 and 2001 (SAIC 2004). The vertical VOC profiling of groundwater was conducted at 26 locations (XX-01 through XX-26) by collecting samples using DPT. The boring locations are shown on Figure 4-2. Vertical profile borings XX-01 through XX-15 were sampled every 5 feet from the water table to a depth of 45 to 50 feet bgs for laboratory analysis. Borings XX-16 through XX-26 were sampled at 5-foot intervals from the water table to a total depth of 36 to 45 feet bgs, but only selected samples were submitted for laboratory analysis. Approximately three at each location were selected based on soil conductivity results. Table 5-1 provides a summary of groundwater analytical results from 1999 through 2001. Several VOCs were detected in groundwater samples with TCE exceeding the GAEPD HSRA groundwater target concentration in numerous samples. In addition to TCE, cis-DCE was also detected at levels that exceeded the groundwater target concentration. Permanent monitor wells were subsequently installed at boring locations XX-04 through XX-26 and well locations are shown on Figure 4-3.

5.5 MCA Barracks: 2002 and 2003 Delineation Investigations

In 2002 and 2003, the USACE conducted additional groundwater sampling for delineation of chlorinated solvent impacts. These investigations included USACE installation of 13 vertical-profile borings (MVP-1 through MVP-5 and MCA-VP-1 through MCA-VP-8 (Figure 4-2)). Groundwater was sampled every five feet to a total depth of approximately 45 feet for analysis of VOCs. Approximately eight (8) samples were collected from each boring. Table 5-2a provides groundwater analytical data for borings MVP-1 through MVP-5, which were sampled in 2002. Table 5-2b provides groundwater analytical data for borings MCA-VP-1 through MCA-VP-8, which were sampled in 2003. VOCs were detected in eight of the thirteen borings in samples collected between 10 feet bgs and 45 feet bgs. TCE and cis-DCE were the most frequently detected VOCs. Only TCE and VC exceeded their respective GAEPD groundwater target concentrations (SAIC 2004).

5.6 MCA Barracks: 2005 and 2006 Site Investigations

Between October 2005 and April 2006, HGL performed a site investigation in accordance with the Final Site Investigation Work Plan for the MCA Barracks Site (HGL 2005). Assessment activities included DPT soil sampling, groundwater sampling, and monitor well installation and sampling. The following descriptions are based on information included in the draft CSR generated by HGL (HGL 2007).

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Background Concentrations

Background metals concentrations in soil were obtained from the "Revised Final Compliance Status Report for Former Fire Training Area" (Law, 2002). The Former Fire Training Area is located proximate to the MCA Barracks Site. A description of the procedures used to determine background metals concentrations in soils has been included as Appendix K. Background values, in milligram per kilogram (mg/kg), are listed below:

- Arsenic: 2.6
- Barium: 28
- Cadmium: 2.6
- Chromium: 7.7
- Lead: 53
- Mercury: 0.39
- Selenium: 1.9
- Silver: 2.6

Soil Investigation

During the site investigation performed by HGL, soil samples were collected from 18 locations in potential source areas (Figure 4-2). Soil analytical data from 2005 - 2006 are included in Table 5-3a. Soil samples were collected using DPT or a hand auger.

For investigation of VOC impacts, soil samples were submitted from the depth intervals determined most likely to be impacted as determined by performing field screening with a photo-ionization detector (PID) followed by analysis using Draeger tubes if VOCs were detected with the PID. Samples were also visually examined for indications of non-native or impacted soil condition. If there were no indicators of soil contamination, the interval directly above the water table was sampled for analysis.

As specified in the HGL Site Investigation Workplan (HGL, 2005c), the following laboratory analyses were performed at each area based on the area's historic use:

- Aircraft hangars: VOCs, SVOCs, RCRA metals;
- Aircraft Wash Rack: VOCs;
- IWTP: VOCs;
- Old Hospital Area including two Potential Disposal Areas: SVOCs and RCRA metals;
- Georgia Air Guard Motor Pool: VOCs, RCRA metals; and
- Motor Repair Shop: VOCs, SVOCs, RCRA metals, reactivity, sulfate and pH.

Where impacts were indicated by laboratory analytical concentrations, additional soil samples were collected from borings completed proximate to the original soil

sampling location. The distance of the offset was no less than 25 feet from the previous sample location.

Groundwater Investigation

Groundwater samples were collected from 78 vertical profile borings and from 30 permanent monitor wells (Figure 4-3). Groundwater analytical data for vertical profile points are provided in Tables 5-3b. Groundwater samples were collected with DPT by collecting samples from a slotted probe rod advanced to the target sampling depth. Most of the groundwater samples were collected from three depth ranges (10 to 15 ft bgs, 25 to 30 ft bgs and 40 to 45 ft bgs) at locations in and around the VOC impacts. A groundwater sample also was collected at 78 feet bgs from boring MCA-GW054, located approximately 200 feet east of monitoring well HGL-7B/C. Boring MCA-GW054 was advanced to this depth to provide vertical contaminant delineation (HGL 2005). A total of 61 groundwater samples were collected from 21 borings during the investigation. Groundwater samples were submitted for laboratory analysis of VOCs, the primary contaminants of concern.

The locations for new monitoring wells were selected based on the groundwater sampling results from the DPT investigation. Twenty-two groundwater monitoring wells, including shallow wells HGL-1B through HGL-11B and deep wells HGL-1C through HGL-11C, were installed at the site. Shallow wells were constructed with a screen interval of approximately 15 to 25 ft bgs. Deep wells were constructed with a screen interval of approximately 30 to 40 ft bgs. Seven boring locations were logged for lithologic profiling.

Low-flow groundwater sampling procedures were used to collect groundwater samples from existing monitoring wells XX-15, XX-17, XX-18, XX-19, XX-21, XX-22, XX-24 and XX-25 and monitoring wells HGL-1B/C through 11B/C (Figure 4-3). Groundwater analytical results from monitor well samples are provided in Table 5-3c.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected from six locations at Pond 29. Pond 29 is located in the western portion of the MCA Barracks Site (Figure 4-2). Analytical results from surface water and sediment samples are provided in Tables 5-3d and 5-3e respectively. Grab samples were collected at each location as close to the water/sediment interface as possible without allowing bottom sediment to enter the sampling chamber. Sediment samples were collected near the surface water sample locations after the surface water samples were collected. Procedures described in USACE EM200-1-3, *Requirements for the Preparation of Sampling and Analysis Plans*, 2001 and USEPA, Region 4, *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, November, 2001 were followed during the collection of surface water and sediment samples (HGL 2007).

Conductivity Testing

Monitoring well pairs at six locations were tested for hydraulic properties by HGL from March 29 through March 31, 2006. The six nested well pairs (12 wells) were screened at intervals of approximately 15 to 25 feet below grade and approximately 30 to 40 feet below grade. Slug tests were performed to determine the hydraulic conductivity values. Two rising head and two falling head slug tests were conducted at each well. The slug tests were conducted using test procedures outlined by Butler (1998). Testing data and velocity calculations are included in Appendix A.

5.7 ARCADIS Investigation Activities November 2009 through September 2011

Between December 2009 and September 2011, ARCADIS completed several investigation activities to delineate the source(s) and extent of impacts in groundwater at HAA-15. The primary focus was investigation of the source(s) of TCE impacts in groundwater at HAA-15. Additional investigation was also conducted to delineate the extent of groundwater impacts and develop a more comprehensive understanding of site characteristics. All procedures and techniques utilized for this investigation conformed to USEPA Region 4 Science and Ecosystem Support Division (SESD) guidance and the Sampling and Analysis Plan for this site (Appendix J). All soil and groundwater samples collected were analyzed by Shealy Environmental Services, Inc., a certified Georgia Laboratory.

A timeline for the ARCADIS activities is presented below:

November-December 2009:

- Installation of vertical soil profiles using MIP technology; and
- Temporary soil boring installation and subsurface soil sampling based on MIP results

January 2010:

- Installation of one shallow/deep monitoring well pair and an additional shallow monitor well using an auger rig; and
- Well development of newly-installed wells

February 2010:

- Collection of water–level measurements from monitor wells associated with HAA-15; and
- Sampling of new and selected existing groundwater monitor wells

March-April 2010:

- Installation of 3 additional deep monitoring wells and 2 additional shallow monitoring wells based on groundwater sampling results from February 2010; and
- Development and sampling of new and selected existing groundwater monitor wells

May 2010:

- Installation of 3 additional deep monitoring wells and 1 additional shallow monitoring well based on groundwater sampling results from March and April 2010; and
- Development and sampling of new groundwater monitoring wells

July 2011

- Temporary soil boring installation at future vertical delineation well installation locations
- Installation of four shallow monitoring wells for horizontal delineation; and

August 2011

- Installation of two shallow monitoring wells and eight deep monitoring wells for horizontal delineation
- Installation of three deep double-cased monitoring wells for vertical delineation
- Collection of subsurface soil samples associated with double-cased vertical delineation monitoring well locations; and
- Development and sampling of new groundwater monitoring wells

September 2011

- Development and sampling of new groundwater monitoring wells; and
- Collection of water level measurements from selected monitoring wells associated with HAA-15

Detailed descriptions of the ARCADIS field activities summarized above are discussed in the following sections.

5.7.1 Water-level measurements

A complete set of water-level measurements was collected in February 2010 and September 2011. Water level measurements were collected from all deep and most shallow wells in the HAA-15 monitoring well network. The water-level measurements

were taken to provide a comprehensive view of relative groundwater flow directions in both the shallow and deep zones of the upper aquifer. Monitor well locations are shown on Figure 4-3. Groundwater elevation data are included in Table 5-4. A comparison of water levels in monitor well pairs consisting of wells screened in the shallow and deep zones is presented in Table 5-5.

5.7.2 MIP Technology Investigation

In November 2009, as part of the ARCADIS investigation activities, 27 MIP borings were installed within the areas potentially impacted with chlorinated volatile organic compounds (CVOCs) in groundwater. All of the MIP borings except 4 were installed in areas north of Hangars T-811 and T-813 along Lightning Drive and in areas further north along Zettell Street and Hickam Boulevard. Four of the MIP borings, MIP-22 through MIP-25, were installed in the vicinity of the former IWTP and the wash racks to the northeast of Building 850 where results from vertical profile sampling point MVP-3 had indicated the presence of TCE. The MIP locations north of the hangars were installed parallel to the described roads, which are roughly perpendicular to the direction of groundwater flow. Point locations were adjusted based on facility requirements, access and utility locations. The MIP borings were advanced to the top of the confining clay layer (found in this area between 40 and 50 feet bgs). The MIP locations are presented on Figure 5-1 with a summary of results presented on Figures 5-1a, b, c and d.

MIP technology is an in-situ tool installed with DPT. The MIP unit heats the soil and groundwater adjacent to the probe thereby increasing volatility and causing the vapor phase to diffuse across the membrane into an inert gas loop. The gas carries the vapors to a series of detectors housed at the surface. Continuous (2-foot increment) chemical profile logs are generated from each boring starting from approximately 5 feet bgs to the underlying silty-clay confining layer, which was encountered between 40 and 50 feet bgs. The detectors at the surface include a PID, a flame-ionization detector (FID), and an electron capture detector (ECD). The intent of the MIP investigation was to determine VOC concentrations at mg/L concentrations indicative of source mass. The MIP is not effective for detecting lower VOC concentrations (µg/L) and was not utilized to investigate the extent of impacts. The MIP data was used to locate boring locations for soil sampling and subsequently permanent well locations from which groundwater samples were collected for laboratory analysis of VOCs. The MIP unit also includes a tool to measure electrical conductivity continuously during advancement, which can be utilized to locate clay beds within the silty sand and massive sand units. Electrical conductivities were compared to well logs of nearby wells to verify variations in geology. The data from MIP points installed

initially was used to adjust locations of subsequent MIP points. MIP data logs are provided in Appendix B.

5.7.3 Soil Sampling

5.7.3.1 2009 Soil Sampling

During December 2009, the data from the MIP evaluation was used to determine locations for collection of soil samples for delineation of the source area(s). DPT technology was utilized to sample soil via temporary borings. Eleven temporary borings (H15-SB-01, H15-SB-03, H15-SB-03A, H15-SB-03C, H15-SB-12, H15-SB-12A, H15-SB-20, H15-SB-21, H15-SB-25, H15-SB-47 and H15-SEP-01) were installed to the base of the deep zone of the upper surficial aquifer at approximately 40 to 50 feet bgs. All temporary borings were continuously cored and a description of sediments was recorded by an on-site geologist. All soil samples were screened with a PID. Boring logs are included in Appendix C. DPT services were provided by ARM Environmental Services, Inc, a Georgia-certified drilling firm. Soil samples chosen for off-site laboratory analysis were selected based on intervals identified as having elevated ECD readings during MIP testing and on PID screening results. Soil samples were submitted for laboratory analysis by USEPA Method 8260B. A total of 31 samples were submitted from the 11 soil boring locations. Boring locations are shown on Figure 5-1. All samples were analyzed by Shealy Environmental Services, Inc., a certified Georgia laboratory. Soil analytical results for VOCs are presented in Table 5-6.

In addition to the temporary borings installed to sample VOC impacts, 3 borings were installed in the Old Hospital Area to collect samples for further delineation of lead. The samples were designated in the field as H15-PB-1 through H15-PB-3. Lead was detected in a 2006 surface soil sample from the area at a concentration of 5,300 mg/kg (soil sample collected in 2006 by HGL; sample ID# MCA-SO018C2). The additional soil samples were analyzed off-site for lead by USEPA Method 6010B by Shealy Environmental Services. The soil boring locations are also presented on Figure 5-1. Soil analytical results for lead are presented in Table 5-6.

During DPT sampling, additional soil samples were taken for analysis of grain size for use during remediation design. The results are included in Appendix D.

The soil waste from the installation of the soil borings was collected in U.S. Department of Transportation (DOT)-approved 55-gallon drums and staged in a centralized location. The investigation-derived waste (IDW) soil and groundwater drums were sampled for characterization and disposal purposes.

The MIPs and soil borings were located in the field using global position system technology. Upon completion, all temporary borings were grouted with cement from

total depth to approximately six inches from land surface. The boring locations were restored at the surface with concrete, asphalt or topsoil consistent with the surrounding material.

5.7.3.2 2011 Soil Sampling

In July 2011, four additional soil borings were installed in preparation for the installation additional horizontal and vertical delineation groundwater monitoring wells. One boring was installed near existing well cluster H15-MW-02B/C to characterize lithology for a vertical delineation monitoring well. This boring was advanced until a sandy clay unit with no dilatancy was encountered at 73 feet bgs. The boring was terminated at 74 feet bgs. One boring was installed near the planned location of new monitoring well cluster H15-MW-14B/C to characterize lithology in the vicinity of the new wells. One boring was installed near the planned location of new monitoring well cluster H15-MW-15B/C to characterize lithology in the vicinity of the new wells. Soil borings installed at the H15-MW-14B/C and H15-MW-15B/C locations were terminated at the expected total monitoring well installation depth of 45 feet bgs. One boring was installed near the planned location of new monitoring well H15-MW-20E to characterize lithology in the vicinity of the new wells. DPT refusal was encountered at 86 feet bgs at the H15-MW-20E boring location. Locations of the new monitoring wells and associated soil borings are shown on Figure 4-3.

ARCADIS coordinated with Parratt Wolff, an environmental drilling firm, to install the temporary soil borings. At each boring location a continuous soil core was recovered using a DPT machine and dual-tube DPT tooling. An outer DPT casing was advanced in conjunction with inner DPT rods and an acetate soil core liner. Recovered soil cores were logged and photo-documented by an ARCADIS geologist and screened with a calibrated PID meter.

At the completion of each boring the borehole was abandoned with Portland cement grout through the outer DPT casing. Grout was emplaced using a tremie pipe from the bottom of the borehole to ground surface.

The soil waste from the installation of the soil borings was collected in U.S. Department of Transportation (DOT)-approved 55-gallon drums and staged in a centralized location. The investigation-derived waste (IDW) soil and groundwater drums were sampled for characterization and off-site disposal purposes.

5.7.4 Groundwater Monitor Wells

5.7.4.1 2010 Monitor Well Installation

Based on MIP response data, soil sampling data, historic groundwater and soil data, and monitor well sampling data, ARCADIS selected locations for installation of additional monitor wells. Wells installed in the shallow zone of the upper aquifer, designated with 'B', were screened from 15 to 25 feet bgs, while those installed in the deep zone, designated with 'C', were screened from 35 to 45 feet bgs. In each case, the bottoms of the well screens represented the total depth of the wells.

ARCADIS installed 3 monitoring wells to aid in the investigation of the TCE groundwater plume in January 2010. Two of the three wells (H15-MW-01B/C) were installed as a well pair northeast of the wash racks area at Building 850. The third well, H15-MW-02B, was installed directly north of Hangar T-811 at the location of soil boring H15-SB-03A.

Following receipt of laboratory analytical results for groundwater samples collected in February 2010, additional monitoring wells were installed. Deep monitor well H15-MW-02C was installed adjacent to H15-MW-02B to delineate the deep impacts previously identified north of the T-811 Hangar building. Monitor wells H15-MW-03B/C and H15-MW-04C were installed in March to the south and north of H15-MW-01C, respectively, to delineate the extent of TCE in this area. One additional shallow well, H15-MW-05B, was installed in April 2010. Shallow monitor well H15-MW-05B was installed approximately 500 feet north of HGL-8B/C to delineate shallow groundwater impacts to the northwest. Well installation services for the installation of monitor wells H15-MW-02C and H15-MW-05B were provided by the USACE. Services for the remaining additional wells (H15-MW-03B/C and H15-MW-04C) installed during this mobilization were provided by GeoLab, Inc, a Georgia-certified drilling firm. The monitor wells described above were surveyed for location and elevation by Bateman Civil Survey, a land surveyor registered in the state of Georgia.

Following sampling of the wells installed in March and April 2010, it was determined that additional delineation of the groundwater impacts was warranted. Therefore, four wells were installed in May 2010. One well pair (H15-MW-07B/C) was installed near the northeast corner of Building 860, south of the recently installed well pair H15-MW-03B/C. One additional deep well was installed at the H15-MW-05B location, to make this a well pair. Finally, an additional deep well (H15-MW-06C) was installed immediately south of Duncan Drive, between Buildings 400 and 401 to further delineate the horizontal extent to the northeast. The final well installation activities were performed by ARM Environmental Services under the supervision of an ARCADIS

geologist. The additional monitor wells were surveyed by EMC Engineering Services, Inc, a land surveyor registered in the state of Georgia.

All wells were constructed of 2-inch-diameter Schedule 40 PVC with a 10-foot screen. Well screens consist of a 2-inch inside diameter, flush threaded, 0.010-in. slotted Schedule 40 PVC. Clean, inert, siliceous No. 2 sand material was used to construct a uniform and continuous filter pack up to one to two feet above the top of the screen. A one to two foot thick layer of bentonite pellets was placed above the sand pack and hydrated to provide a proper seal. A bentonite / Portland cement slurry seal was then pumped into the annular space between the well and the outside of the borehole using a 1-inch diameter PVC tremie pipe up to a depth of approximately one foot bgs. Monitor wells were completed at ground surface with flushmount protective vaults. The surface completions were flush with the ground surface because the wells were located around buildings or in populated areas. Well construction and boring logs are included as Appendix E. Monitor well locations are presented on Figure 4-3.

Following completion of the well installation, the monitor wells were developed using a single speed whaler pump, set at the base of the wells and surged to ensure the removal of fine-grained materials from within the wells.

IDW from monitor well installation was contained within DOT-approved 55-gallon drums and sampled for characterization and disposal purposes.

5.7.4.2 2011 Monitor Well Installation

Based on comments from GAEPD, additional horizontal and vertical delineation monitor wells were installed in 2011. A total of 17 wells were installed in July and August 2011. One well (H15-MW-08C) was installed near the north side of Building 400. One well (H15-MW-09C) was installed in the former Pond 29 area northwest of the Douglas Boulevard/Lightning Drive intersection. One well (H15-MW-10C) was installed near the southeast corner of Building 305. One well (H15-MW-11C) was installed near the southwest corner of Building 404. One well (H15-MW-12C) was installed near the southwest corner of Building 125. One well (H15-MW-13C) was installed south of Building 150. One well pair (H15-MW-14B/C) was installed near the northwest corner of Hangar 850. One well pair (H15-MW-15B/C) was installed north of Building 1130. One well (H15-MW-16B) was installed north of Building 865. One well (H15-MW-17B) was installed southeast of the former Pond 29 area northwest of the Douglas Boulevard/Lightning Drive intersection. One well (H15-MW-18B) was installed near the southwest corner of Building 400. One well (H15-MW-19B) was installed west of Building 315. The wells were installed using hollow stem auger drill rigs by GeoLab and Parratt Wolff, environmental drilling firms, under the supervision of an ARCADIS

geologist. The monitor wells were surveyed by EMC Engineering Services, Inc, a land surveyor registered in the state of Georgia.

Wells were constructed of one-inch (H15-MW-16B, H15-MW-17B, H15-MW-18B, and H15-MW-19B) or two-inch-diameter Schedule 40 PVC with a 10-foot screen. Well screens consist of flush threaded, 0.010-in. slotted Schedule 40 PVC. Clean, inert, siliceous No. 1 sand material was used to construct a uniform and continuous filter pack up to two feet above the top of the screen. A two foot thick layer of bentonite pellets was placed above the sand pack and hydrated to provide a proper seal. A Portland cement seal was then pumped into the annular space between the well and the outside of the borehole using a PVC tremie pipe up to a depth of approximately one foot bgs. Monitor wells were completed at ground surface with flushmount protective vaults. The surface completions were flush with the ground surface because the wells were located around buildings or in populated areas. Well construction and boring logs are included as Appendix D. Monitor well locations are presented on Figure 4-3.

Following completion of the well installation, the monitor wells were developed using a Waterra development pump equipped with a surge block.

Additionally, three double-cased vertical delineation monitoring wells were installed. Wells H15-MW-02D and H15-MW-02E were installed near the existing H15-MW-02B/C well pair. Well H15-MW-20E was installed in the vicinity of the existing HGL-7B/C well pair. Lithology was collected at each vertical delineation well location prior to installing each well. At the H15-MW-02B/C/D/E location, a DPT soil boring was advanced until a sandy clay unit with no dilatancy was encountered at approximately 73 feet bgs. Lithology was logged by an ARCADIS geologist and soils were screened with a calibrated PID meter. Lithologic logs are presented in Appendix C.

DPT vertical aquifer profile groundwater samples were collected at the H15-MW-02B/C/D/E location from temporary screened intervals of approximately 54 to 58 ft bgs and 64 to 68 ft bgs. The groundwater samples were sent to Shealy Environmental Services, Inc. in West Columbia, South Carolina for analysis of VOCs in accordance with USEPA Method 8260B. Laboratory analytical reports are included in Appendix G. The vertical aquifer profile analytical results indicated that VOC impacts were present in the approximately 54 to 58 ft bgs and 64 to 68 ft bgs depth intervals. The H15-MW-02D screened interval was selected to monitor the deep aquifer immediately above the clayey unit identified at approximately 73 ft bgs.

Well H15-MW-02D was constructed with a four-inch-diameter Schedule 40 PVC outer casing that extended from the ground surface to 64 ft bgs. The outer casing was grouted in place with Portland cement. The grout was allowed to cure before

proceeding with additional drilling to seal deeper zones from impacted shallower zones. An inner borehole was then advanced to a total depth of 73 ft bgs and the well was completed with a two-inch diameter Schedule 40 PVC inner casing and a five-foot screen. The well screen consisted of a 2-inch inside diameter, flush threaded, 0.010-in. slotted Schedule 40 PVC. Clean, inert, siliceous No. 1 sand material was used to construct a uniform and continuous filter pack up to two feet above the top of the screen. A two foot thick layer of bentonite pellets was placed above the sand pack and hydrated to provide a proper seal. A Portland cement seal was then pumped into the annular space between the well and the outer casing using a 1-inch diameter PVC tremie pipe up to a depth of approximately one foot bgs. The well was completed at ground surface with a flushmount protective vault.

Subsurface soil samples were collected at the H15-MW-02E location in an effort to identify water-bearing zones below the clayey unit identified during the July 2011 DPT effort. The soil samples were collected using a mud rotary drill rig and split spoon sampler at five-foot intervals from approximately 72 ft bgs to the total well depth of 125 ft bgs. Soil samples were logged by an ARCADIS geologist and screened with a calibrated PID meter. Soil samples from each depth interval were sent to Shealy Environmental Services, Inc. in West Columbia, South Carolina for analysis of VOCs in accordance with USEPA Method 8260B. Laboratory analytical reports are included in Appendix G. Remaining soils were retained and sent to Ardaman and Associates, Inc, an engineering consulting firm, for geotechnical grain size analysis. Grain size analysis results are included in Appendix E. No water-bearing zone was identified between the H15-MW-02D total depth of 73 ft bgs and 116 ft bgs. The boring was terminated and four-inch-diameter Schedule 40 PVC outer casing that extended from the ground surface to 116 feet bgs was installed. The outer casing was grouted in place with Portland cement. The grout was allowed to cure before proceeding with additional drilling to seal deeper zones from impacted shallower zones. An inner borehole was then advanced to a total depth of 125 ft bgs and the well was completed with a two-inch diameter Schedule 40 PVC inner casing and a five-foot screen. The well screen consisted of a 2-inch inside diameter, flush threaded, 0.010-in. slotted Schedule 40 PVC. Clean, inert, siliceous No. 1 sand material was used to construct a uniform and continuous filter pack up to two feet above the top of the screen. A two foot thick layer of bentonite pellets was placed above the sand pack and hydrated to provide a proper seal. A Portland cement seal was then pumped into the annular space between the well and the outer casing using a 1-inch diameter PVC tremie pipe up to a depth of approximately 1 ft bgs. The well was completed at ground surface with a flushmount protective vault.

DPT vertical aquifer profile groundwater samples were attempted at the H15-MW-20E location from temporary screened intervals between 50 and 65 ft bgs. DPT groundwater samples were not recovered from these locations due to clayey material obstructing the DPT screen sampler.

Subsurface soil samples were collected at the H15-MW-20E location in an effort to identify water-bearing zones below the clayey unit and characterize PID detections identified during the July 2011 DPT effort. The soil samples were collected using a mud rotary drill rig and split spoon sampler at five-foot intervals from approximately 46 ft bgs to the total outer casing depth of 116 ft bgs. Soil samples were logged by an ARCADIS geologist and screened with a calibrated PID meter. Soil samples from each depth interval were sent to Shealy Environmental Services, Inc. in West Columbia, South Carolina for analysis of VOCs in accordance with USEPA Method 8260B. Laboratory analytical reports are included in Appendix G. Remaining soils were retained and sent to Ardaman and Associates, Inc, an engineering consulting firm, for geotechnical grain size analysis. Grain size analysis results are included in Appendix E.

No water-bearing zone was identified between 65 ft bgs and 116 ft bgs. The boring was terminated and four-inch-diameter Schedule 40 PVC outer casing that extended from the ground surface to 116 ft bgs was installed. The outer casing was grouted in place with Portland cement. The grout was allowed to cure before proceeding with additional drilling to seal deeper zones from impacted shallower zones. An inner borehole was then advanced to a total depth of 125 ft bgs and the well was completed with a two-inch diameter Schedule 40 PVC inner casing and a five-foot screen. The well screen consisted of a 2-inch inside diameter, flush threaded, 0.010-in. slotted Schedule 40 PVC. Clean, inert, siliceous No. 1 sand material was used to construct a uniform and continuous filter pack up to two feet above the top of the screen. A two foot thick layer of bentonite pellets was placed above the sand pack and hydrated to provide a proper seal. A Portland cement seal was then pumped into the annular space between the well and the outer casing using a 1-inch diameter PVC tremie pipe up to a depth of approximately one foot bgs. Following completion of the well installation, the monitor wells were developed using a Waterra development pump equipped with a surge block.

The well was completed at ground surface with a flushmount protective vault. The surface completions were flush with the ground surface because the wells were located around buildings or in populated areas. Well construction and boring logs are included as Appendix E. Monitor well locations are presented on Figure 4-3. IDW from monitor well installation was contained within DOT-approved 55-gallon drums and sampled for characterization and disposal purposes.

5.7.5 Sampling of New and Existing Monitor Wells

In February 2010, 30 monitor wells consisting of recently installed and existing wells were sampled. Following installation of the five additional monitor wells between March and April 2010, four of the newly installed wells as well as an additional existing well were sampled. Newly installed monitoring well H15-MW-05B was determined to be filled with grout, likely due to a cracked well casing. The well was replaced, but not developed prior to the April sampling activities. A nearby well, XX-13, was sampled instead.

Following the receipt of laboratory analyses for the groundwater sampling event in April 2010, the additional four (4) monitor wells were installed and sampled in May 2010. After development, monitor well H15-MW-05B was sampled in June. Analytical results for sampling of shallow and deep monitor wells are included in Tables 5-7 and 5-8 respectively.

Low-flow techniques were used to collect groundwater samples from the new and existing monitor wells. During well purging activities, field measurements collected included pH, specific conductance, temperature, oxidation-reduction potential (ORP), dissolved oxygen (DO) and turbidity. Field sampling data sheets are included in Appendix F. The groundwater samples were sent to Shealy Environmental Services, Inc. in West Columbia, South Carolina for analysis of VOCs in accordance with USEPA Method 8260B. All laboratory analytical reports are included in Appendix G. Purge water from the sampling event was containerized in a designated 55-gallon drum and stored on-site.

In August and September 2011, recently installed monitoring wells were sampled. Except for deep delineation monitoring wells H15-MW-02E and H15-MW-20E, low-flow techniques were used to collect groundwater samples from the new and existing monitor wells. Due to slow recharge and static depth-to-water levels that approach the maximum depth of peristaltic pumps, deep delineation monitoring wells H15-MW-02E and H15-MW-20E were purged and sampled using Teflon bailers. During well purging activities, field measurements collected included pH, specific conductance, temperature, oxidation-reduction potential (ORP), dissolved oxygen (DO) and turbidity. Field sampling data sheets are included in Appendix F. The groundwater samples were sent to Shealy Environmental Services, Inc. in West Columbia, South Carolina for analysis of VOCs in accordance with USEPA Method 8260B. Laboratory analytical reports are included in Appendix G. Purge water from the sampling event was containerized in a designated 55-gallon drum and characterized for off-site disposal.

5.7.6 Surface Water Assessment

Surface water drainage patterns from the area around Hangars T-811 and T-813 were evaluated. The topography across the area is presented on Figure 4-4. The stormwater drainage system is presented in Figure 5-2. Available historic documentation was reviewed to evaluate the potential for impacts from historic operations at the site.

5.7.7 Vapor Intrusion - Indoor Air Pathway

Following source delineation, ARCADIS analyzed historic and current soil and groundwater data to determine if the indoor air pathway was complete and would need to be evaluated further.

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6. Investigation Results

6.1 Visual Inspection

During a visual inspection of Hangars T-811 and T-813 in 2006 by HGL, USACE, and base personnel, Building 811 contained a former degreasing room located in the northeast corner of the building. Equipment used during the degreasing procedure remained in place including the fume hood and a sink that may have been a replacement for the original sink. A 4-inch floor drain was present near the sink and appeared to lead to an outside oil-water separator or grease trap. The degreasing room drain was the only potential contaminant pathway that was found in Hangar T-811. Inspection of Hangar T-813 revealed no obvious or apparent potential contaminant pathways (HGL 2007).

During pre-investigation inspections by ARCADIS in 2009, it was noted that the equipment previously used during the degreasing procedure (fume hood, sink, four inch floor drain) had been removed. As previously noted, the grease trap outside the building had also been disconnected, cleaned and partially removed.

6.2 Site Geology/Hydrogeology

6.2.1 Geologic conditions

As part of the investigation activities, ARCADIS compiled soil boring installation logs from historic and recent soil borings and monitoring wells installed on the HAA-15 site. Figures 6-1a and 6-1b are cross-sections compiled from both historic and current soil boring/monitoring well locations. Figure 6-1a (A-A') traverses the southern portion of the site and runs from monitor well pair HGL-9B/C to monitor well pair HGL-5B/C. Figure 6-1b (B-B') runs north to south generally through the center of the major lobe of the TCE-impacted groundwater plume. In addition, soil collected during the vertical delineation efforts completed by ARCADIS was submitted for sieve analysis (Appendix E). Results of the sieve analysis show a substantial proportion of fines below 50 ft bgs. The proportion of fines increases with depth as the Hawthorne confining unit is encountered (Appendix E, Section E-2, Table 1). Overall, both cross-sections, which include existing and newly-installed boring locations, provide further evidence of a depositional environment of a lagoon and/or marsh behind a barrier island up to a beach with the regional confining unit at the base of the upper aquifer representative of marine sediments.

6.2.2 Hydrogeologic conditions

Monitoring well gauging data was used to establish groundwater elevations and flow directions in the shallow and deep portions of the upper aquifer. Based on data from

the HGL investigation, shallow groundwater flow in October 2005 was to the north and deep groundwater flow in October 2005 was to the north-northwest. Both shallow and deep groundwater flow in April 2006 were generally to the north-northwest.

ARCADIS collected additional water level data and stratigraphic data to supplement the data gathered during previous investigations. During the February 2010 and September 2011 groundwater sampling events, a complete round of water levels was collected to confirm groundwater flow directions. Consistent with the water level data compiled as part of HGL's HAA-15 investigation, upper aquifer groundwater in the source area proximate to Building T-811 (former Hangar 811) flows towards the north-northwest away from the runway complex. Shallow upper aquifer groundwater flow is shown on Figure 6-2a. The average shallow zone gradient was calculated to be 0.0085 feet per foot. Deep zone upper aquifer groundwater flow in the same area as indicated on Figure 6-2b is also generally to the north-northwest at an average gradient calculated to be 0.012. However, in the southeastern portion of the site proximate to Buildings 865 and 850, both shallow and deep upper aquifer groundwater flow is to the northeast.

Slug tests conducted during the 2005-2006 investigations resulted in calculated hydraulic conductivities at HAA-15 varying from 0.76 feet/day to 17 feet/day (HGL 2007). Widely varying hydraulic conductivities in sediments are typical in back barrier sequences and represent the variation from low energy marsh deposits of clays and silts to high energy tidal channel deposits of well sorted sands.

The observed depth to groundwater in the upper aquifer in February 2010 ranged from 2 feet to 10 feet across the site. In September 2011, the groundwater levels had decreased by approximately 2 feet and the depth to groundwater in the upper aquifer ranged from 3 to 13 feet.

The 10-acre man-made pond and canals at the site appear to be discharge boundaries for the shallow groundwater. It appears Pond #29 is having a minimal effect on flow direction, although it is believed to be a discharge point for shallow groundwater and representative of the shallow groundwater level when groundwater levels are high. The pond is currently dry. Also, one of the major water ways on the site, Lamar Canal is located to the northwest.

Groundwater flow within the shallow wells in the uppermost aquifer (i.e. to depths of between 20 and 25 feet bgs) exists under unconfined conditions. A geologic cross-section of HAA-15 shows a homogeneous sand unit at the surface that extends from land surface at the runway to about 10 to 20 feet bgs. The massive fine grained sand unit at the top of the sequence is part of the former beach. A series of silty clay units

interbedded with fine sand units and silt units underlies the sand unit. These units are interpreted as marsh and bay or lagoon deposits behind the Pamlico barrier. Individual clay units are often laterally extensive in the marsh behind the barrier.

A persistent clay unit in some areas of the site divides the upper aquifer system into two zones. Significant downward vertical hydraulic gradients at some well locations across the site suggest semi-confined to confined conditions in the uppermost aquifer system. Table 5-4 provides a summary of groundwater elevations measured on February 1, 2010 and September 8, 2011. Table 5-5 provides a comparison of water levels in monitor well pairs and calculated hydraulic head differences and vertical gradients. In February 2010, differences in hydraulic heads ranging from between one and six feet downward were detected at four well pairs (HGL-1, HGL-7, HGL-8, and HGL-9). In September 2011, the three well pairs manifest hydraulic head difference ranging between one and six feet downward (HGL-1, HGL-7, HGL-8). As illustrated in the cross-section on Figure 6-1b, the laterally extensive clayey silt unit separates the shallower well HGL-8B from the deeper well HGL-8C. The downward gradients at the referenced well pairs suggest that the aquifers are separated at most well pairs by the clayey silt unit, which acts as a semi-confining unit. The two aquifers are termed the "Shallow" and "Deep" zones of the upper surficial aquifer system. Water elevations show minor vertical head differences at the runways to the east and at the property boundary to the west, which suggests the two units of the split upper aquifer system may be limited in extent and that these are the areas of the relict beach and shoreface consisting mainly of sands with little to no silts and clays.

Groundwater elevation comparisons with monitor wells installed for vertical delineation are also included in Table 5-5. These data show large vertical head differences between the deep zone of the upper aquifer (35-45 ft bgs) and the vertical delineation wells installed into the Hawthorne confining unit (120-125 ft bgs). The head differences at the locations of the two vertical delineation wells were 15.20 and 12.25 ft.

6.3 Soil Impacts

6.3.1 1999 through 2003 Soil Investigation Results

During the 1996 study, USACE sampled soil as part of the SOF facility pre-construction assessment. No contamination was detected in soil samples. In 1998, USACE completed another pre-construction site assessment in the area. As part of this investigation, seven composite soil samples (6 samples and 1 duplicate) were collected. Methylene chloride was the only contaminant detected in the composite soil samples. Other investigations during this period did not include sampling of soil.

6.3.2 2005 through 2006 Soil Investigation Results

In 2005 and 2006, the soil at locations selected based on historic activities was sampled by HGL. The sampling was conducted to assess whether historical activities had resulted in impacts. The results were as follows.

6.3.2.1 Potential Former Debris Disposal Areas

Soil sample MCA-SO16 was collected in 2005 at a potential former debris disposal site located near the southwest corner of Pond #29. Subsequently, additional soil samples were collected in February and April 2006 at locations to the north, south, east and west of MCA-SO16. Soil samples were analyzed for SVOCs and metals. All detections of metals (arsenic, barium, cadmium, chromium and lead) and several SVOCs observed in the initial soil sample (MCA-SO016) were below GAEPD notification concentrations (NC) and site specific background values for metals. The soil samples collected in 2006 revealed similar SVOCs and metals results with the exception of barium detections of 34 and 33 mg/kg in samples MCA-SO016B and MCA-SO016C2, respectively and a lead detection in the duplicate (MCA-SO016A2*) of 470J mg/kg. The barium detections were slightly above the site specific background value of 28 mg/kg, but were below the Type 1 RRS and GAEPD NC. The lead detection in the duplicate is above the Type 1 RRS concentration. The lead concentration in the original sample from the same location was 8.0J mg/kg, well below background and the Type 1 RRS.

Soil sampling was conducted in 2006 at a potential former debris disposal site west of Pond 29. Soil samples were analyzed for SVOCs and metals. SVOCs were not detected in the initial sample (MCA-SO017). Due to a barium detection of 97 mg/kg that exceeded the background value of 28 mg/kg, additional soil samples were collected in 2006 at locations to the north, south, east and west of MCA-SO017. The soil samples collected at locations MCA-SO017A, B, C and D also had no detections of SVOCs. Barium detections ranged from 35 mg/kg to 120 mg/kg. Each of the barium concentration was below the GAEPD NC of 500 mg/kg and Type 1 RRS of 1,000 mg/kg. Several others metals were detected but at levels below their respective background and Type 1 RRS concentrations.

6.3.2.2 Old Hospital Area

Soil samples were collected by HGL in 2006 at locations in the vicinity of the Old Hospital Area. Soil sample MCA-SO018 was collected in the vicinity of the Old Hospital Area Boiler Room and was analyzed for SVOCs and metals. Some SVOCs were detected at concentrations below their respective GAEPD NC and Type 1 RRS concentrations. Several metals were detected including mercury (0.7 mg/kg), arsenic (2.7 mg/kg), barium (32 mg/kg) and lead (200 mg/kg), which exceeded site specific

background concentrations of 0.39, 2.6, 28 and 53 mg/kg, respectively. Mercury and lead exceeded the Type 1 RRS concentrations. Due to these exceedances, locations to the north, south, east and west were sampled. Samples MCA-SO018C, D, A2, and B2 did not contain metals or SVOC concentrations above GAEPD NC or Type 1 RRS concentrations. Samples MCA-SO018A, C2, and B had concentrations of lead that exceeded the Type 1 RRS. Sample MCA-SO18A contained mercury at a concentration above the Type 1 RRS. Sample MCA-SO18C2, which contained a lead concentration of 5300 mg/kg, was the only sample that exceeded its GAEPD NC. Lead concentrations in soil in this area are presented on Figure 6-3b.

6.3.2.3 Motor Repair Shop Area

Also in 2006, two soil samples, MCA-SO001 and MCASO002, were collected from the Motor Repair Shop area and were analyzed for VOCs, metals, sulfate, reactivity and pH. VOCs were not detected in either soil sample. Barium, chromium, lead and silver were detected at concentrations that were below their respective background and Type 1 RRS concentrations.

6.3.2.4 Georgia Air National Guard Motor Pool

One sample (MCA-SO008) was collected in 2006 from the vicinity of the Georgia Air Guard Motor Pool and was analyzed for VOCs and metals. Acetone, which was the only VOC detected, was below its Type 1 RRS. Barium, chromium and lead were detected at concentrations of 11, 3.8 and 19 mg/kg, respectively, that were below their respective background and Type 1 RRS concentrations.

6.3.2.5 Hangars T-811/813

In 2006, five soil samples were collected from the vicinity of Hangars T-811 and T-813 and analyzed for VOCs and metals. VOCs were not detected in the two soil samples collected from the vicinity of Hangar T-813. Metals such as arsenic, barium, chromium, lead and mercury were detected at concentrations that were below their respective background and Type 1 RRS concentrations. Also in 2006, three samples were collected in the vicinity of Hanger T-811. One sample was collected within the building, one was collected north of the building and the other sample was collected close to the southeast corner of the building. VOCs including acetone, TCE and toluene were detected in the soil sample collected from within Hangar T-811 at estimated concentrations that were below GAEPD NC and Type 1 RRS concentrations. VOCs were not detected in the other two soil samples. Metals were detected in each of the Building T-811 soil samples, but at concentrations that were below their respective background and Type 1 RRS concentrations. TCE concentrations in soil in this area are presented on Figure 6-3a.

6.3.2.6 Former IWTP and Aircraft Washrack Area

In 2006, three soil samples were collected from the Aircraft Wash Rack area and analyzed for VOCs. VOCs were not detected in two of the samples. Ethylbenzene, m&p-xylenes, o-xylene and isopropylbenzene were detected in soil sample MCA-SO014 at concentrations of 250, 1,800, 180 and 750 • g/kg. Each of the detections was below their respective GAEPD NCs.

In 2006, three soil samples were collected from the former IWTP and analyzed for VOCs. No VOCs were detected in the samples from the former IWTP area.

TCE concentrations in soil are presented on Figure 6-3a. Soils analyses from the 2005/2006 investigation are summarized in Table 5-3a.

6.3.3 2007 Grease Trap Removal and Sampling

In October 2006, HAAF personnel sampled liquids in a grease trap connected to the Hangar T-811. Laboratory analysis of these samples indicated elevated concentrations of TCE, cis-DCE and VC (65,000, 39,000 and 6,600 • g/L, respectively) were present in the liquid.

On April 12, 2007, the grease trap was drained and partially removed from an area in front of Hangar T-811 by HAAF personnel. The drain line from Building T-811 to the former grease trap was capped. In addition, the Army collected three soil samples (Bldg 811 Bottom NE, Bldg 811 Outlet Drain and Bldg 811 Outlet Drain E) in the immediate vicinity of the grease trap located between Building T-811 and Lightning Drive. Off-site laboratory analytical results indicated elevated TCE concentrations ranging from 260 to 610 micrograms per kilogram (• g/kg), which were above the GA EPD NC of 130 • g/kg. The results are summarized in Table 6-1. The laboratory report is included in Attachment G.

6.3.4 2009 through 2010 Soil Investigation Results

6.3.4.1 MIP Investigation

In November 2009, MIP borings were installed in two rows approximately perpendicular to the groundwater flow direction downgradient of Hangars T-811 and T-813. In addition, 3 MIP points were installed north (downgradient) of these 2 rows in the area proximate to monitor well HGL-7B/C where 16 mg/L of TCE had been detected in a 2006 sample taken from the well (HGL-7C) screened in the deep interval. Four (4) MIP borings were also located in the area around vertical profile sampling point MVP-3, where TCE had been detected in 2002 in the vicinity of the former IWTP and the wash racks. The MIP borings were advanced to the top of the confining layer as determined based on conductivity data (40 to 47 feet bgs). The

locations are presented on Figure 5-1. The results are presented as cross-sections in Figures 5-1a, b and c and in plan-view on Figure 5-1d. The MIP responses indicated that the largest CVOC mass was located on the north side of Lightning Drive across from the northwest side of Hangar T-811. MIP point H15-SB1, across Lightning Drive from the northeast side of Hangar T-811, also had a significant although lesser ECD response. There were no significant responses from the MIP detectors at points north of Hangar T-813. Overall, the ECD responses indicated CVOC mass in an area across Lightning Drive from the former grease trap location in front of Hangar T-811. The ECD responses indicate the CVOC mass extends approximately 600 feet downgradient (northwest) toward monitor well HGL-7C. MIP analysis points were not located on the Hangar side of Lightning Drive or inside Hangar T-811 due to the physical size of the DPT rig and vehicle housing the analytical unit. In the area proximate to the washracks and former water treatment facility, a MIP response indicated CVOC mass in the 40 to 45 feet bgs interval at one location (location H15-SB25).

6.3.4.2 Soil Sampling

In December 2009, soil sampling was conducted at 11 locations selected using MIP data and results from historic sampling activities. Sample intervals were also adjusted based on field screening data. All soil borings were screened from ground surface to total depth. There were no significant MIP ECD responses or field screening responses that indicated the presence of TCE source mass in the unsaturated zone. The majority of high ECD responses had occurred near the base of the surficial aquifer at 35 to 45 feet bgs in what is considered the deep zone. To maximize evaluation of potential source mass, soil samples were taken at locations indicated as impacted by MIP data. Soil sample results are more indicative of total mass in a specific location than groundwater samples would be. The soils most highly impacted with TCE were observed in samples taken directly north of Hangar T-811. Samples within boring location H15-SB03A were collected between 34-35 feet, 39-40 feet and 44-45 feet bgs to correspond to intervals with high ECD responses. Concentrations of TCE were measured at 7.4 mg/kg, 21 mg/kg and 7.6 mg/kg, respectively. The next highest TCE concentrations in soil were found at location H15-SB03C, also north (downgradient) of Hangar T-811. At this location, TCE concentrations of 1.2, 13 and 2.3 mg/kg were detected at depth intervals of 34-35 feet, 39-40 feet and 44-45 feet bgs, respectively. At location H15-SB03, TCE was detected at 5.7 mg/kg in the soil sample taken from 44-45 feet bgs. TCE concentrations between 1 and 3 mg/kg were detected in the 3 samples taken between 38 to 45 feet bgs in H15-SB-12, which is downgradient of H15-SB-03 and 3A. Continuing downgradient, H15-SB47 contained 1.7J mg/kg, 1.7J mg/kg and 1.8J mg/kg in the 3 samples taken between 29 to 43 feet bgs. East of H15-SB-03a, also in front of Hangar T-811, 1.5 mg/kg of TCE was detected in the sample taken from 34-35 feet bgs at H15-SB01. TCE concentrations in saturated and unsaturated

soil from sampling conducted in 2005 and 2009 for locations in the vicinity of Aircraft Hangar Buildings T-811 and T-813 are presented on Figure 6-3a.

In the area proximate to the washracks and former IWTP facility, TCE was not detected in shallow soil samples taken in 2005. Based on a detection of TCE in deeper groundwater in 2002 and lesser detections in 2005, MIP analysis was performed at 4 locations in 2009. One MIP ECD response at 40 to 45 feet bgs indicated the possibility of significant TCE mass. A soil sample taken at the location (H15-SB25) at 42-44 feet bgs contained 1.3 mg/kg TCE.

Also in 2009, 3 soil samples were taken for analysis of lead in the area east of boring location MCA-SO018C2, where lead had been detected in surface soil at a concentration of 5,300 J mg/kg in 2006. Samples were taken at 2 intervals (1-2 and 4-5) at each location. The maximum detected concentration was 11 mg/kg, well below the background concentration of 53 mg/kg and Type 1 RRS value of 75 mg/kg. Soil lead concentrations from sampling conducted in 2006 and 2009 for locations in the vicinity of Old Hospital Area are presented on Figure 6-3b. Table 5-6a provides a summary of the ARCADIS soil sampling results.

6.3.5 2011 Soil Investigation Results

Additional soil samples were taken in August 2011 as part of the vertical delineation investigation. The soil sample analytical results are presented on Figure 6-3c. In the area of H15-MW-02B/C/D/E across Lightning Road from Hangar 811, TCE was detected in soil at a maximum depth of 92 to 94 ft bgs. The concentration at this depth was 19 µg/kg. Analytical results for soil samples taken below this depth to 125 ft bls were non-detect for all constituents except carbon disulfide. At the location of H15-MW-20E which is near monitor well HGL-7B/C and downgradient of monitor wells H15-MW-02B/C/D/E, TCE was not detected below 58 ft bgs in samples taken to a maximum depth of 118 ft bgs. Toluene and total Xylenes were detected in the sample from 76 – 78 ft bgs at 12 and 190 µg/kg respectively. Table 5-6b provides a summary of the ARCADIS soil sampling results from vertical delineation.

6.4 Groundwater Impacts

Groundwater delineation has been completed by a combination of temporary locations followed by installation and sampling of monitor wells. Initial activities were conducted during 1999 through 2003 with additional investigations from 2005 through 2006 and from November 2009 through June 2010.

6.4.1 1999 through 2003 Groundwater Investigation Results

Groundwater sampling activities with DPT were conducted during 1999 through 2003 and resulted in detections of TCE impacts in groundwater. In 1999 through 2000, vertical-profile borings XX-01 through 26 were installed at the site to determine the extent of the chlorinated solvents detected in the groundwater samples from the initial vertical-profile borings. Sample locations are shown on Figure 4-2. Twelve of these borings were converted to 3/4-inch shallow monitoring wells and ten were converted to 2-inch deep monitoring wells. One of the monitoring well locations (XX-26) was constructed as a nested well with screened zones installed at 3 depth intervals. Monitor well locations are shown on Figure 4-3. The monitor wells were not sampled during these investigations. Based on the groundwater sampling using DPT, the chlorinated compounds were located between 10 and 45 feet bgs. Locations XX-03, XX-14, and XX-22 contained the highest concentrations of TCE at depths ranging from 20 to 40 feet. The highest detected concentrations were at location XX-14 where 3.7 mg/L was detected in a grab sample from 24-27.5 feet bgs. Most samples were taken in what was subsequently determined to be downgradient portions of the impacted area. Groundwater grab sampling using DPT was also conducted in 2002 and 2003. In 2002, 453 µg/L of TCE concentration was detected in location MVP-3 at 35 feet bgs. This detection was subsequently investigated in 2009 as described below. There was no other significant detection of VOCs in 2002. There was no significant VOC detection during the groundwater sampling in 2003.

6.4.2 2005 through 2006 Groundwater Investigation Results

Additional DPT groundwater sampling activities were conducted during the 2005 – 2006 investigation. The results are presented on Figure 6-4.

6.4.2.1 Old Hospital Area

Groundwater was sampled at DPT locations MCA-GW003, MCA-GW004, MCA-GW032 and MCA-GW047 within the Old Hospital Area. VOCs were not detected in the samples collected from DPT locations MCA-GW003 and MCA-GW-004. Samples from location MCA-GW032 contained TCE and cis-DCE in the samples from 30 and 45 feet bgs. The TCE detection of 35 • g/L in the 30 foot sample was the only detection that exceeded the Type 1 RRS concentrations. Groundwater at DPT location MCA-GW047 was sampled at 15, 30 and 40 feet bgs. Cis-DCE (2.1 • g/L), TCE (1 • g/L) and PCE (1.1 • g/L) were detected in the 15 feet bgs sample. TCE at 59 • g/L was the only VOC detection in the 30 feet bgs sample. Acetone at 96 J • g/L was the only VOC detected in the 40 feet bgs sample. This area is down-gradient of the source identified near Hangar T-811 and the low concentrations of TCE detected were not indicative of a TCE source area.

6.4.2.2 Motor Repair Shop

Also during the 2006 HGL investigation, the Motor Repair Shop area was investigated. TCE concentrations in DPT groundwater samples collected from the Motor Repair Shop area ranged from 26 • g/L at DPT location MCA-GW040 to 370 • g/L at DPT location MCA-GW002. Sample results did not indicate that the Motor Repair Shop is a source of VOC impacts. The TCE impacts in this area are likely downgradient impacts from the plume emanating from the Hangar T-811 area. East of the Motor Repair Shop in DPT location MCA-GW031, TCE was detected at concentrations of 6.8 and 3.0 • g/L in the 15 and 30 feet bgs samples, respectively. At the same location, cis-DCE was detected at a concentration of 0.88J and 1.2 • g/L in the 15 and 30 feet bgs samples, respectively. No VOCs were detected at the 45 feet bgs sample. The low concentration detections of TCE and cis-DCE also appear to be downgradient impacts and are not indicative of a source area.

6.4.2.3 Former IWTP and Aircraft Washrack Area

In the IWTP area, 5.9 µg/L of TCE was detected at 30 feet bgs (MCA-GW064). TCE was not detected in samples taken at 16 feet bgs at upgradient DPT location MCA-GW028 or down-gradient DPT locations MCA-GW016, MCA-GW017 or MCA-GW018.

In the aircraft wash rack area, TCE and cis-DCE were detected at 76 • g/L and 140 • g/L respectively at 30 feet bgs in samples taken from location MCA-GW025. Cis-DCE was detected at 29 • g/L in a 16 foot bgs sample from DPT location MCA-GW027. Other petroleum based VOCs (Xylenes, n-propylbenzene) were detected from DPT sample MCA-GW027, but only methylene chloride (6.4 • g/L at 45 feet bgs) was above the Type 1 RRS concentration.

6.4.2.4 Potential Former Debris Disposal Site

At a potential former debris disposal site located near the southwest corner of Pond #29, DPT sample location MCA-GW014 was installed in the vicinity of boring MVP-5. TCE had been detected in 2002 at a concentration of 6.83 • g/L in a sample taken at 45 feet bgs. TCE was not detected in DPT sample location MCA-GW014.

6.4.2.5 Northern Facility Boundary

Petroleum compounds, including benzene, toluene, ethylbenzene and xylenes were detected in the 30 feet bgs sample from DPT sample location MCA-GW076 located at the northern property boundary of the HAAF facility. The petroleum compound detections are not consistent with the TCE plume under investigation at the MCA Barracks Site and were ultimately designated as separate site HAA-18.

6.4.2.6 Vertical Delineation

In 2005-2006, DPT sample locations MCA-GW022, 42 and 54 were installed to depths of 55, 62 and 78 feet bgs, respectively, to evaluate the vertical extent of groundwater contamination within the TCE groundwater plume. The sample taken at 55 feet bgs contained TCE and cis-DCE at 26 µg/L and 11 µg/L, respectively. TCE was detected at 6.7 • g/L in the sample from 62 feet bgs. With the exception of methylene chloride (estimated detection of 0.44 J • g/L), VOCs were not detected in the sample from 78 feet bgs.

6.4.2.7 Hangar T-811/813

DPT groundwater sampling in the Hangar T-811 area resulted in TCE detections of 290 • g/L at 13 feet bgs and 950 • g/L at 15 feet bgs in samples MCA-GW010 and MCA-GW009 respectively. Also in MCA-GW009, TCE was detected at 490 • g/L in the sample from 30 feet bgs. These detections at Hangar T-811 along with demonstrated TCE disposal in the area and impacts downgradient pointed to this as a likely source area. Other VOCs were detected, but only cis-DCE (74 and 110 • g/L at depths of 15 and 30 feet bgs, respectively) and PCE (5.8 • g/L at a depth of 30 feet bgs) detections were above their respective Type 1 RRS concentrations.

There were minimal detections around Hangar T-813. TCE was detected at 3.3 • g/L at 30 feet bgs in front of Hangar T-813 and at 2.3 • g/L at 45 feet bgs west of Hangar T-813. These detections were likely indicative of side-gradient impacts from the plume emanating from the Hangar T-811 area. Groundwater DPT sample results for 2005 and 2006 are presented in Figure 6-4.

6.4.2.8 Monitor Well Sampling

In March 2006 as part of the HGL site investigation, monitor wells were sampled for analysis of VOCs. Dissolved TCE in groundwater was detected at concentrations of 16,000 µg/L in monitor well HGL-7C and at 3,800 µg/L in monitor well HGL-6C. Both monitor wells are downgradient of Hangar T-811. These results indicated the likely existence of a continuing source. Monitor wells down and side gradient indicated that the extent of impacts had been predominantly delineated. Results for samples taken from monitor wells screened in the shallow and deep zones of the upper aquifer are presented in Figures 6-5 and 6-6 respectively.

6.4.3 Grease Trap Sampling

In 2007, HAAF personnel sampled liquids in a grease trap connected to Hangar T-811. The sampling results indicated that elevated concentrations of TCE, cis-1,2-DCE and VC (65,000, 39,000 and 6,600 • g/L, respectively) were present in the

liquid. HAAF personnel subsequently removed all liquids from the grease trap and partially removed the grease trap on April 12, 2007. The USACE sampled soils in the vicinity of the grease trap as previously described.

6.4.4 2009 through 2011 Groundwater Investigation Results

VOCs in groundwater across the site were evaluated as part of groundwater sampling events conducted by ARCADIS between February and May 2010. A total of 39 monitor wells, including 12 wells installed in 2010, were sampled. Subsequently, 17 monitor wells were installed and sampled in 2011.

Groundwater analytical results from the 2010 and 2011 sampling events are presented based on the intervals that correspond to the shallow and deep zones of the upper aquifer. TCE impacts in the shallow and deep upper aquifer groundwater are shown on Figures 6-5 and 6-6, respectively. The vertical contaminant distribution is presented in Figures 6-7 through 6-16, which are isoconcentration contours along geologic cross-sections for constituents of concern. Monitor well sampling data are included in Tables 5-7 and 5-8.

The CVOC impacts in the shallow zone of the upper aquifer are much less than those detected in the deep zone. In the shallow zone, the highest concentrations of TCE were detected in monitor wells H15-MW-02B, located across Lightning Drive from the northwest side of Hangar T-811, and HGL-7B, located approximately 600 feet downgradient of H15-MW-02B. The samples from these two monitor wells, H15-MW-02B and HGL-7B, contained 68 and 40 ug/L of TCE respectively in February 2010. Monitor well HGL-6B, down and side gradient of H15-MW-02B, contained 17 ug/L of TCE. The other significant detection in shallow groundwater was in the sample from monitor well H15-MW-03B, which contained 120 ug/L of cis-1,2-DCE and 5.0 ug/L of TCE in April 2010. Monitor well H15-MW-03B is located in the area of the washracks and former IWTP. Six monitor wells screened in the shallow zone of the upper aquifer were installed in July and August 2011 to provide additional horizontal delineation of this interval. Results from H15-MW-15B indicate that impacts to the southeast are minimal. The results from two monitor wells (H15-MW-14B and H15-MW-16B) installed upgradient and down gradient of the shallow impacts at the washrack/former IWTP area demonstrated that the shallow impacts are limited to a small area around monitor well H15-MW-03B. Three shallow zone monitor wells were installed in the western impact area. The results from these wells confirmed that impacts in the shallow zone consist of low TCE concentrations that attenuate to non-detect in downgradient areas.

The impacts in the deep zone of the upper aquifer were much higher than those in the shallow zone. In the area where MIP and soil boring data had indicated a source in the Hangar T-811 area, TCE was detected at a concentration of 32,000 ug/L in monitor

well H15-MW-02C in April 2010. H15-MW-02C is the deep zone well located across Lightning Drive from Hangar T-811. Monitor well HGL-7C, which is approximately 600 feet downgradient of H15-MW-02C, contained 16,000 ug/L in February 2010. Also in February 2010, side gradient wells HGL-6C and XX-21 contained 850 ug/L and 230 ug/L, respectively. In the western plume area, five new monitor wells screened in the deep zone of the upper aquifer were installed in 2011. The sampling results from these new wells further refined the horizontal delineation of impacts associated with the downgradient portions of the deep zone plume. Monitor well H15-MW-10C, which was installed approximately 200 feet east of source well H15-MW-02C along Lightning Drive, contained 3,300 ug/L of TCE and 9,700 ug/L of cis-1,2-DCE.

In the former IWTP and washracks area, 2010 groundwater sampling results from deep monitor well H15-MW-01C (2,800 ug/L TCE) indicate the potential for a second source in the area. TCE was detected in upgradient well H15-MW-03C at 79 ug/L. TCE was not detected in H15-MW-07C, which is upgradient of H15-MW-03C. H15-MW-04C, which is 400 ft downgradient of H15-MW-01C, contained 2.2 ug/L of TCE in April 2010. All wells in this area which contained TCE also contained degradation product cis-1,2-DCE as a large percentage of the total CVOCs. Results from this area indicate a lower impact over a smaller area than the impacts associated with the Hangar T-811 area. Three monitor wells screened in the deep zone of the upper aquifer were installed in August 2011 to provide additional horizontal delineation of the washrack/former IWTP area. Results from H15-MW-15C indicate that impacts to the southeast are minimal. The results from two monitor wells (H15-MW-13C and H15-MW-14C) installed upgradient and down gradient of the deep zone impacts at the washrack/former IWTP area demonstrated that the deep impacts are limited to a small area around monitor well H15-MW-01C.

In August 2011, three monitor wells were installed below the deep zone of the upper aquifer to provide vertical delineation in the source areas. Two wells (H15-MW-02D, H15-MW-02E) were installed in the source area near Hangar T-811 and one (H15-MW-20E) was installed in a downgradient source location near HGL-7C. The sample from Monitor Well H15-MW-02D, which is screened from 68 to 73 ft bgs, contained 1.7 ug/L of TCE. A deeper well at the same location, H15-MW-02E, which is screened from 120 to 125 ft bgs, contained 1.1 ug/L of TCE. Monitor well H15-MW-20E, which is located in the downgradient source area and is also screened from 120 to 125 ft bgs, did not contain TCE.

6.5 Surface Water and Sediments

6.5.1 Surface water

As part of the site investigation activities conducted by HGL, surface water samples were collected from the storm water retention pond in October 2005. Six (6) samples were collected from the eastern edges of Pond 29 to provide coverage of the surface water entering the pond from the impacted side (east). No VOCs were detected in surface water above laboratory practical quantitation limits (PQLs). The PQLs were all determined to be below MCLs. Based on these results and the shallow groundwater results, it does not appear groundwater impacts in the area of the pond are affecting surface water quality. Table 5-3d provides a summary of the surface water sampling results. Surface water sampling results are shown on Figure 6-5. Additional information on Pond 29 (Oglethorpe Lake) from an USGS study conducted in 2008 and 2009 is provided in Appendix N.

6.5.2 Sediments

Sediment samples were collected from Pond 29 in October 2005 and February 2006. Nine (9) sediment samples were collected from different portions of the base of the pond. There were no VOCs detected above laboratory method detection limits, with the exception of 2-Butanone, acetone and dichlorodifluoromethane (Freon-12). The maximum detected concentrations of these compounds (0.023 mg/kg, 0.078 mg/kg and 0.011 mg/kg, respectively) were below their respective Type 1 RRS concentrations (200 mg/kg, 40 mg/kg and 100 mg/kg). Based on the sediment sampling results, it does not appear that groundwater impacts in the area of the pond are affecting sediments. Table 5-3e provides a summary of the sediment sampling results. Sediment sampling locations are shown on Figure 4-2.

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7. Conceptual Site Model (CSM)

Based on a compilation of all data collected to date, two source areas for TCE groundwater impacts at the HAA-15 site have been identified: Hangar T-811 area and the former IWTP / washracks area. Other potential source areas previously investigated did not contain concentrations indicative of source mass. Most of the potential sources investigated are downgradient of the two areas identified and impacts are likely attributable to those 2 source areas.

The data confirm that the primary TCE source is located proximate to Hangar T-811. The highest groundwater and soil TCE concentrations were detected in DPT points and in the monitor well across Lightning Drive from Hangar T-811. These concentrations in soil and groundwater are indicative of separate phase source (DNAPL). Soil samples in and beside Hangar T-811 did not contain TCE at comparable concentrations and a significant source below or directly around Hangar T-811 was not located. Hangar T-811 was constructed in late 1940 and early 1941. Historically, TCE used at Hangar T-811 was discharged to a grease trap in front of Hangar T-811. It is not known when the grease trap was originally placed in operation. The grease trap was disconnected, cleaned, and partially removed in 2007. TCE impacts were detected around the grease trap prior to removal but not at concentrations indicative of a source. Other samples under the footprint of the former grease trap location also did not reveal any significant TCE concentrations. Based on TCE impacts directly across Lightning Drive, sufficient TCE mass was released over time to migrate to the deep interval of the upper aquifer. TCE concentrations in shallower intervals are lower and the downward migration route for the movement of TCE was not detected during investigation efforts. Source migration from the Hangar T-811 area appears to be following a preferential migration pathway and the highest concentrations of TCE currently occur in a narrow corridor in the deep zone of the upper aquifer to approximately 600 feet downgradient from the suspected source area. The geometry of the plume and the groundwater flow direction also corroborate that the primary source of the TCE impacts is associated with the area north of Hangar T-811. The down and side gradient extents have been delineated and low concentrations of TCE have been determined to have migrated approximately 1,600 feet downgradient from the source mass identified in the Hangar T-811 area.

Vertical delineation in the source area indicated that the impacts are predominantly held up in the interbedded clays between 35 and 50 ft bgs. These interbedded clays in the deeper interval of the upper aquifer and the clay of the upper Hawthorne confining unit have effectively prevented any significant vertical migration beyond 50 ft bgs. The

two potable wells in the area have open intervals below the Hawthorne confining unit in the upper Floridan Aquifer and are not at risk from the impacts at this site.

Concentrations indicative of a second source of TCE impacts were detected at one location in the area of the wash rack and former IWTP near Building 850, which was built circa 1953. The dates of construction for the wash rack and former IWTP could not be determined. The soil sample, collected at location H15-SB25, contained 1.3 mg/kg TCE at 42-44 feet bgs. A groundwater sample collected at monitor well H15-MW-01C, installed in the same location, contained 2.8 mg/L of TCE. Based on the groundwater flow direction and storm sewer routes, this impact appears to be a separate source. Concentrations indicative of source mass were not detected in the intervals above 40 feet bgs. TCE concentrations in downgradient monitor wells are minimal and the residual source mass may have attenuated since the original release.

Additional chloroethene COCs at the site are cis-DCE and VC, which are generally indicative of degradation. There are many potential biological and abiotic reactions that may degrade TCE in the subsurface, under both aerobic and anaerobic conditions. At this site, dissolved oxygen concentrations consistently at or below 0.5 mg/L and oxidation reduction potentials consistently below -100 mV indicate that the aquifer across the site is anaerobic and reductive and that anaerobic dechlorination processes are resulting in the degradation of the TCE and generation of the cis-DCE and VC.

In the plume emanating from Hangar T-811, a high percentage of the CVOCs in side and down-gradient wells are cis-DCE, a degradation product of TCE. This contrasts with the higher percentage of TCE found in source area wells. Anaerobic dechlorination of TCE depends on many factors including anaerobic conditions, presence of fermentable substrates, and appropriate microbial populations. There is likely insufficient substrate in the source areas for the high TCE concentrations. In the plume associated with the former IWTP and washracks, the magnitude of impacts is much less and a higher percentage of the CVOCs in all monitor wells is cis-DCE. The source and peripheral impacts are attenuating sufficiently to prevent significant downgradient impacts. Very little VC, a dechlorination product of cis-DCE, has been detected at the site. Microorganisms that potentially facilitate dechlorination of cis-DCE and VC to ethene may not be as prevalent as those capable of dechlorination of PCE and TCE to cis-DCE.

The distance of impacts from the suspected source location is about 1,600 feet in the Hangar T-811 area. However, due to the range of possible groundwater velocities determined with slug tests, an estimate of impact timeframe is difficult. As previously noted, the source and peripheral impacts in the wash rack and former IWTP area are apparently attenuating sufficiently to prevent significant downgradient impacts.

Other COCs in groundwater exceeding their Type 1 and 3 RRS at the site consist of methyl tert-butyl ether (MTBE), benzene, 1,1-dichloroethene; and isopropylbenzene. MTBE was an isolated detection of 7.4 µg/L in only one location in shallow groundwater. 1,1-DCE was detected at low concentrations in some deep interval wells and may be indicative of alternative TCE degradation pathways. Benzene was detected in two deep interval monitor wells at 1.1 µg/L. Other petroleum hydrocarbons including isopropylbenzene were detected at very low concentrations, mostly in the wash rack and former IWTP area.

Surface soil in the Old Hospital Area is impacted with Lead and Mercury above Type 1 RRS. Although a clear source of the lead and mercury impacts has not been identified, the impacts are in the vicinity of the boiler room that provided steam heat to the old hospital. Coal was reportedly used to fuel the boilers and may have been the source of the soil impacts. It is unknown how long the boiler room was in operation or how long coal was used as the fuel source. Other surface soil sample results in the area were much lower than the maximum lead concentration. The impacts are apparently limited to a small area and it is unlikely that the maximum lead concentration is representative of soil conditions across the site.

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8. Human Health Risk Assessment

The human health risk assessment for HAA-15 evaluated the potential risks to human health through the derivation of RRS for each of the detected constituents in soil and groundwater and an evaluation of the potential exposure to constituents detected in surface water and sediment and the migration of volatile constituents into buildings at the site.

This section is organized as follows:

- Potential receptors
- Exposure assessment
- Toxicity assessment
- Risk reduction standards
- Vapor intrusion evaluation
- Summary and conclusions

8.1 Potential Receptors

The site area houses multiple administrative and industrial facilities and barracks. Military and civilian workers are present at the site during the work week. The barracks provide housing to transient military personnel. Family housing is not provided at the site. In the event that construction occurs at the site, construction workers could contact impacted soil.

Like many military bases, access to the site is restricted. Thus, trespassers are not expected at the site under current conditions. Similarly, it is unlikely that the site will be used for permanent, residential housing. HAA has a master plan (U.S. Army 2006) and it indicates that the nearest family housing is one mile to the southeast of this site.

Upper aquifer groundwater at the site is not used as a potable water supply. The deeper Floridan aquifer is used as the potable water supply. Two Floridan Aquifer potable water wells are located in the HAA-15 area. Well HAA Well #2 is hydrogeologically upgradient of the site while well HAA Well #1 is downgradient of the impacts. The wells may also be used for non-potable purposes. The wells are not connected hydraulically to the shallow impacted interval.

The depth to water is approximately 2 to 10 feet below ground surface. Construction workers may contact the groundwater during construction activities. Additionally, volatile organics present in the groundwater and soil may migrate into buildings at the site.

8.2 Exposure Assessment

In accordance with Georgia EPD guidance, default criteria for Types 1 and 3 RRS were identified. For Types 2 and 4 RRS, exposure factors from GAEPD guidance (GAEPD 1999) or USEPA guidance (USEPA 1997a) were used. These RRS values are therefore considered to be conservative (i.e., protective of human health) in that exposure to the identified and/or calculated concentrations is considered unlikely to cause significant carcinogenic or noncarcinogenic effects. Thus, if the soil or groundwater concentrations are less than the conservative RRS, then additional exposure scenarios will not be evaluated.

8.2.1 Soil Exposure

In accordance with GAEPD guidance, the Types 2 and 4 RRS for carcinogenic effects from potential exposure to soil are typically calculated using Equation 6 from Part B of the Risk Assessment Guidance for Superfund (RAGS) Part B (USEPA 1991). The Types 2 and 4 RRS for noncarcinogenic effects from potential exposure to soil are typically calculated using Equation 7 from RAGS Part B. Table 8-1 provides the equations used to derive the soil RRS.

The exposure factors used to calculate the Type 2 (i.e., residential) RRS include a body weight of 70 kilograms (kg) for an adult and 15 kg for a child, 30 years of exposure duration for an adult and six years for a child, a 114 milligram per day (mg/day) soil intake rate for an adult and 200 mg/day for a child, and an exposure period of 350 days per year.

The exposure factors used to calculate Type 4 (i.e., commercial) RRS are based on industrial exposure and include a body weight of 70 kg, 25 years of exposure duration, a 50 mg/day soil intake rate, and an exposure period of 250 days per year. Exposure factors for both Types 2 and 4 RRS were obtained from GAEPD guidance (GAEPD 1999; USEPA 1997a).

8.2.2 Groundwater Exposure

Types 2 and 4 RRS for carcinogenic and noncarcinogenic effects from potential exposure to groundwater were calculated using Equations 1 and 2, respectively, from RAGS Part B (USEPA, 1991). The lowest criterion from Equation 1 or 2 was used as the Types 2 and 4 RRS. The equations and parameter values used to calculate the RRS for exposure to groundwater are presented in Table 8-2.

The exposure factors used to calculate the Type 2 (i.e., residential) RRS include a body weight of 70 kg for an adult and 15 kg for a child, 30 years of exposure duration for an adult and six years for a child, a 2-liter-per-day (L/day) water intake rate for an adult and 1 L/day for a child, and an exposure period of 350 days per year.

The exposure factors used to calculate Type 4 (i.e., commercial) RRS are based on industrial exposure and include a body weight of 70 kg, 25 years of exposure duration, a 1-L/day water intake rate, and an exposure period of 250 days per year. Exposure factors for both Types 2 and 4 RRS were obtained from GAEPD guidance (GAEPD 1999; USEPA 1997a).

8.3 Toxicity Assessment

The toxicity values used to calculate Type 2 and Type 4 RRS (i.e., cancer slope factors [CSF] and reference doses [RFD]) were obtained from the USEPA Regional Screening Level (RSL) (USEPA 2010b) table. The values included in the RSL table were verified in the primary sources. The toxicity values are presented in Table 8-3.

8.4 Risk Reduction Standards

The primary objective of the risk evaluation was to compile the available analytical data on the regulated substances that were detected in soil and groundwater and to compare the data to the RRS. The Type 1 RRS was identified, and residential exposure factors were used to calculate the Type 2 RRS in soil and groundwater. The Type 3 RRS also was identified for soil and groundwater, and industrial exposure factors were used to calculate the Type 4 RRS for soil and groundwater. The physical and chemical properties used to derive the soil RRS are provided in Table 8-4.

In addition, the potential for the detected soil constituents to leach from soil to groundwater was evaluated by calculating soil screening levels (SSLs) protective of groundwater using USEPA methodology (1996, 2002b). For these calculations, the groundwater RRS were used as the groundwater criteria.

8.4.1 Soil Risk Reduction Standards

The Type 1 RRS (default residential criteria) for soil were determined using the definition in Rule 391-3-19-.07(6)(c) of GAEPD guidance (1999). The concentrations of compounds detected in soil above the water table were compared to the Type 1 RRS. The Type 1 RRS were determined as follows. If a criterion was available in Table 2 of Appendix III of the guidance, then that RRS was used. Otherwise, the largest of the Appendix I or 100 times the Type 1 groundwater criteria were compared to the calculated Type 1 carcinogenic and noncarcinogenic criteria, and the least of these values was selected as the Type 1 RRS. The default criteria were obtained from the draft revisions to the RRS. Table 8-5 includes the maximum detected constituent concentration above the water table, the location of the maximum, and the Type 1 soil RRS. Only lead and mercury exceed their Type 1 RRS.

The equations used to calculate the Type 2 RRS for soil are presented in Table 8-1. The Type 2 carcinogenic and noncarcinogenic calculated criteria are presented in

Table 8-6 for adult residential receptors and Table 8-7 for child residential receptors. In addition, for each of the constituents evaluated, the RRS was the lower of the direct contact soil RRS calculated in Tables 6 and 7 and the SSL which is protective of groundwater and was derived based on the groundwater Type 1 RRS (see Table 8-10) or the groundwater Type 2 RRS (Table 8-11). The comparison of detected concentrations and the source of the Type 2 RRS is presented in Table 8-5. The following constituents exceed their Type 2 RRS: lead and mercury.

The Type 3 RRS were derived in a manner similar to those of the Type 1 standards with the exception that industrial worker assumptions were used to derive the default direct contact RRS. The Type 3 RRS are presented in Table 8-8 together with the maximum soil concentration detected above the water table. As seen in the table, only lead exceeds its Type 3 soil RRS.

The Type 4 RRS was derived by selecting the lower of the Type 4 direct contact RRS (Table 8-9) and the Type 4 SSL (Table 8-12). As seen in the table, one constituent, lead, was detected at a maximum concentration exceeding its Type 4 RRS.

8.4.2 Groundwater Risk Reduction Standards

The calculation of RRS for groundwater included the integration of the exposure and toxicity assessments. Information on potential exposures and toxicity values was combined to generate the Types 2 and 4 RRS. These criteria, as well as the default criteria for Types 1 and 3 RRS, were then compared to the maximum detected concentrations of the constituents detected in the shallow groundwater at the site.

8.4.2.1 Residential Risk Reduction Standards

Residential RRS were calculated for groundwater as described above. The following sections further describe the Types 1 and 2 RRS.

- Type 1 RRS

  The Type 1 RRS (default residential criteria) for groundwater are defined in Rule 391-3-19-07(6)(b) (GAEPD 1999) as the concentrations listed in Table 1 of Appendix III (if available). The comparison of maximum detected groundwater concentrations to the Type 1 RRS and the source of the Type 1 RRS are presented in Table 8-13 for the shallow zone of the surficial aquifer groundwater. Four constituents were detected at concentrations greater than the Type 1 RRS for groundwater: cis-DCE; isopropylbenzene; MTBE; and TCE.

  Table 8-14 presents the comparison of the maximum deeper zone of the surficial aquifer groundwater concentrations to the Types 1 and 2 RRS. As seen in the table, seven constituents were detected at concentrations greater than the Type 1

RRS: benzene; 1,1-dichloroethene; cis-DCE; isopropylbenzene; methylene chloride; TCE; and VC.

- Type 2 RRS

  The equations and input parameters used to calculate the Type 2 RRS for the constituents of concern (COC) in groundwater are presented in Table 8-2. Calculations of the Type 2 carcinogenic and noncarcinogenic criteria for groundwater are included in Table 8-15 for adults and in Table 8-16 for children. For each detected constituent, the least of the carcinogenic and noncarcinogenic criteria was then selected as the criterion for each receptor (adults and children), and the lower of the adult or child criterion was selected as the Type 2 RRS. A comparison of the maximum detected concentrations with the Type 2 RRS, along with the source of the Type 2 RRS, is included in Table 8-13 for the shallow zone groundwater and Table 8-14 for the deep zone groundwater. Only TCE was detected in shallow groundwater at a maximum concentration exceeding the Type 2 RRS (Table 13). Four constituents were detected in the deeper zone of the surficial aquifer at concentrations greater than the Type 2 RRS: benzene; cis-DCE; TCE; and VC (see Table 8-14).

8.4.2.2 Nonresidential Risk Reduction Standards

Nonresidential RRS were calculated for groundwater as previously described in this risk evaluation. The following sections further describe the Types 3 and 4 RRS.

- Type 3 RRS

  The Type 3 RRS for groundwater are identical to the Type 1 RRS used for the residential scenario, according to GAEPD guidance (GAEPD 1999). The comparison of maximum detected concentrations to the Type 3 RRS for groundwater is presented in Table 8-17 for shallow groundwater. This comparison shows that four constituents were detected at concentrations greater than the Type 3 RRS for groundwater: cis-DCE; isopropylbenzene; MTBE; and TCE.

  Table 8-18 presents the comparison of the maximum detected deep zone groundwater constituents to the Type 3 RRS. Seven constituents were detected at concentrations greater than the Type 3 RRS: benzene; 1,1-dichloroethene; cis-DCE; isopropylbenzene; methylene chloride; TCE; and VC.

- Type 4 RRS

The equations and input parameters used to calculate a Type 4 RRS for the groundwater are presented in Table 8-2. Calculations of the Type 4 carcinogenic and noncarcinogenic criteria for groundwater are included in Table 8-19. For each

constituent, the lesser of these two criteria was selected as the Type 4 RRS for groundwater. The comparison of maximum detected concentrations to Type 4 RRS for shallow groundwater presented in Table 8-17 shows that only TCE exceeds the Type 4 RRS for groundwater. The comparison of the deeper zone of the surficial aquifer groundwater to the Type 4 RRS is presented in Table 8-18. Three constituents exceeded the Type 4 RRS: cis-DCE; TCE; and VC.

8.4.3 Sediment

Four constituents were detected in sediments: acetone, dichlorodifluoromethane, methyl ethyl ketone, and toluene. The maximum detected concentrations were compared to the soil Type 1 RRS, as seen in Table 8-20. All of the detected concentrations were well below the Type 1 RRS. Therefore, exposure to sediments is not expected to pose an unacceptable risk to receptors as the site.

8.4.4 Surface Water

Methylene chloride was the only constituent detected in surface water at the site. As seen in Table 8-21, the maximum detected concentration was compared to the groundwater Type 1 RRS. The RRS is based on the assumption that the surface water would be used as a potable water supply. The maximum concentration is less than the Type 1 RRS. Therefore, exposure to surface water is not expected to pose an unacceptable risk to receptors at the site.

8.5 Vapor Intrusion Evaluation

Volatile organic compounds were detected in soil and groundwater at the site. These constituents have the potential to migrate from the subsurface into indoor air of buildings at the site. This pathway was evaluated using the 2010 groundwater data and all of the soil data.

The USEPA version of the Johnson and Ettinger (J&E) vapor intrusion model is a conservative model that can be used to evaluate the potential for vapor intrusion, to estimate the potential associated risk, and to calculate risk-based medium-specific concentrations, including both industrial and residential settings. The USEPA vapor intrusion model was run using the maximum concentrations of each detected volatile organic constituent in soil and groundwater on site.

Thus, the soil constituents evaluated were: acetone; 1,2-dichloroethane; 1,2-dichloropropane; ethylbenzene; isopropylbenzene; toluene; 1,1,2-trichloroethane; TCE; m,p-xylene; o-xylene; acenaphthylene; anthracene; naphthalene; and phenanthrene.

The groundwater constituents evaluated for the vapor intrusion pathway were: acetone; benzene; carbon disulfide; chloroform; chloromethane; 1,2-dichlorobenzene; 1,1-

dichloroethene; cis-DCE; trans-1,2-dichloroethene; ethylbenzene; 2-hexanone; isopropylbenzene; MTBE; PCE; toluene; TCE; VC; and total xylenes.

8.5.1 Vapor Intrusion Modeling

The maximum detected concentrations of COCs in groundwater and soil were carried through to the second phase of the evaluation, use of the USEPA advanced level J&E model for vapor intrusion. Modeling was performed for three different receptors: commercial worker, residential adult, and residential child. The use of the maximum concentration presents a conservative estimate of risk and hazard because it is unlikely that the concentrations migrating into a building will be only at the maximum concentration. An average concentration would be more representative of what would be contributing to the concentrations of vapors migrating into a building.

The following assumptions were used to evaluate potential exposures of both residential receptors and site workers. Although military personnel are at this site for a short time, the standard default exposure assumptions for residential receptors, including children, were used in this assessment.

- The USEPA (2004) default values for building size, 1,000,000 square centimeters (cm^2) or 1,076 square feet was used for the building size.
- A building air exchange rate or ventilation rate of 0.48 exchanges per hour was used in the evaluation. This value was selected based on information provided by USEPA (2004). Specifically, air exchange rates distributions vary depending on season and climatic region. Therefore, a ventilation rate specific for the climatic area was selected. USEPA (2004) reported that "for the winter season and warmest climatic area (Region 4, southern California, Texas), the 10^{th}, 50^{th}, and 90^{th} percentile values were 0.24, 0.48 and 1.13 air exchanges per hour, respectively. Although building air exchange rates would be higher during the summer months, vapor intrusion during winter months (when house depressurization is expected to be most significant) would be of greatest concern" (USEPA 2004). Therefore, a ventilation rate of 0.48 corresponding to the 50^{th} percentile in the region was used in this assessment.
- The foundation thickness was set at 10 centimeter (cm) and a ceiling height of 8 feet (244 cm) for the resident and 12 feet (366 cm) for the site worker. Other default assumptions were used in the model (USEPA 2004);
- The soil collected above the first water bearing zone were used in the evaluation. The soil from depths below 8 feet were not used in the model because the model does not allow for volatilization from soil between two water bearing zones or from saturated soil. Thus, the depth of soil used in the assessment was 5 feet below

grade. The depth to shallow groundwater used in the assessment was 8 feet (241.92 cm) below grade. Since groundwater is encountered at 8 feet or 241.92 cm, this was the depth entered as the depth to the bottom of contamination;

§ An average groundwater temperature of 19.5 °C was estimated based on USEPA (2004) guidance;

§ A soil type of sand was selected conservatively to represent the soils, although lenses of clay and silt were observed during field investigations at the site;

§ A soil-building pressure differential (delta P) of 40 grams per centimeter per square second ($g/cm\text{-}s^2$) was used (USEPA 2004);

§ Adult body weight of 70 kg (USEPA 1991);

§ Exposure frequency of 250 days/year (5 workdays/week for 50 weeks/year) for a site worker and 350 days/year for a hypothetical future resident (USEPA 1991);

§ Exposure duration of 25 years for a site worker and 30 years for a hypothetical future site resident (USEPA 1991).

8.5.2 Soil

The soil data above the water table was used to estimate indoor air concentrations. The soil samples used in the evaluation were from 2005 for the volatile organic compounds and 2006 for the semi-volatile organic compounds. All of the more recent soil data were collected below the shallow water bearing zone. Table 8-22 presents the input parameters for residential exposure; Table 8-23 provides the results of the intermediate calculations, and Table 8-24 presents the results of the residential calculations. The corresponding tables for the site worker are presented in Tables 8-25 through 8-27. The results of the vapor intrusion modeling are as follows:

- Adult resident: Excess lifetime cancer risk (ELCR) = 7×10^{-6} and a noncancer hazard index (HI) = 0.7.
- Site Worker: ELCR = 1×10^{-6} and a HI = 0.1.

The calculated risks and hazards for soil vapor intrusion are below the GAEPD HSRA benchmark of 1×10^{-5} and a noncancer hazard of 1. Therefore, it is unlikely that the soil is a significant source of vapors into buildings at the site.

8.5.3 Shallow Groundwater

The shallow groundwater was used to estimate indoor air concentrations. Table 8-28 presents the input parameters for residential exposure; Table 8-29 provides the results of the intermediate calculations, and Table 8-30 presents the results of the residential

calculations. The corresponding tables for the site worker are presented in Tables 8-31 through 8-33. The results of the vapor intrusion modeling are as follows:

- Adult resident: ELCR = 2×10^{-5} and a noncancer HI = 5.
- Site Worker: ELCR = 3×10^{-6} and a noncancer HI = 0.8.

The ELCR and the HI for the site worker was less than the GAEPD HSRA benchmark of 1×10^{-5} or 1, respectively. The ELCR for the hypothetical resident of 2×10^{-5}, was slightly greater than the GAEPD HSRA benchmark due to the presence of TCE in the groundwater and the September 2011 revised toxicity values. The ELCR is within the USEPA target risk range. The noncancer HI was above the benchmark of 1 for the hypothetical resident. The risk driver was trichloroethene; none of the other constituents had noncancer HQs greater than 1. The calculations were based on the maximum detected shallow groundwater concentrations from 2010. The average TCE concentration for the shallow groundwater is approximately equal to 16 µg/L. If this concentration were used in the vapor migration model, the ELCR and HI would be less than and equal to the GAEPD HSRA benchmarks of 1×10^{-5} or 1, respectively. Based on these results, it is unlikely that the vapor intrusion pathway will pose significant risks to human health.

8.6 Summary and Conclusions for Human Health Risk Assessment

This human health risk assessment for HAA-15 (MCA Barracks Site) evaluated the potential risks to human health by comparing the maximum detected soil and groundwater constituents to the Types 1 through 4 RRS. The potential exposure to constituents detected in surface water and sediment also was evaluated by comparing the maximum detected concentrations to the Type 1 RRS. Finally, the vapor migration from soil and groundwater into buildings at the site was evaluated.

The soil data collected above the shallow groundwater were compared to the RRS. Lead and mercury exceeded the Type 1 and Type 2 standards. Only lead exceeded the Type 3 and Type 4 standards. Other surface soil sample results in the area were much lower than the maximum lead concentration. As a result, it is unlikely that maximum lead concentration is representative of soil conditions across the site.

The shallow groundwater data were compared to the Types 1 through 4 RRS. Four constituents exceeded the Type 1 and Type 3 groundwater RRS: cis-DCE; isopropylbenzene; MTBE; and TCE. Only TCE exceeded the Type 2 and Type 4 RRS for the shallow groundwater.

The deep groundwater data were compared to the RRS. Seven constituents exceeded their Type 1 and Type 3 RRS: benzene; 1,1-dichloroethene; cis-DCE; isopropylbenzene; methylene chloride; TCE; and VC. Four constituents were detected

in the deep groundwater at concentrations greater than the Type 2 RRS: benzene; cis-DCE; TCE; and VC. Three constituents exceeded their Type 4 RRS: cis-DCE; TCE; and VC.

The soil and shallow groundwater were evaluated for the vapor intrusion pathway. The maximum detected medium-specific concentrations were used in the calculations as a conservative measure. The results indicated that the risks were less than the GAEPD HSRA benchmark of 1×10^{-5} for all receptors except residents exposed to vapors migrating from groundwater. For that receptor, the calculated risk was 1×10^{-5}, just slightly greater than the GAEPD benchmark and well within the USEPA risk range. TCE was the risk driver. The noncancer hazards were less than the benchmark of 1, again with the exception of the resident exposed to vapors migrating from groundwater where the hazard was calculated to be 5, due to the presence of TCE. These risks and hazards were calculated using the updated cancer slope factors and reference doses for TCE that were released on September 28, 2011. If the average TCE concentration were used in the vapor migration model, the ELCR and HI would be less than and equal to the GAEPD HSRA benchmarks of 1×10^{-5} or 1, respectively.

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9. Ecological Health

This section presents the Ecological Risk Assessment (ERA) that was conducted for the site pursuant to GAEPD CSR guidance and HSRA regulations. The objective of the ERA is to evaluate whether ecological receptors may be adversely affected by exposure to site-related constituents. This ERA is intended to provide input for risk management decision-making for the site, while maintaining a conservative approach protective of wildlife populations and communities.

9.1 Introduction

As previously mentioned, the site is developed with industrial, commercial, and temporary residential, administrative, maintenance, and barracks facilities. The Site also includes an active air field and green space. The green space on the Site is comprised of a landscaped, maintained area of oak trees and a 10-acre man made storm water pond (Pond 29 /Oglethorpe Lake) located at the western portion of the site which has been designated for recreational uses by the National Recreation Lake Study Commission (1999). The green space at the site provides terrestrial and aquatic habitat for ecological receptors.

Groundwater at the site occurs in the surficial aquifer at depths ranging from 2 to 15 feet bgs and the deeper Floridan aquifer. The surficial aquifer is separated from the Floridan Aquifer by a thick confining unit of clay. Recharge to the surficial aquifer occurs through precipitation on land directly above the aquifer. The surficial aquifer is used for lawn irrigation and heat pumps (USACE 2004). Therefore, the ERA assessed the effect of impacts to soil, sediment, surface water and groundwater at the site to ecological receptors. Groundwater from the surficial aquifer was assessed in the ERA because a) it could potentially discharge to surface water and b) it is used for irrigation

As recommended by GAEPD regulations for a CSR under the HSRA regulations, the ERA was conducted in accordance with USEPA guidance. As such, the ERA is comprised of a screening-level ERA (SLERA) followed by a baseline ERA (BERA) (USEPA 1997). Typically, the SLERA evaluates the potential risk to terrestrial and aquatic ecological receptors exposed to all detected constituents in surface soil, sediment, surface water, and shallow groundwater discharging to surface water. The SLERA provides a conservative estimate of potential ecological risks and compensates for uncertainty by incorporating numerous conservative assumptions. The purpose of the SLERA is to determine whether there is a high probability that there are no ecologically significant risks; otherwise, a BERA is warranted (USEPA 1997, 2000a, 2001a). If a BERA is indicated, the information developed in the SLERA is used to help focus the BERA. The BERA is more complex than the SLERA and uses more realistic

and site-specific information about potential exposures and effects in order to evaluate potential ecological risks.

The approach used to assess ecological risks associated with the site is based on the USEPA eight-step process (USEPA 1997, 2000a, 2001a), as summarized in Figure 9-1. An expanded view of the USEPA eight-step process is provided in Figure 9-2. As illustrated on Figure 9-2, the USEPA paradigm divides Step 3 into two parts, Step 3a and Step 3b (USEPA 2000a). Step 3a allows for a more refined analysis of available information, while Steps 3b and beyond focus on further evaluation(s) for only those receptors, media, and constituents that are identified in previous steps. USEPA (2000a) states, "for the majority of sites, ERA activities will cease after the completion of Step 3a." The details of each step and how they relate to the site ERA are described in the sections below.

The ERA process culminates in clearly defined scientific management decision points (SMDPs). The SMDPs represent critical steps where risk management decision-making occurs. Generally, the following types of decisions are considered at the SMDPs:

1. Whether the available information is adequate to conclude that ecological risks (if any) are negligible and, therefore, there is no need for further action on the basis of ecological risk.
2. Whether the available information is inadequate to make a decision at this point and the ecological risk assessment process should continue.
3. Whether the available information indicates a potential for adverse ecological effects and a more thorough assessment or remediation is warranted.

The remainder of the ERA is organized as follows:

- Ecological Risk Assessment Data Set Evaluation –discusses the dataset in the ERA used for each medium;
- Screening Level Ecological Risk Assessment –discusses the steps taken in the SLERA and identifies results that would indicate the need for a more refined BERA; and
- Baseline Ecological Risk Assessment–discusses the steps taken in the BERA.

9.2 Ecological Risk Assessment Dataset Evaluation

This section discusses the methods used in compiling and summarizing the ecological risk assessment datasets.

9.2.1 Data Evaluation

Data generated from the site characterization activities were evaluated for use in the ERA. The data were evaluated following USEPA guidance for data usability (USEPA 1992). The following was considered in that assessment: data quality, sample type, sample date, data qualifications, and the vertical and spatial distribution of the data.

9.2.1.1 Data Quality

Data from all site investigation activities at the site were considered for inclusion in the ERA.

9.2.1.2 Sample and Result Type

The following criteria were employed to determine whether a particular sample result is usable for risk assessment purposes

- All soil sample types (hand auger or continuous core, direct-push, Geoprobe®) were considered usable for the ERA.
- For duplicate samples, the result to be used in the ERA was selected as follows: (1) if both samples reported positive detects, the higher measured analytical concentration was used, (2) if only one result was a positive detect, that concentration was used, or (3) if both samples reported non-detects, the lower sample quantitative limit (SQL) was used as the proxy concentration. The lower SQL was used because it is not reasonable to use the higher SQL when the duplicate analysis for the sample indicated that the constituent was not present at the lower SQL.

9.2.1.3 Sample Date

All soil, sediment, and surface water were included in the ERA datasets regardless of age. Since recent groundwater data is available, groundwater data from the most recent sampling events only were included.

9.2.1.4 Evaluation of Data Qualifiers

Laboratory-qualified data with the following data qualifiers were retained within the dataset:

- J – concentration is estimated
- U – analyte was not detected at the reporting limit.

9.2.1.5 Evaluation of Vertical and Spatial Data Distribution

Surface soil data from the green space at the site was gathered to represent the ecological risk assessment dataset (Figure 9-3). The surface soil risk assessment dataset includes only those samples collected from the ground surface to a depth of

one foot bgs, consistent with the preferences of GAEPD. Soil samples collected from depths greater than one foot bgs are not considered because wildlife typically inhabit only the uppermost portion of the soil column (USEPA 1993a,b).

Groundwater data from wells in the near vicinity of the pond screened in the surficial aquifer were gathered to represent the groundwater ecological risk assessment dataset.

9.2.2 Risk Assessment Datasets

The ecological risk assessment datasets for surface soil (Table 9-1), sediment (Table 9-2), surface water (Table 9-3), and groundwater (Table 9-4) were compiled and evaluated using the methods described above. The risk assessment datasets were then summarized to identify the following descriptive statistics: the number of detects, the number of samples, the frequency of detection (FOD), the minimum and maximum detected concentrations, the location of maximum detected concentration, and the minimum and maximum reporting limits. A brief summary of the dataset for each medium is discussed below.

9.2.2.1 Surface Soil

The surface soil dataset includes samples collected from 2003 to 2006. A total of 9 samples are included in the dataset. Analytical results for these surface soil samples are presented in Table 9-1 and summarized in Table 9-5. All surface soil sample locations are depicted on Figure 9-3.

Acetone was the only VOC detected in soil. Several poly-aromatic hydrocarbons (PAHs) and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) were detected in surface soil.

9.2.2.2 Sediment

The sediment dataset includes samples collected in October 2005 and February 2006. A total of 9 sediment samples were collected from 9 locations at the site. Analytical results for these sediment samples are presented in Table 9-2 and summarized in Table 9-6. All sediment sample locations are depicted on Figure 9-3.

Acetone and 2-butanone (methyl ethyl ketone) were detected in several samples. Dichlorodifluoromethane was detected in two samples and toluene was detected in only one sample.

9.2.2.3 Surface Water

The surface water dataset includes samples collected from 6 locations in October 2005. Analytical results for these surface water samples are presented in Table 9-3

and summarized in Table 9-7. All surface water sample locations are depicted on Figure 9-3.

The only constituent detected in surface water at the site was methylene chloride and it was detected in one sample and not detected in the duplicate.

9.2.2.4 Groundwater

Based on available hydrogeological information, the groundwater dataset includes samples collected from wells within the surficial aquifer. The surficial aquifer is the only potential discharge zone of groundwater to surface water. The groundwater dataset includes 8 samples collected in February 2010 (Table 9-4). Analytical results for these groundwater samples are presented in Table 9-4 and summarized in Table 9-8. All shallow groundwater sample locations are depicted on Figure 9-3. The constituents detected in groundwater were acetone, cis-DCE, MTBE, and TCE.

9.3 Screening Level Ecological Risk Assessment

This SLERA conservatively estimates potential risks that may affect ecological receptors, including terrestrial and aquatic organisms. The SLERA typically compensates for uncertainty in a precautionary manner by incorporating numerous conservative assumptions. The outcome of the SLERA is the conclusion that either there is a high probability that ecologically significant risks are not posed to receptors, or further investigation in the form of a BERA is warranted. Consistent with USEPA (1997) guidance, the SLERA for the site is comprised of the following steps:

§ Section 9.3.1 – Step 1: Screening-Level Problem Formation

§ Section 9.3.2 – Step 1 continued: Screening Level Ecological Effects Evaluation

§ Section 9.3.3 – Step 2: Screening Level Exposure Estimate and Risk Calculation

§ Section 9.3.4 – Scientific Management Decision Point

9.3.1 Step 1: Screening-Level Problem Formulation

Step 1 of the SLERA consists of both a screening-level problem formulation and a screening-level ecological effects evaluation. The screening-level problem formulation presents background information on site characterization, receptors, ecosystem characteristics, as well as information on the sources and effects of the stressors (USEPA 1998). This information is used to develop a CSM that illustrates the potential relationships between stressors, pathways, and receptors such as:

- Environmental Setting
- Identification of Constituents Detected
- Description of Constituent Fate and Transport Pathways

- Description of Constituent Mechanisms of Ecotoxicity
- Description of Potentially Exposed Receptors
- Identification of Potentially Complete Exposure Pathways
- Selection of Generic Assessment and Measurement Endpoints

9.3.1.1 Environmental Setting

This section describes the ecological habitat at the site. As previously mentioned, the green space on the site is comprised of a landscaped, maintained area of oak trees and a 10-acre man made storm water pond (Pond 29 /Oglethorpe Lake) located at the western portion of the site which has been designated for recreational uses by the National Recreation Lake Study Commission (1999). The green space at the site provides terrestrial and aquatic habitat for ecological receptors.

Pond 29/Oglethorpe Lake was constructed in 1985 to catch storm water. The pond is 1,200 feet long and 400 feet wide thus covering approximately 10 acres. The maximum depth is 9 feet (Find Lakes 2010, USGS 2010). The pond is of earthen construction and thus has a soil bottom and is contained by an earthen dam. According to the USGS study of ponds at HAAF (USGS, 2010), the pond captures runoff from Hickam Boulevard, Douglas Street, and Strachan Avenue. The report explains that storm water enters the pond along the eastern shore from a ditch perpendicular to Douglas Street, and after periods of prolonged, heavy rainfall, water discharges from the pond through an overflow culvert into a ditch along the western shore, downstream from the dam. The report also mentions that numerous tree stumps are present along the bottom of the pond and that the volume of water stored and its surface area varies as the pond stage changes.

The pond is maintained and the surrounding area is mowed within a few feet of the edge of the pond. The Lake is stocked with: Largemouth Bass, Bluegill Sunfish, Redear Sunfish, Channel Catfish. It is also stocked with Grass Carp for aquatic weed control but it is prohibited from harvesting (Find Lakes, 2010). Further, in the photo of the pond published in the USGS report for HAAF lakes, Canadian Geese (*Branta canadensis*) can be seen utilizing the pond (USGS, 2001).

9.3.1.2 Identification of Constituents Detected

Surface soil, sediment, surface water, and groundwater are the environmental media associated with the site with which contact by ecological receptors is possible. Groundwater collected within the surficial aquifer is evaluated in this ecological assessment because the potential exists for groundwater to discharge into surface water or to seep to the surface soil; as a result, ecological receptors could become

exposed to constituents in groundwater when groundwater seeps into surface water. A summary of data for each medium is presented in Tables 9-5 through 9-8.

9.3.1.3 Description of Constituent Fate and Transport Pathways

Knowledge about the potential constituent fate and transport pathways is vital to understanding which constituents and receptors are associated with complete exposure pathways. This is because a constituent may reach an ecological receptor in a variety of ways. In addition, the pathway and route of exposure may have a strong influence on the ecological effect of a constituent. This information is used in the development of a CSM. Constituent fate and transport pathways for the site are illustrated on the CSM (Figure 9-4).

9.3.1.4 Description of Constituent Mechanisms of Ecotoxicity

The mechanisms of ecotoxicity for constituents vary depending on a wide range of factors, such as constituent concentrations, the receptor species exposed, the exposure route (e.g., ingestion or direct contact), and physical factors (e.g., pH, temperature, oxygen levels, water hardness). Some of the effects that could be observed in wildlife are mortality, reduced reproductive ability, decreased fertility, decreased offspring survival, alteration of immune and behavioral function, decreased hatching success of eggs/larvae, and retarded growth (Sample et al. 1996, USEPA 2001b). The remainder of this subsection discusses mechanisms of ecotoxicity for VOCs, PAHs, and metals, which are the classes of compounds detected at the site. These descriptions of constituent mechanisms of toxicity are presented without consideration of constituent concentrations, as the descriptions are intended to convey an understanding of possible effects, rather than to describe the concentrations at which these effects might occur.

Volatile Organic Compounds – VOCs tend to attenuate rapidly in surface soil, sediment surface water, and groundwater due to their inherent volatility. Although the effects of VOCs on ecological receptors are not well-understood, there have been extensive inhalation studies of the effects of VOCs under laboratory conditions. Inhaled volatile organics are typically metabolized in the body (often the liver), which may cause liver damage (depending on the organism) or the release of more toxic secondary metabolites. The VOCs or their metabolites may also cause neurological damage, and many are mutagenic or carcinogenic. Additionally, some VOCs are fetotoxic and/or teratogenic (USEPA 2005; Sample et al. 1996).

Polynuclear Aromatic Hydrocarbons (PAHs) – PAHs (such as benzo(a)pyrene, chrysene, fluoranthene, and pyrene) are often released as a result of human activities, such as the incomplete combustion of fossil fuels or other organic materials. Some of

these compounds are persistent and are known to be mammalian carcinogens, though the ecological effects of PAHs that are not carcinogenic are not well understood. Primary non-point sources of PAHs to the environment are aerial fallout (or rainout), road runoff (from the wear and leaching of asphalt, tire wear, vehicle exhaust, and dripping vehicle fluids), and combined storm sewer runoff (domestic sewage contains some PAHs). Most PAHs are sorbed to solid particles in the environment, which radically reduces the bioavailability and toxicity of the sorbed PAHs. PAHs may be transformed by biotic and abiotic processes in the environment, and may bioaccumulate. PAHs have been shown to cause changes in liver enzymes and to perturb cell membranes but, in general, are not viewed as acutely toxic. Sublethal effects attributed to PAHs in aquatic animals include reduced reproductive ability and fertility, developmental abnormalities, delayed or retarded maturation, histological changes, and carcinogenesis (Neff, 1985).

Inorganics – Many trace inorganics (e.g., cobalt, copper, chromium, iron, manganese, nickel, molybdenum, selenium, and zinc) are important in plant and animal nutrition, but the optimal concentration ranges are usually narrow (Leland and Kuwabara 1985). Other inorganics are nonessential, such as lead, cadmium, and mercury, and are toxic to receptors at very low concentrations.

Mechanisms of toxicity of inorganics to plants tend to depend on the nature of the reactivity of the inorganic itself (Efroymson et al. 1997a). They may alter or inhibit enzyme activity, interfere with deoxyribonucleic acid (DNA) synthesis or electron transport, or block uptake of essential elements. Little is known about mechanisms of toxicity of constituents in earthworms (Efroymson et al. 1997b).

Trace metals (such as arsenic, barium, beryllium, chromium, copper, lead, and zinc) are better understood than some classes of organic compounds with respect to their potential adverse impacts on aquatic wildlife (Newman 1998). Chromium, copper, and zinc are essential for healthy enzyme function, and some organisms cannot survive without these metals. However, these naturally occurring constituents may cause adverse effects when exposure occurs at concentrations that significantly exceed background concentrations. The toxicity and effects of trace metals may be greatly influenced by pH, hardness, and organic carbon content of the water in which they occur (Leland and Kuwabara 1985).

Imbalances in the essential trace metals may cause a decrease in photosynthetic ability, poor spawning/hatching success, teratogenesis, susceptibility to predation and disease, reduced growth, mortality, histopathological changes, organ dysfunction of the liver or kidneys, neurological defects, changes in respiration and osmoregulation, and anemia. Some metals may bioaccumulate, but this mechanism is thought to be a less important ecological concern. Because these constituents are naturally occurring,

many organisms have a capacity (albeit limited) to biotransform and/or eliminate naturally occurring inorganics (Newman 1998; Leland and Kuwabara 1985).

9.3.1.5 Description of Potentially Exposed Receptors

The identification of the categories of receptors most likely to be exposed helps to focus the SLERA. Potentially exposed receptors are designated based on the available habitat associated with the site. Section 9.3.1.1 provides a description of the habitat associated with the site as well as wildlife observed or potentially present in these habitats. As described above and presented in the ERA CSM, potentially exposed receptors include terrestrial wildlife (i.e., mammals, birds, reptiles, and invertebrates), terrestrial plants, and aquatic biota (fish and invertebrates directly exposed to surface water and sediment).

As part of the identification of potentially exposed receptors, it is necessary to identify protected species that may be exposed to site constituents. The listings of threatened and endangered as well as tracked, rare, and unusual species were obtained from the Georgia Department of Natural Resources (GADNR, 2010) and the US Fish and Wildlife Service (USFW, 2010) online databases for Chatham County. The list of threatened and endangered species is presented in Table 9-9. No threatened or endangered species were identified at the site, and the habitat present at the site was found not to be suitable to support threatened or endangered species. The site may potentially offer foraging habitat for a wood stork. These results are also presented in Table 9-9.

9.3.1.6 Identification of Potentially Complete Exposure Pathways

A complete exposure pathway is "one in which the chemical can be traced or expected to travel from the source to a receptor that can be affected by the chemicals" (USEPA 2001c). Therefore, a constituent, its release and migration from the source, a receptor, and the mechanisms of toxicity of that constituent must be demonstrated before a complete exposure pathway can be identified. The table below summarizes the potential exposure routes for the site (also illustrated on Figure 9-4).

Organism	Possible Exposure Routes
Terrestrial wildlife	Ingestion, direct contact, and food chain
Terrestrial plants	Direct contact, uptake
Aquatic wildlife	Ingestion and direct contact with sediment and surface water, and food chain
Aquatic plants	Direct contact with and uptake from sediment and surface water

9.3.1.7 Selection of Generic Assessment and Measurement Endpoints

Assessment endpoints are the explicit expression of the ecological values to be protected (USEPA 1997). The selection of assessment endpoints depends on knowledge of the receiving environment, knowledge about the constituents released (including their toxicological properties and the relevant concentrations), and understanding of the values that will drive risk management decisions (Suter et al. 1995). Consistent with USEPA (1998) guidance, two elements are required to define an assessment endpoint: the specific valued ecological entity and the characteristic about the entity that is important to protect.

USEPA guidance provides that Superfund remedial actions should be designed not to protect organisms on an individual basis, but to protect local populations and communities of biota (USEPA 1999). Thus, the first management principle for conducting an ecological risk assessment is to provide a basis for selecting a response action "that will result in the recovery and/or maintenance of healthy local populations/communities of ecological receptors that are or should be present at or near the site" (USEPA 1999). The USEPA (1999) guidance also notes, as an exception to this rule, that threatened and endangered species may be evaluated on an individual basis. In concept, however, this focus is justified on the basis that, given the stressed nature of a threatened and endangered population, effects on individuals could impact the local population.

For the site, assessment endpoints include the following:

§ Sustainability of small mammal populations;

§ Sustainability of avian populations;

§ Sustainability of terrestrial plant communities; and

§ Sustainability of aquatic communities (i.e., fish and invertebrates)

Because direct measurement of assessment endpoints is often difficult or infeasible, surrogate endpoints, called measurement endpoints, are used to provide the information necessary to evaluate whether the values associated with the assessment endpoint are being protected. A measurement endpoint is defined as a measurable ecological characteristic and/or response to a stressor (USEPA 1998). Maximum HQs serve as the measurement endpoints for the SLERA. The maximum HQ is the ratio of the maximum concentration of a given constituent to its ESV. ESVs are chemical concentrations in environmental media below which there is negligible risk to receptors exposed to those media (USEPA 2000a).

ESVs are generally based on effects such as mortality and reproductive impairment, and are assumed to be widely applicable to sites around the United States for screening purposes (USEPA 1997). For most constituents and receptors, the data available to generate ESVs are limited and related to effects on individual organisms, rather than subpopulations or communities. Given these limitations, conservative assumptions are used to ensure that the ESVs are protective. Where ESVs are published, users are cautioned to recognize that such screening values do not constitute remediation goals, as they are sometimes based on highly conservative exposure assumptions and/or wildlife receptors that may not be applicable to a particular site. As such, their robustness and biological association with the assessment endpoint may be limited.

9.3.2 Step 1, continued: Screening-Level Ecological Effects Evaluation

The screening-level ecological effects evaluation involves the identification of ESVs for each detected constituent in each environmental medium at the site. ESVs are chemical concentrations in environmental media, below which there is negligible risk to receptors (USEPA 2000a). As described above, ESVs are based on conservative assumptions in order to ensure that the values are protective and applicable to a wide variety of sites. Regardless, ESVs provide a starting point for the SLERA as they provide an indication of the worst-case measure of the potential for adverse impacts. ESVs for groundwater are not available because ecological receptors are typically not exposed to groundwater. As a result, surface water ESVs will be used to screen groundwater concentrations that discharge into surface water or seep into surface soil.

The ESVs used for this SLERA are consistent with GAEPD recommendations for HSRA:

- Soil and sediment ESVs were identified from the USEPA Region 4 Ecological Screening Values (R4; USEPA 2001b).
- Surface water ESVs were identified from GAEPD Water Use Classifications and Water Quality Standards (GAEPD 391-3-6-.03). Where GAEPD values were not available, then the USEPA Region 4 Ecological Screening Values (USEPA 2001b) were used.

It should be noted that these values represent only highly conservative ESVs, as is appropriate for a SLERA (USEPA 1997; 1998; 2000a). These ESVs do not represent the range of ESVs that are available from a variety of other regulatory and scientific sources.

9.3.3 Step 2: Screening-Level Exposure Estimate and Risk Calculation

The screening-level exposure assessment is comprised of the identification of exposure estimates, risk calculations, and the evaluation of uncertainties (USEPA 1997, USEPA 2001a). These form the lines of evidence necessary to support the SMDP at the conclusion of the SLERA (Section 9.3.4).

9.3.3.1 Identification of Screening-Level Exposure Estimates

Exposure estimates for the SLERA use the maximum detected concentrations for each constituent (USEPA 1997, USEPA 2001a). This conservative approach (i.e., using only the maximum detected concentrations) is appropriate for a screening-level effort. Exposure estimates for surface soil, sediment, surface water, and groundwater are presented in Tables 9-4 through 9-8, respectively.

9.3.3.2 Screening-Level Risk Calculations

The screening level risk calculations provide an estimate of potential risk to ecological receptors. Risks to ecological receptors are calculated by dividing the exposure estimates (i.e., the maximum detected concentrations) by the conservative ESVs. The resulting ratio, the HQ, is a highly conservative surrogate for the assessment endpoints identified in Section 9.3.1.7. HQs equal to or less than a value of 1 (to one significant figure) indicate that adverse ecological impacts are unlikely (USEPA 1997). HQs greater than 1 indicate that further evaluation is warranted. Therefore, the constituents with HQs greater than 1 are carried forward as COPECs into Step 3a of the BERA.

The following sections discuss the SLERA COPEC selection process per media:

9.3.3.2.1 Surface Soil

Several constituents had maximum HQs greater than 1 (Table 9-10), as summarized below, and therefore these constituents were identified as SLERA COPECs for surface soil.

Summary of Maximum Hazard Quotients Greater Than 1

Constituent	Maximum HQs for Surface Soil
Benzo(a)pyrene	4
Bis(2ethylhexyl)phthalate	2
Fluoranthene	8
Total Chromium	10
Lead	100
Elemental Mercury	10

Further, there were several constituents that lacked ESVs; therefore, they were also identified as COPECs (Table 9-10) and those were: acetone, acenaphthylene, benz(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,4-cd)pyrene.

9.3.3.2.2 Sediment

Acetone , 2-butanone, dichlorodifluoromethane, and toluene were the only detected constituents in sediment. They were all identified as COPEC due to lack of ESVs (Table 9-11).

9.3.3.2.3 Surface Water

Methylene chloride was the only detected constituent in surface water and it had a maximum HQ of 0.008. Therefore, it was not identified as a SLERA COPEC (Table 9-12). Based on these considerations, risk from exposure to surface water for ecological receptor was considered acceptable. As a result surface water will not be evaluated further in the ERA.

9.3.3.2.4 Groundwater

The HQ for TCE in groundwater was at the target level of 1; therefore TCE was not considered a SLERA COPEC in groundwater (Table 9-13). Three constituents: acetone, cis-DCE, and MTBE were identified as SLERA COPECs in groundwater (Table 9-13) because they did not have ESVs identified in the SLERA.

9.3.3.3 Evaluation of Uncertainties

SLERAs are designed to provide estimates of the risks that may exist for ecological receptors and to incorporate uncertainty in a precautionary manner. Uncertainty is “the imperfect knowledge concerning the present or future state of the system under consideration; a component of risk resulting from imperfect knowledge of the degree of hazard or of its spatial and temporal distribution" (USEPA 1997). Uncertainties that may lead to either an overestimate or underestimate of risk are associated with each stage of risk assessment. Because the SLERA is intended to provide a precautionary approach to evaluating risks to ecological receptors, the majority of the SLERA uncertainties tend toward an overestimate of risk. Uncertainties associated with the SLERA are identified on Table 9-14.

9.3.4 Scientific Management Decision Point

The SMDP represents a critical step in the ecological risk assessment process where risk management decision-making occurs (Figures 9-1 and 9-2). The selection of the SMDP occurs after either Step 2 or Step 3a, so that additional evaluation of risks can

be conducted if needed and reporting can be streamlined into a single report (USEPA 2001). Generally, the following types of decisions are considered at this SMDP:

- Whether the available information is adequate to conclude that ecological risks are negligible and, therefore, there is no need for remediation to mitigate ecological risks.
- Whether the available information is not adequate to make a decision at this point, and the ecological risk assessment process should continue.
- Whether the available information indicates a potential for adverse ecological effects, and a more thorough assessment or remediation is warranted.

If the SMDP indicates that either information is not adequate to make a decision or information indicates a potential for adverse ecological effects, then the ERA process should continue.

As described above, the SLERA for the site identified several COPECs in surface soil, sediment, and groundwater due either to them having maximum HQ greater than 1 or not having identified ESVs. Therefore, the possibility of adverse ecological risks for ecological receptors cannot be ruled out, and the initial step of a BERA is warranted.

9.4 Baseline Ecological Risk Assessment

The BERA is designed to more realistically identify the nature and extent of ecological risks in order to support informed risk management decision-making (USEPA 1997, 2000a). This approach contrasts with the SLERA, which is designed to conservatively rule out further evaluation of constituents and media that clearly do not pose a significant ecological risk. As indicated on Figures 9-1 and 9-2, the BERA process involves numerous steps. These steps are executed in a manner appropriate to the conditions at any individual site (USEPA 1997, 2000a).

The USEPA process shows that the BERA begins with Step 3, the Problem Formulation (Figure 9-1). A more detailed look at the Step 3 shows that it is typically divided into Step 3a and Step 3b (Figure 9-2). “Step 3a serves to introduce information to refine the risk estimates from Steps 1 and 2. For the majority of sites, ERA activities will cease after Step 3a” (USEPA 2000a). Step 3a provides a “reality check” so that “sites that do not warrant further study are not carried forward” (USEPA 2000a). Step 3b, the “additional problem formulation” is initiated only for those sites that warrant further study.

This section presents Step 3a of the BERA for the site. This approach is consistent with the following ecological risk assessment guidance and guidelines:

§ Georgia Environmental Protection Division (GAEPD). Georgia Hazardous Sites Response Act (HSRA). Compliance Status Report (CSR) 391-3-19-.06(3) Regulations.

§ *ECO-Update: Role of Screening-level Risk Assessments and Refining Contaminants of Concern in Baseline Ecological Risk Assessments* (USEPA 2001a)

§ *Ecological Risk Assessment Guidance for Superfund* (USEPA 1997)

§ *Guidelines for Ecological Risk Assessment* (USEPA 1998)

Step 3a involves a refinement of the Step 2 exposure estimates and risk characterization and focuses only on COPECs that were not screened out in the SLERA. Step 3a is followed by a SMDP that involves the reporting of results of Steps 1 through 3a. The Step 3a discussion for the site is comprised of the following:

- Refinement of Constituents of Potential Concern
- Refinement of Risk Calculations for Direct Contact COPECs
- Assessment and Measurement Endpoints for Bioaccumulative COPECs
- Refinement of Uncertainties
- Scientific Management Decision Point

9.4.1 Refinement of COPECs

The refinement of the COPECs identified in the SLERA is necessary to help focus and streamline further risk assessment activities on the constituents that pose the greatest potential risk to ecological receptors (USEPA 1997, 2001a). It is intended as an "incremental iteration of exposure, effects, and risk characterization" (USEPA 2001a). The outcome of this screening is that constituents are either excluded as COPECs or retained for further evaluation in the BERA process. The process for refining the COPECs generally consists of two steps: 1) the comparison of maximum detected concentrations with background concentrations for each medium; and 2) the comparison of the exposure point concentration (EPC) with established conservative ESVs. The comparison to background step is applicable for inorganic constituents, and is not applicable for organic constituents, under most circumstances, unless the organic constituent(s) occurs in background or upgradient media that are unaffected by the site.

9.4.1.1 Comparison to Background

Comparison to background concentrations is not appropriate for organic compounds because these constituents are not naturally occurring. Background levels of the soil

SLERA COPECs, chromium, lead, and mercury were identified from the Final Compliance Status Report for the Fire Training Station at HAAF (Law, 2002). The maximum concentration of chromium at 5.1 mg/kg was below the background chromium level of 7.1 mg/kg; therefore, chromium was not selected as a BERA COPEC. The maximum level of mercury at 1.4 mg/kg was above the background level of 0.49 mg/kg. Mercury was detected in 2 locations out of 7 (S0018 and S0018A) at concentrations exceeding the background level of 0.39 mg/kg. As for lead, the maximum level of 5,300 mg/kg was clearly higher than background. The second highest detect was 200 mg/kg.

9.4.1.2 Exposure Point Concentrations

USEPA (1989) defines the EPC as "the arithmetic average of the concentration that is contacted over the exposure period." To ensure that the estimate of the average (or mean) is conservative and not underestimated, USEPA (1989, 1992) recommends using the 95% upper confidence limit (UCL) of the mean as an estimate for the EPC. Statistical software provided by USEPA (i.e., ProUCL) has, to some extent, automated the process of calculating 95% UCLs and selecting the most representative statistic based on characteristics of the data set such as sample size, measures of variance, and FOD. The most recent available version of the ProUCL software (version 4.00.05, USEPA 2010) was utilized to calculate EPCs for each COPEC evaluated in the BERA. ProUCL outputs are presented in Appendix H. The EPCs were then used to recalculate HQs.

9.4.2 Refinement of Risk Calculations for Direct-Contact COPECs

COPECs can be further refined for direct-contact by recalculating HQs using the EPC with an expanded range of ESVs, or alternative ESVs (ASVs), where available and appropriate.

The ASVs were selected following GAEPD HSRA guidance first and then where screening vales were not available, they were selected from various established literature sources, as follows:

- Soil ASVs were identified from the USEPA Region 5 Ecological Screening Levels (R5 ESL) (USEPA 2003a). USEPA Ecological Soil Screening Levels (EcoSSL); (USEPA 2005) were also used to refine the risk in some instances. The USEPA EcoSSLs are conservative screening values based on No Observed Adverse Effect Levels (NOAELs) for a variety of wildlife receptors (USEPA 2005).
- Sediment ASVs were identified from the USEPA Region 5 ESLs (USEPA 2003a), then from the National Oceanic and Atmospheric Administration

(NOAA) Screening Quick Reference Table (SQuiRT; NOAA 2008), in order of priority.

- Surface water ASVs were identified USEPA Region 5 ESLs (USEPA 2003a), USEPA Region 3 Ecological Screening Benchmarks (USEPA 2006), Oak Ridge National Laboratory (ORNL) screening benchmarks (Suter and Tsao, 1996), and Texas Commission on Environmental Quality (TCEQ), Texas Surface Water Quality Standards (TCEQ, 2000), in order of priority.

The following sections discuss the results of the BERA risk calculations per media:

9.4.2.1.1 Surface Soil

Several constituents were identified as SLERA COPECs because they lacked ESVs. When ASVs were identified for acetone, acenaphthylene, benz(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,4-cd)pyrene, none of these constituents were identified as BERA COPECs (Table 9-15) as they all had HQs lower than the target level of 1.

Benzo(a)pyrene, bis(2ethylhexyl)phthalate, fluoranthene, chromium, lead and mercury were identified as SLERA COPECs with maximum HQs of 4, 2, 8, 10, 100, and 10, respectively. When the HQs were recalculated using UCLs and ASVs, they were 0.1, 0.2, 0.003, 10, 100,000 and 10, respectively. Since the HQs for benzo(a)pyrene , bis(2-ethylhexyl)phthalate, fluoranthene were less than the target of 1, they were not identified as BERA COEPCs. As discussed in the previous section, chromium was eliminated as a COPEC because the maximum detected concentration was less than the established background level. Therefore, lead and mercury were the only two constituents identified as BERA COPECs in surface soil (Table 9-15). Risks from those two COPECs are discussed beneath:

Lead

The HQ for lead using the R5 ESLs as the ASVs was 100,000 while it was 100 using the R4 ESVs. If calculated, an HQ for background lead (53 mg/kg) using the R5 ESL (0.0537 mg/kg) is approximately 986. Further, USEPA EcoSSLs for lead range from 11 to 1,700 mg/kg, i.e., the lowest EcoSSL (11 mg/kg) is orders of magnitude larger than the R5 ESL (0.0537 mg/kg). Thus, the R5 ESL drastically overestimates risk.

Lead was detected in all 10 samples with a maximum detection of 5,300 mg/kg. Using the maximum detect, the HQ for lead was 100 and 100,000, using R4 and R5 ESVs, respectively. The second highest detect was 200 mg/kg which would result in HQs of 4 using the R4 ESV. However, calculated HQs using the second highest detect of 200

mg/kg and USEPA EcoSSL (USEPA, 2005b) ranged between 0.1 and 20 and are presented below by feeding guild:

HQs Calculated Using EcoSSLs for Lead

Receptor Group		EcoSSL (mg/kg)	2nd max HQ (unitless)
Avian			
	Herbivore	46	4
	Ground insectivore	11	20
	Carnivore	510	0.4
Mammalian			
	Herbivore	1200	0.2
	Ground insectivore	56	4
	Carnivore	460	0.4
Soil Invertebrates		1700	0.1
Plants		120	2

EcoSSLs from USEPA (2005b).

Potential risk to ecological receptors from exposure to lead in surface soil cannot be ruled out considering the current site conditions. However, the extent of elevated lead at the site has been evaluated and found to be localized.

Elemental Mercury

Elemental Mercury was detected in 9 of 9 samples, with a maximum concentration of 1.4 and a UCL of 1.04 mg/kg. The established background mercury level at the site was 0.39 mg/kg (Law, 2002). The HQ calculated using the UCL and the R4 ESV and R5 ESL (both 0.1 mg/kg) for elemental mercury is 10 (Table 9-15). When calculated, an HQ for background elemental mercury is 4. Thus the R4 ESV and the R5 ESL overestimates risk to these receptors.

The R4 ESV and R5 ESL were derived by Efroymson et al (1997a) for the toxicity of elemental mercury to soil invertebrates (i.e, earthworms). Efroymson et al. (1997) used a lowest observed effect concentration (LOEC) (based on survival) of 0.5 mg/kg and applied an uncertainty factor of 5. The benchmark of 0.1 mg/kg has low confidence due to the limited amount of data.

Given the conservative assumptions in the ESV and ESL, consideration of natural background concentrations relative to the ESV and ESL, and the fact that elemental mercury was detected in 2 locations out of 7 (S0018 and S0018A) at concentrations exceeding the background level of 0.39 mg/kg, adverse impacts associated with mercury via direct contact are not considered likely.

9.4.2.1.2 Sediment

Acetone , 2-butanone, dichlorodifluoromethane, and toluene were identified as SLERA COPECs in sediment (Table 9-11) because they lacked ESVs. In the BERA, after ASVs were identified for these constituents; their refined HQs were 7, 0.6, 0.4, and 0.007, for acetone, 2-butanone, dichlorodifluoromethane, and toluene, respectively (Table 9-16). Since the HQs for 2-butanone, dichlorodifluoromethane, and toluene were all below the target level of 1, they were not identified as BERA COPECs. However since the HQ for acetone was 7, which is greater than the target of 1, it was identified as a BERA COEPC. Risk from Acetone is discussed beneath:

Acetone

Acetone was detected in 9 of 9 samples at a maximum concentration of 0.082 mg/kg with a UCL of 0.0657 mg/kg. Acetone is a common laboratory contaminant and its detection in the sediment sample is not considered to be site related. The HQ of 7 was calculated using an EPC and the R5 ASV. The R5 sediment screening level for this VOC was calculated by the USEPA using the equilibrium partitioning approach.

The equilibrium partitioning approach was developed by USEPA (Di Toro et al., 1991) to allow the development of sediment quality values for hydrophobic organic chemicals. This standard approach uses the mass fraction of organic carbon in sediment (f_{oc}) and the chemical-specific partition coefficient between water and organic carbon (K_{oc}) to calculate sediment quality benchmarks as follows:

$$\textit{Sediment quality benchmark} = \textit{Water quality benchmark} \times K_{oc} \times f_{oc}$$

This approach assumes that the bioavailable fraction of non-polar organic chemicals is equivalent to the fraction of the sediment concentration that is freely dissolved in interstitial water, and that the freely dissolved fraction is determined primarily by the extent of partitioning to organic carbon. The applicability of the equilibrium partitioning approach to non-polar nonionic organic chemicals has been extensively validated by USEPA (2003b; 2003c).

Because acetone is less strongly hydrophobic than the compounds for which the equilibrium partitioning approach was originally developed, a modification of the equilibrium partitioning approach developed by Fuchsman (2003) was employed in the BERA. The original equilibrium partitioning equation (provided above) is ineffective for assessing less-hydrophobic organic compounds in sediment (like acetone), because it fails to account for the contribution of dissolved chemical to the total chemical concentration in sediment. For chemicals having low K_{oc} values, this results in sediment quality benchmarks that are more conservative than benchmarks calculated by assuming 100% bioavailability. The following equilibrium partitioning equation

corrects for the dissolved fraction of total chemical concentrations in sediment (Fuchsman, 2003) and this equation was used to calculate a sediment quality benchmark for acetone:

$$SQB = WQB \times \left[\left(f_{OC} \times K_{OC} \right) + \left(\frac{1 - f_{solids}}{f_{solids}} \right) \right]$$

Where SQB = Sediment quality benchmark (mg/kg);
WQB = Water quality benchmark (mg/L);
f_{oc} = Fraction of sediment present as organic carbon (unitless);
K_{oc} = Organic-carbon/water partition coefficient (L/kg); and
f_{solids} = Fraction of sediment present as solids (unitless).

The Koc value for acetone was obtained from the USEPA EPISuite program (Version 3.11; USEPA, 2004) and is 1.98. A sediment organic carbon content of 1% and a solids content of 50% were assumed (Fuchsman, 2003). The identification of the water quality benchmark is described below.

In the absence of state surface water quality standards, criteria, or benchmarks for acetone, the following USEPA R5 surface water ESL was used as the water quality benchmark for acetone: 1.7 mg/L.

The sediment quality benchmark for acetone was then calculated using these inputs and the modified equilibrium partitioning equation (Fuchsman, 2003) (provided above). The sediment quality benchmark for acetone is 1.7 mg/kg. The maximum detected sediment concentration for acetone (0.082 mg/kg) is less than the calculated sediment quality benchmark (1.7 mg/kg). Based on this evaluation, the detected concentrations of acetone in sediment samples are not expected to represent an ecological risk.

9.4.2.1.3 Groundwater

Three constituents, acetone, cis-DCE and MTBE were identified as SLERA COPECs in groundwater (Table 9-13) because they did not have ESVs identified in the SLERA. Using ASV, the HQs for acetone, cis-1,2-dichloroethene, and MTBE were 0.01, 0.002 and 0.0007, respectively. Since all constituents had a HQ lower than the target level of 1, no BERA COPECs were identified for groundwater. Therefore, risk from exposure to groundwater that would seep into surface water for ecological receptors was considered acceptable.

9.4.3 Refinement of Assessment and Measurement Endpoints for Bioaccumulative COPECs

The assessment and measurement endpoints from the SLERA can be refined for bioaccumulative COPECs carried into Step 3a of the BERA. Bioaccumulative COPECs

are those constituents that may have toxic effects when they transfer through the food chain. The SLERA assessment and measurement endpoints should be refined for bioaccumulative COPECs because the SLERA endpoints are general in nature and do not necessarily identify receptors that are susceptible to food chain exposures. BERA assessment endpoints for bioaccumulation are based on receptors appropriate to the habitat present at a site, as well as the media in which bioaccumulative COPECs are identified. The measurement endpoints will depend upon the species potentially exposed to the COPECs, the medium or media through which trophic transfer(s) may occur, and the mechanisms of ecotoxicity for the COPECs. Food chain modeling is only conducted where wildlife habitat is present, and potential for exposure to bioaccumulative constituents exists for a given receptor group.

None of the three COPECs identified (i.e., acetone, lead, and mercury) are included in the USEPA list of bioaccumulative compounds (USEPA 2000b). However, methyl mercury is considered bioaccumulative and as such mercury was also considered bioaccumulative in this assessment. However, food chain modeling was not conducted because even though mercury was identified as a COPEC using conservative ESVs, consideration of natural background concentrations relative to the ESVs, and the fact that mercury was detected in 2 locations out of 7 (S0018 and S0018A) at concentrations exceeding the background level of 0.39 mg/kg, adverse impacts associated with mercury via bioaccumulation in the food chain are not considered likely.

9.4.4 Refined Uncertainties

A BERA is designed to evaluate potential risks for ecological receptors by incorporating iterative changes that reduce uncertainty (when possible) and provides more realistic exposure assumptions. Uncertainties associated with the BERA are summarized on Table 9-14.

9.4.5 Scientific Management Decision Point

SMDPs represent critical steps in the ecological risk assessment process where risk management decision-making occurs. As was discussed previously and can be seen on Figures 9-1 and 9-2, the first SMDP is purposefully flexible (per the USEPA paradigm) to allow reporting to occur after either Step 2 or Step 3a, depending on the results obtained in Step 2. Step 2 indicated that adverse impacts to terrestrial and aquatic ecological receptors were unlikely from potential exposure to surface soil, surface water, and sediment but that groundwater needed further evaluation. Step 3a of the BERA was conducted for constituents whose maximum HQ values exceeded 1 or those who did not have ESVs. Step 3a of the BERA provides adequate information to determine that adverse impacts for ecological receptors from exposure to sediment,

surface water, and groundwater seeping into surface water are not likely. However results indicate that adverse impacts are possible for ecological receptors potentially exposed to surface soil at the site; specifically due to levels of lead and to a lesser extent mercury in soil. However, the potential risks calculated for this exposure scenario were based on the conservative assumptions that these receptors would be chronically exposed throughout their lifetime.

9.5 Summary and Conclusions

This ERA presents the results of a SLERA and Step 3a BERA for ecological receptors at the site based on HQs. An HQ less than or equal to a value of 1 indicates that adverse impacts to wildlife are considered unlikely (USEPA 2001a). An HQ greater than 1 indicates that adverse effects of some kind may have occurred in the past or may occur in the future and that further analysis of potential ecological risks may be warranted.

Risks were characterized for ecological receptors at the site by considering direct contact with COPECs in surface soil, sediment, surface water, and shallow groundwater; and the potential for food chain exposures to bioaccumulative COPECs. The SLERA for the site identified several COPECs in surface soil, sediment, and groundwater due either to them having a maximum HQ greater than 1 or not having identified ESVs. Therefore, the possibility of adverse ecological risks for ecological receptors could not be ruled out, and the initial step of a BERA was warranted.

In Step 3a of the BERA, HQs for the COPECs were recalculated using the UCL as the EPC, where possible and by using ASVs. Three COPECs were identified in the BERA Step 3a: acetone in sediment, and lead and mercury in surface soil. After recalculating the sediment quality benchmark for acetone, using the modified equilibrium partitioning equation, it was evident that risk from acetone is not expected at the site because the maximum detected sediment concentration for acetone (0.082 mg/kg) is less than the calculated sediment quality benchmark (1.7 mg/kg). Likewise, risk from mercury in soil was not expected in consideration of the conservative ESVs used, the natural background concentrations relative to the ESVs, and the fact that mercury was detected in 2 locations out of 7 (S0018 and S0018A) at concentrations exceeding the background level. Step 3a of the BERA provides adequate information to determine that adverse impacts are possible for ecological receptors potentially exposed to surface soil at the site – specifically due to levels of lead in surface soil. However, the potential risks calculated for this exposure scenario were based on the conservative assumptions that these receptors would be chronically exposed throughout their lifetime. As additional data and information is gathered, the potential for soil to represent a potential ecological concern will be refined.

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Revision 1 – October 2011
Original Report – October 2010

10. Public Involvement

The opportunity for public involvement will be provided in accordance with GAEPD, 2003. *Hazardous Site Response*, Chapter 391-3-19-.06(5). A copy of the CSR will be made available to the public at the Live Oak Public Library, Chatham County, located at 2002 Bull Street, Savannah, GA 31419. Additionally, a public notice will be published in the Savannah Daily News and in The Frontline, a Fort Stewart publication announcing that the CSR is available for inspection by the public. A statement including the following will be included in the public notice:

"*The Georgia Environmental Protection Division, Department of Natural Resources, State of Georgia (GA EPD) has placed this site on the Hazardous Site Inventory pursuant to its authority under the Hazardous Site Response Act and Rules promulgated thereunder. As required by the Rules for Hazardous Site Response, the responsible party for this site was required to investigate the site and submit a compliance status report to GAEPD summarizing the results of that investigation. GAEPD is currently reviewing the compliance status report to determine if corrective action is needed for regulated substances that have been released at this site. Before GAEPD decides whether corrective action is needed, the public has the opportunity to review the compliance status report and provide comments to GAEPD about the report.*"

The notice will also include the announcement of a 30-day public comment period beginning on the date of the notice and will provide the location of the above referenced library where the CSR can be viewed. The public notice will also provide the name, address and telephone number of the responsible party or its designated contact person and the GAEPD contact person to whom written or oral comments can be made. The GAEPD will be provided with an exact copy of the public notice within 15 days of the publication of the notice. The Chatham County government will be provided with the same written notice within 7 days of the submittal of the CSR to the GAEPD.

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Original Report – October 2010

11. Conclusions and Recommendations

11.1 Conclusions

Based on the results of the MIP, DPT and groundwater sampling results from existing and new monitor wells, two source areas have been identified. The first source was determined to be located in the Hangar T-811 area where TCE was used as a cleaner and solvent as part of previous operations. Hangar T-811 was constructed in the early 1940's but it is unknown for how long and at what quantities TCE was utilized in this building. Historically, TCE used at Hangar T-811 was discharged to a grease trap in front of Hangar T-811. The grease trap was disconnected, cleaned, and partially removed in 2007. TCE was detected at concentrations that indicate the likely presence of dense non-aqueous phase liquid (DNAPL) across Lightning Drive from the Hangar T-811 and the former grease trap area. Soil contamination, detected below the water table in this area, appears to be a continuing source of groundwater contamination. A pathway for the downward migration of the TCE DNAPL was not located and may have dissipated through dissolution and natural attenuation following the termination of the cleaning and maintenance operations in Hangar T-811 that resulted in the TCE release.

A potential second source area was identified near the aircraft wash racks and former Industrial Waste Treatment Plant (IWTP) adjacent to Building 850, southeast of the Hangar T-811. Building 850 was built circa 1953. The dates of construction for the wash rack and former IWTP could not be determined. In this area, TCE was detected in groundwater in the deep zone of the upper aquifer at one location. The TCE concentration (2.8 mg/L) was much lower than the impacts detected near Hangar T-811. Concentrations indicative of source mass were not detected in unsaturated soil in the area or in the shallow zone of the upper aquifer.

Based on the available data, the TCE mass is located predominantly in the deeper zone of the upper aquifer from 35 to 50 feet below ground surface (bgs). Significantly lower concentrations (1 to 2 orders of magnitude) were detected in the shallow zone of the upper aquifer.

Impacts were not detected in Pond 29 during surface water and sediment sampling in 2006. Pond 29 has been drained due to a leak and storm water runoff is currently shut off. Based on historical and recent elevation data, Pond 29 periodically intercepts groundwater dependent on groundwater fluctuations. The continuing low contaminant

concentrations in the shallow zone of the aquifer indicate that surface water impacts will continue to be minimal.

Based on the 2006 surface soil investigation results, lead and mercury impacts were identified to be present at concentrations exceeding the Type 1 RRS in the Old Hospital Area. The source of the mercury impacts has not clearly been identified, but is believed to be the old hospital boiler room. Mercury impacts were delineated to below background and Type 1 RRS concentrations in 2006. Supplemental surface soil sampling performed in 2010 completed the delineation of lead impacts and confirmed that it is limited to a small area. Lead and mercury concentrations in soil exceeded the Type 1 and Type 2 standards. Lead also exceeded the Type 3 and Type 4 standards at one location.

Four constituents were detected in shallow groundwater at concentrations exceeding the Type 1 and Type 3 RRSs: cis-DCE; isopropylbenzene; methyl tert-butyl ether (MTBE); and TCE. Only TCE exceeded the Type 2 and Type 4 RRSs. Seven constituents were detected in deep groundwater at concentrations exceeding the Type 1 and Type 3 RRSs: benzene; 1,1-dichloroethene; cis-DCE; isopropylbenzene; methylene chloride; TCE; and VC. Four constituents were detected in the deep groundwater at concentrations greater than the Type 2 RRS: benzene; cis-DCE; TCE; and VC. Three constituents exceeded their Type 4 RRS: cis-DCE; TCE; and VC.

Soil and shallow groundwater results were evaluated for the vapor intrusion pathway. The maximum detected medium-specific concentrations were used in the calculations as a conservative measure. The results indicated that the risks were less than the GAEPD HSRA benchmark of 1×10^{-5} for all receptors except residents exposed to vapors migrating from groundwater. For that receptor, the calculated risk was 1×10^{-5}, just slightly greater than the GAEPD benchmark and well within the USEPA risk range. TCE was the risk driver. The noncancer hazards were less than the benchmark of 1, again with the exception of the resident exposed to vapors migrating from groundwater where the hazard was calculated to be 5, due to the presence of TCE. These risks and hazards were calculated using the updated cancer slope factors and reference doses for TCE that were released on September 28, 2011. If the average TCE concentration were used in the vapor migration model, the ELCR and HI would be less than and equal to the GAEPD HSRA benchmarks of 1×10^{-5} or 1, respectively.

Screening level and baseline ecological risk assessments (ERAs) were performed for HAA-15. Based on the available data, there is sufficient information to conclude that adverse impacts to aquatic and terrestrial wildlife and plants exposed to constituents in surface soil, surface water, sediment and shallow groundwater are unlikely. The one exception is lead at one location in surface soils. Adverse impacts are possible for ecological receptors potentially exposed to lead impacted surface soil at the site.

However, the potential risks calculated for this exposure scenario were based on the conservative assumptions that these receptors would be chronically exposed throughout their lifetime.

This CSR for HAA-15 has presented physical, analytical, and risk assessment data to support the conclusion that the potential impacts to the environment by past activities at the site have been sufficiently characterized in surface soil, subsurface soil, sediment, surface water and groundwater.

11.2 Recommendations

Based on the data provided herein, the following recommendations are submitted for consideration by the GAEPD:

- The CSR investigation has been completed, and the potential impacts to the environment by past activities at HAA-15 have been adequately characterized and delineated where necessary in surface soils, subsurface soils, sediment, surface water and groundwater to proceed with development and implementation of a Corrective Action Plan.
- A Corrective Action Plan (CAP) will be developed to address chlorinated VOC impacts in groundwater and lead impacts in surface soil. A remedy for the chlorinated VOC impacts will be developed that focuses on mitigating the mass in the deep zone that is a continuing source.

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Table 5-1
Groundwater Analyses - 1999, 2000, and 2001 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-01	XX-01	XX-01	XX-01	XX-01	XX-01	XX-01	XX-02	XX-02	XX-02	XX-02	XX-02	XX-02	XX-02	XX-02	XX-02	XX-03	XX-03	XX-03	XX-03	XX-03	XX-03	XX-03	XX-03	XX-04	XX-04	XX-04	XX-04
		Sample Date	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	9/26/1999	2/20/2000	2/20/2000	2/20/2000	2/20/2000
		Sample Depth (ft bgs)	11 - 15	16 - 20	21 - 25	26 - 30	36 - 40	41 - 45	46 - 50	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	35 - 40	41 - 45	46 - 50	10 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	3.5 - 7	8.5 - 12	13.5 - 17	18.5 - 22
Chemical Name	MCL	Type I RRS																												
VOCs - USEPA Method SW8260 (µg/L)																														
1,1,1-Trichloroethane	200	200	< 2 U	< 20 U	**1.4 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane		0.2	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	5	5	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane		4,000	< 2 U	< 20 U	< 2 U	**0.52 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	7	7	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**2.2**	**9.8**	**3.5 J**	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	5	5	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene		70	**2.9**	**403**	**98.2 D**	**69.5**	**41.8**	**2**	**0.71 J**	< 2 U	**1.5 J**	**0.54 J**	< 2 U	< 2 U	< 2 U	**2.1**	< 2 U	< 2 U	**1.4 J**	**11.2**	**2**	**80.7**	**274 D**	**88.8 D**	**2**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
2-UBtanone			< 5 UR	< 50 UR	< 5 UR	< 5 U	< 5 UR	< 5 UR	< 5 UR	**1.9 J**	< 5 UR	< 5 UR	< 5 UR	< 5 UR	< 5 UR	< 5 UR	< 5 UR	< 5 UR	5 JR	< 5 UR	< 5 UR	< 5 UR	< 5 UR	< 5 U	< 5 U	< 5 UR	< 5 U	< 5 U	< 5 U	< 5 U
2-Hexanone			< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone			< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 UR	< 50 U	< 5 UR	5 UBJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UR	< 5 U	< 5 UR	< 5 UR	5 UBJ	5 UBJ	< 5 UR	5.1 UB	6.9 UB	5.7 UB	**3.6 J**
Benzene	5	5	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**4.8**	**1.6 J**	**1.2 J**	**1.1 J**	**0.83 J**	**0.79 J**	**0.74 J**	< 2 U	**1.7**	**5.3**	< 1 U	< 1 U
Bromodichloromethane		80	< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform		80	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane			< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	**1.3 J**	**3.8 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1.2 J**	< 5 U	**0.82 J**	< 5 U	< 5 UJ	< 5 U	**1.1 J**	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	5	5	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane			< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		80	**0.71 J**	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane			< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane		80	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 2 U	< 20 U	< 2 U	< 2 U	**0.53 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**1.4 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**0.18 J**	**8.7**	**0.086 J**	**0.063 J**
Methylene chloride	5	5	4.5 UB	**9 J**	4.6 UB	< 2 U	< 2 U	< 2 U	**1.1 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	2 UBJ	4.3 UB	**0.75 J**	3.5 UB	4.4 UB	< 2 U	< 2 U	2 UBJ	< 5 U	5 UBJ	< 5 U	**1.1 J**
Styrene		100	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 2 U	< 20 U	1 J	1.2 J	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	**4.1**	**7.9**
Toluene	1,000	1,000	< 2 U	< 20 U	< 2 U	< 2 U	**0.71 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**0.51 J**	**2.2**	**0.6 J**	**0.37 J**
Trichloroethene	5	5	**33.9**	**560**	**258 D**	**139 D**	**39.4**	< 2 U	< 2 U	< 2 U	**21.9**	**1 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**36.5**	**116 D**	**85.3**	**674 D**	**2440 D**	**997 D**	**22.4**	**4.7**	< 1 U	< 1 U	**0.25 J**	**0.24 J**
Vinyl chloride	2	2	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	10,000	10,000	< 6 U	< 60 U	< 6 U	< 6 U	**2.8 J**	**0.7 J**	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	**2.6 J**	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	**0.6 J**	< 3 U	**23.6**	< 3 U	< 3 U

Footnotes appear on last page.

Table 5-1
Groundwater Analyses - 1999, 2000, and 2001 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-04	XX-04	XX-04	XX-04	XX-04	XX-05	XX-05	XX-05	XX-05	XX-05	XX-05	XX-05	XX-05	XX-05	XX-06	XX-06	XX-06	XX-06	XX-06	XX-06	XX-06	XX-06	XX-06	XX-07	XX-07	XX-07	XX-07	XX-07
		Sample Date	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/20/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/19/2000
		Sample Depth (ft bgs)	23.5 - 27	28.5 - 32	33.5 - 37	38.5 - 42	43.5 - 47	6.5 - 10	11.5 - 15	16.5 - 20	21.5 - 25	26.5 - 30	31.5 - 35	36.5 - 40	43.0 - 45	46.5 - 50	5.5 - 9	10.5 - 14	15.5 - 19	20.5 - 24	25.5 - 29	30.5 - 34	35.5 - 39	40.5 - 44	45.5 - 49	4.8 - 8	9.5 - 13	14.5 - 18	19.5 - 23	24.5 - 28
Chemical Name	MCL	Type I RRS																												
VOCs - USEPA Method SW8260 (µg/L)																														
1,1,1-Trichloroethane	200	200	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane		0.2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane		4,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	7	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene		70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-UBtanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
2-Hexanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	**3.2 J**	**4.4 J**	**2.8 J**	**4.2 J**	**2.9 J**	**5.6 J**	**5 J**	**4.3 J**	**3 J**	**5.2 J**	**3.9 J**	**5.3 J**	**4.3 J**	**3.9 J**	< 5 U	< 5 U	**1.1 J**	**1.7 J**	< 5 UJ	**1.9 J**	< 5 U	**1.8 J**	< 5 U	**0.62 J**	< 5 U	**1.6 J**	**0.32 J**	< 5 UJ
Benzene	5	5	< 1 U	< 1 U	**0.2 J**	**0.38 J**	**0.16 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.62 J**	**1.3**	**0.57 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	**0.065 J**	**0.11 J**	**0.064 J**	**0.06 J**	**0.062 J**	**0.056 J**	**0.078 J**	**0.074 J**	**0.061 J**	**0.075 J**	**0.071 J**	**0.064 J**	**0.06 J**	**0.061 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methylene chloride	5	5	**1.1 J**	**1.3 J**	< 5 U	**2 J**	**1.9 J**	**1.4 J**	**2.2 J**	**2.4 J**	**1.4 J**	**1.8 J**	**1.7 J**	**1.6 J**	**1.6 J**	< 5 U	**1 J**	**1.5 J**	5 UBJ	5 UBJ	< 5 U	**1.3 J**	**1.6 J**	**1.7 J**	**1.2 J**	5 UBJ	< 5 U	5 UBJ	5 UBJ	5 UBJ
Styrene		100	< 1 U	< 1 U	< 1 U	**0.22 J**	**0.2 J**	**0.16 J**	**0.22 J**	**0.26 J**	**0.22 J**	**0.17 J**	**0.18 J**	**0.18 J**	**0.15 J**	**0.13 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.88 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	**0.35 J**	**0.63 J**	**0.42 J**	**0.28 J**	**0.27 J**	**0.34 J**	**0.43 J**	**0.4 J**	**0.28 J**	**0.41 J**	**0.29 J**	**0.39 J**	**0.35 J**	**0.35 J**	< 1 U	< 1 U	**0.76 J**	**0.33 J**	**0.29 J**	**0.3 J**	< 1 U	**0.3 J**	**0.35 J**	< 1 U	< 1 U	**0.28 J**	< 1 U	**0.38 J**
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	2	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	10,000	10,000	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U

Footnotes appear on last page.

Table 5-1
Groundwater Analyses - 1999, 2000, and 2001 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-07	XX-07	XX-07	XX-07	XX-08	XX-08	XX-08	XX-08	XX-08	XX-08	XX-08	XX-08	XX-08	XX-09	XX-09	XX-09	XX-09	XX-09	XX-09	XX-09	XX-09	XX-10	XX-10	XX-10	XX-10	XX-10	XX-10
		Sample Date	2/19/2000	2/19/2000	2/19/2000	2/19/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/18/2000
		Sample Depth (ft bgs)	29.5 - 33	34.5 - 38	39.5 - 43	44.5 - 48	8 - 11.5	13 - 16.5	18 - 21.5	23 - 26.5	28 - 31.5	33 - 36.5	38 - 41.5	43 - 46.5	48 - 51.5	4.5 - 8	9.5 - 13	14.5 - 18	19.5 - 23	24.5 - 28	29.5 - 33	34.5 - 38	39.5 - 43.0	44.5 - 48	6.5 - 10	11.5 - 15	0 - 0	16.5 - 20	21.5 - 25	26.5 - 30
Chemical Name	MCL	Type I RRS																											
VOCs - USEPA Method SW8260 (µg/L)																													
1,1,1-Trichloroethane	200	200	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane		0.2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane		4,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	7	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene		70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-UBtanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
2-Hexanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	IS	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	**0.94 J**	< 5 UJ	**0.51 J**	< 5 U	< 5 U	< 5 U	< 5 U	5 UBJ	5 UBJ	5 UJ	5 UJ	IS	5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	IS	< 5 UJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	**0.21 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1.4 J**	< 5 U	IS	< 5 U	< 5 U	< 5 U	**0.92 J**	**2.5 J**	< 5 U	< 5 U	**1.9 J**	IS	**1.4 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	IS	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	.072 J	< 1 U	< 1 U	< 1 U
Methylene chloride	5	5	5 UBJ	5 UBJ	5 UBJ	**1.7 J**	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5.3 UB	5 UBJ	IS	5.1 UB	5 UBJ	5 UBJ	5 UBJ	**5 UBJ**	5 UBJ	5 UBJ	5 UBJ	IS	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ
Styrene		100	< 1 U	< 1 U	< 1 U	< 1 U	1 UBJ	1 UBJ	1 UBJ	1 UBJ	1 UBJ	**0.08 J**	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	**0.12 J**	< 1 U	< 1 U	< 1 U	IS	< 1 U	1 UBJ	1 UBJ	1 UBJ	1 UBJ	1 UBJ	1 UBJ
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	**0.55 J**	**0.43 J**	**0.53 J**	< 1 U	1 UJ	< 1 U	1 UJ	< 1 U	1 UJ	1 UJ	1 UJ	IS	1 UJ	< 1 U	**0.28 J**	**0.34 J**	**0.37 J**	**0.83 J**	**0.34 J**	**0.8 J**	IS	**0.47 J**	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	2	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	10,000	10,000	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	IS	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	IS	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U

Footnotes appear on last page.

Table 5-1
Groundwater Analyses - 1999, 2000, and 2001 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-10	XX-10	XX-10	XX-10	XX-11	XX-11	XX-11	XX-11	XX-11	XX-11	XX-11	XX-11	XX-11	XX-12	XX-12	XX-12	XX-12	XX-12	XX-12	XX-12	XX-12	XX-12	XX-13	XX-13	XX-13	XX-13	XX-13	XX-13
		Sample Date	2/18/2000	2/18/2000	2/18/2000	2/18/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000	2/16/2000
		Sample Depth (ft bgs)	31.5 - 35	36.5 - 40	41.5 - 45	46.5 - 50	6 - 7	11 - 14.5	16 - 19.5	21 - 24.5	26 - 29.5	31 - 34.5	36 - 39.5	41 - 44.5	46 - 49.5	6.5 - 10	11.5 - 15	16.5 - 20	21.5 - 25	26.5 - 30	31.5 - 35	36.5 - 40	41.5 - 45	46.5 - 50	'4 - 5	6.5 - 10	11.5 - 15	16.5 - 20	21.5 - 25	26.5 - 30
Chemical Name	MCL	Type I RRS																												
VOCs - USEPA Method SW8260 (µg/L)																														
1,1,1-Trichloroethane	200	200	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane		0.2	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	5	5	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane		4,000	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	7	7	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	**0.34 J**	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	**0.18 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	5	5	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene		70	< 2 U	< 2 UJ	**2.1 J**	**2.7**	< 2 U	**0.45 J**	**1.9 J**	**0.36 J**	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	**3.8**	**21.8**	**8.6**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**2.4**	**2.1**
1,2-Dichloropropane	5	5	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-UBtanone			5 UJ	< 5 UJ	< 5 UJ	< 5 U	**6.7**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**8.9**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
2-Hexanone			< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone			< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	5 UBJ	< 5 UJ	5 UBJ	< 5 U	< 5 U	**12.6**	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	**4.3 J**	**6.4 J**	**1.4 J**	**1.2 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Benzene	5	5	**0.19 J**	**0.85 J**	**15.8 J**	**17.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	**0.19 J**	**1**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane		80	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform		80	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane			< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	**1.2 J**	< 5 U	< 5 U	< 5 U	IS	**1.7 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.98 J**	< 5 U	< 5 U	**1.4 J**
Carbon tetrachloride	5	5	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane			< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		80	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane			< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane		80	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	**0.093 J**	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	**0.16 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methylene chloride	5	5	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	IS	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ
Styrene		100	1 UBJ	1 UBJ	1 UBJ	1 UBJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	1 UJ	1 UJ	1 UJ	1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	**0.32 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.75 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	< 1 UJ	**0.3 J**	**0.28 J**	< 1 U	**30.4**	**134 D**	**27.4**	< 1 U	**0.85 J**	IS	**1.7**	< 1 U	< 1 U	< 1 U	**220 D**	**537 D**	**86**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.2 J**	< 1 U	**0.4 J**	**39.7**	**71**
Vinyl chloride	2	2	< 1 U	< 1 UJ	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	10,000	10,000	**0.29 J**	.29 J	**0.29 J**	**0.36 J**	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	IS	< 3 U	< 3 U	3 UJ	3 UJ	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	3 UBJ	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U

Footnotes appear on last page.

Table 5-1
Groundwater Analyses - 1999, 2000, and 2001 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-13	XX-13	XX-13	XX-14	XX-14	XX-14	XX-14	XX-14	XX-14	XX-14	XX-14	XX-14	XX-15	XX-15	XX-15	XX-15	XX-15	XX-15	XX-15	XX-15	XX-16	XX-16	XX-16	XX-17	XX-17	XX-18	XX-18
		Sample Date	2/16/2000	2/16/2000	2/16/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	2/17/2000	11/8/2001	11/8/2001	11/8/2001	11/8/2001	11/9/2001	11/9/2001	11/9/2001
		Sample Depth (ft bgs)	31.5 - 35	36.5 - 40	41.5 - 45	4 - 7.5	9 - 12.5	14 - 17.5	19 - 22.5	24 - 27.5	29 - 32.5	34 - 37.5	39 - 42.5	44 - 47.5	6.5 - 10	11.5 - 15	16.5 - 20	21.5 - 25	26.5 - 30	31.5 - 35	36.5 - 40	41.5 - 45	46.5 - 50	21 - 23	37 - 39	44 - 46	34 - 36	44 - 46	23 - 25	35 - 37
Chemical Name	MCL	Type I RRS																											
VOCs - USEPA Method SW8260 (µg/L)																													
1,1,1-Trichloroethane	200	200	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	**0.62 J**	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane		0.2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.24 J**	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane		4,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	7	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.4**	**4**	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**6.1**	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene		70	< 2 U	< 2 U	< 2 U	< 2 U	**4.9**	**50.6**	**23.8**	**22.1 J**	**25.3 J**	**11.8**	< 2 U	IS	**7.8**	**7.6**	**9.7**	**9**	< 2 U	**501 D**	**63.9**	**7.2**	IS	< 2 U	< 2 U	< 2 U	< 2 U	**0.45 J**	**100**	**37.7**
1,2-Dichloropropane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-UBtanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 250 U	< 250 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	7.7 U	5 UJ	5 UJ	5 UJ
2-Hexanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 250 U	< 250 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone			< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 250 U	< 250 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 U	**9.4 J**	< 5 U	< 5 UJ	< 5 UJ	2.3 J	< 5 UJ	< 250 UJ	< 250 UJ	**4.1 J**	< 5 UJ	IS	**0.8 J**	< 5 U	**1.5 J**	< 5 U	< 5 U	**1.8 J**	< 5 U	IS	5.5 U	5 U	5.3 U	53.1 U	13.5 UB	12 U	20 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.5 J**	< 50 U	< 50 U	**0.82 J**	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.66 J**	**0.4 J**	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.56 J**	< 1 U
Bromodichloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 250 UJ	< 250 UJ	< 5 UJ	< 5 UJ	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	IS	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 UJ	< 50 UJ	< 1 UJ	< 1 UJ	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	**0.17 J**	< 1 U	< 1 U	< 1 U	< 1 U	**0.18 J**	< 50 U	< 50 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	.74 J	< 1 U	< 1 U
Methylene chloride	5	5	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	250 UBJ	250 UBJ	5 UBJ	5 UBJ	IS	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	5 UBJ	IS	5 UBJ	5 UBJ	5 UBJ	5 UBJ	< 5 U	5 UBJ	5 UBJ
Styrene		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.18 J**	< 1 U	4.9 J	< 50 U	1 UJ	1 UJ	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.21 J**	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	**0.71 J**	**7.5**	**32.5**	< 50 U	< 50 U	< 1 U	< 1 U	IS	**1.6**	**1.4**	**1.8**	**2.1**	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	.35 J	< 50 U	< 50 U	**0.42 J**	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.34 J**	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	1 UJ	1 UJ	1 UJ	1.2 U
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	**183 D**	**1040 DJ**	**3600 D**	**3700**	**2830**	**8.3**	.6 J	IS	**157 D**	**83**	**118 D**	**198 D**	< 1 U	**406 D**	**1**	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	**3.4**	**5.1**	< 1 U
Vinyl chloride	2	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.1	< 50 U	< 50 U	< 1 U	< 1 U	IS	**2.4**	**3**	**3.4**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	IS	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	10,000	10,000	< 3 U	3 UJ	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 150 U	< 150 U	< 3 U	< 3 U	IS	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	IS	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U

Footnotes appear on last page.

Table 5-1
Groundwater Analyses - 1999, 2000, and 2001 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-18	XX-19	XX-19	XX-19	XX-20	XX-20	XX-20	XX-21	XX-21	XX-21	XX-22	XX-22	XX-22	XX-23	XX-23	XX-23	XX-24	XX-24	XX-24	XX-25	XX-25	XX-25	XX-26	XX-26	XX-26
		Sample Date	11/9/2001	11/8/2001	11/8/2001	11/8/2001	11/9/2001	11/9/2001	11/9/2001	11/8/2001	11/8/2001	11/8/2001	11/8/2001	11/8/2001	11/8/2001	11/10/2001	11/10/2001	11/10/2001	11/8/2001	11/8/2001	11/8/2001	11/10/2001	11/10/2001	11/10/2001	12/16/2001	12/16/2001	12/16/2001
		Sample Depth (ft bgs)	43 - 45	25 - 27	33 - 35	41 - 43	33 - 35	39 - 40.5	41 - 43	31 - 33	41 - 43	45 - 47	26.5 - 28.5	29.5 - 31.5	34 - 36	27 - 29	37 - 39	45 - 47	29 - 31	39 - 41	44 - 46	29 - 31	35 - 37	43 - 45	29.9 - 34.8	37.4 - 42.3	23.7 - 28.7
Chemical Name	MCL	Type I RRS																									
VOCs - USEPA Method SW8260 (µg/L)																											
1,1,1-Trichloroethane	200	200	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane		0.2	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane		4,000	< 1 U	**0.36 J**	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	**0.25 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	7	7	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	1	< 5 U	< 1 U	< 1 U	< 10 U	**3.4**	< 1 U	**2.4**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.66 J**	**0.73 J**	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene		70	< 2 U	**23.1**	**2.3**	< 2 U	**16.8**	**29.8**	**50**	**2.2**	< 2 U	**636**	**148**	**15.8**	**85.7**	**0.78 J**	**2.6**	< 2 U	< 2 U	< 2 U	< 2 U	**61.4**	**68.4**	< 2 U	**1.8 J**	**2.3**	**1.6 J**
1,2-Dichloropropane	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-UBtanone			< 5 U	5 UJ	< 5 U	< 5 U	< 25 U	< 5 U	< 25 U	5 UJ	< 5 U	< 50 U	< 5 U	**11.6**	< 5 U	**2 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
2-Hexanone			< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 5 U	< 25 U	< 5 U	< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone			< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 5 U	< 25 U	< 5 U	< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	1.6 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	5.6 U	**11.4 UB**	6.5 U	9.2 UB	26.1 UB	6.4 U	32.6 UB	10.7 UB	5.8 U	< 50 U	5 UJ	**54.8**	**4 J**	**8.2**	**13.6**	**17.1**	**4.1 J**	**4.1 J**	**3.9 J**	**4.4 J**	**3.6 J**	**2.3 J**	**102 B**	26.2 UB	< 5 U
Benzene	5	5	< 1 U	**0.58 J**	< 1 U	< 1 U	< 5 U	**0.55 J**	**1.9 J**	**0.39 J**	< 1 U	< 10 U	< 1 U	**0.65 J**	< 1 U	< 1 U	**0.3 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane			< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 5 U	< 25 U	< 5 U	< 5 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane			< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		80	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane			< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.61 J**	< 1 U	< 1 U	< 1 U	**0.44 J**	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane		80	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	**0.28 J**	**0.22 J**	< 1 U	< 5 U	< 1 U	< 5 U	**0.61 J**	**0.41 J**	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methylene chloride	5	5	5 UBJ	< 5 U	5 UBJ	< 5 U	< 25 U	5 UBJ	< 25 U	< 5 U	5 UBJ	50 UBJ	5 UBJ	< 5 U	< 5 U	< 5 U	5 UBJ	< 5 U	5 UBJ	< 5 U	< 5 U	< 5 U	< 5 U	5 UBJ	< 5 U	< 5 U	< 5 U
Styrene		100	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	**0.27 J**	< 5 U	**2.3**	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.55 J**	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	1.4 U	1.2 U	1 UJ	< 5 U	1 UJ	5 UJ	1.6 U	**2.1**	10 UJ	1 UJ	**1.5**	< 1 U	**0.18 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	**0.48 J**	**4.6**	< 1 U	**457**	**818 D**	**476 D**	**1.3**	< 1 U	**122**	**1040 D**	**26.7**	**511 D**	**0.68 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**272 D**	**91.8 D**	< 1 U	**9.5**	**17.8**	**10.3**
Vinyl chloride	2	2	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes (total)	10,000	10,000	< 3 U	**1.2 J**	**0.54 J**	< 3 U	< 15 U	< 3 U	< 15 U	**1.8 J**	**2.1 J**	< 30 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U

Notes:

[ ] - Indicates the analyte was detected above one or more applicable standards
BOLD - indicates the analyte was detected.
B - Analyte was detected in an associated blank as well as in the sample.
D - Sample was diluted for analysis.
IS - Insufficient recovery for a groundwater sample to be collected.
J - The analyte was positively identified, UBt the associated numerical value is the approximate concentration of the analyte in the sample.
MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).
µg/L - Micrograms per Liter
NA - Not analyzed
RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (UJly 23, 2003).
U - The analyte was not detected above the reporting limit.
UB - Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.
UJ - The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately measure analyte in the sample.
UR - The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified; qualified as a non-detect at listed value.
VOCs - Volatile Organic Compounds

Table 5-2a
Groundwater Analyses - 2002 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-3	MVP-3	MVP-3	MVP-3
		Sample Date	12/6/2002	12/6/2002	12/6/2002	12/6/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002
		Sample Depth (ft bgs)	10	15	20	25	30	35	40	45	10	15	20	25	30	35	40	45	10	15	20	25
Chemical Name	MCL	Type I RRS																				
VOCs - USEPA Method 8260B (µg/L)																						
1,1,1,2-Tetrachloroethane		70	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,1-Trichloroethane	200	200	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2,2-Tetrachloroethane		0.2	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane		4,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethene	7	7	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloropropene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,3-Trichlorobenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,3-Trichloropropane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trichlorobenzene	70	70	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trimethylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromoethane	0.05		< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichlorobenzene	600		< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3,5-Trimethylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichlorobenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichloropropane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
1,4-Dichlorobenzene	75		< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
2,2-Dichloropropane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Butanone		2,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Chlorotoluene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Hexanone			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Chlorotoluene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Methyl-2-pentanone			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Acetone		4,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Benzene	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromobenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromochloromethane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromoform		100	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromomethane		10	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon disulfide		4,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon tetrachloride	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-11		2,000	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-12		1,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	100	100	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroethane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroform		100	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloromethane		3	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	70		< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	**42.8**	**49.1**
cis-1,3-Dichloropropene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromomethane			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	700	700	< 20 U	< 2 U	< 10 U	**0.96 J**	< 10 U	**1.41 J**	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Hexachlorobutadiene		1	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Isopropylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
m,p-Xylene	10,000	10,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U

Footnotes appear on last page.

Table 5-2a
Groundwater Analyses - 2002 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-1	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-2	MVP-3	MVP-3	MVP-3	MVP-3
		Sample Date	12/6/2002	12/6/2002	12/6/2002	12/6/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/7/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002
		Sample Depth (ft bgs)	10	15	20	25	30	35	40	45	10	15	20	25	30	35	40	45	10	15	20	25
Chemical Name	MCL	Type I RRS																				
VOCs Continued - USEPA Method 8260B (µg/L)																						
Naphthalene		20	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Butylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Propylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
o-Xylene	10,000	10,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
p-Isopropyltoluene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
sec-Butylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Styrene	100	100	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butyl methyl ether			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butylbenzene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Toluene	1,000	1,000	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	100	100	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,3-Dichloropropene			< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	5	5	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	**33.3**	**36**
Vinyl acetate			NA	NA	NA	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 4 U	< 4 U	< 20 U	< 4 U	< 4 U	< 4 U	< 20 U	< 20 U	< 4 U	< 4 U	< 4 U	< 4 U
Vinyl chloride	2	2	< 20 U	< 2 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	**0.75 J**	< 2 U

Footnotes appear on last page.

Table 5-2a
Groundwater Analyses - 2002 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MVP-3	MVP-3	MVP-3	MVP-3	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5
		Sample Date	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002
		Sample Depth (ft bgs)	30	35	40	45	10	15	20	25	30	35	40	45	10	15	20	25	30	35	40	45
Chemical Name	MCL	Type I RRS																				
VOCs - USEPA Method 8260B (µg/L)																						
1,1,1,2-Tetrachloroethane		70	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,1,1-Trichloroethane	200	200	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,1,2,2-Tetrachloroethane		0.2	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,1,2-Trichloroethane	5	5	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,1-Dichloroethane		4,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,1-Dichloroethene	7	7	< 2 U	**2.22**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,1-Dichloropropene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2,3-Trichlorobenzene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2,3-Trichloropropane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2,4-Trichlorobenzene	70	70	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2,4-Trimethylbenzene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2-Dibromoethane	0.05		< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2-Dichlorobenzene	600		< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2-Dichloroethane	5	5	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,2-Dichloropropane	5	5	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,3,5-Trimethylbenzene			< 2 U	**16.1**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,3-Dichlorobenzene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,3-Dichloropropane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
1,4-Dichlorobenzene	75		< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
2,2-Dichloropropane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
2-Butanone		2,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
2-Chlorotoluene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
2-Hexanone			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
4-Chlorotoluene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
4-Methyl-2-pentanone			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Acetone		4,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Benzene	5	5	< 2 U	**1.16 J**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Bromobenzene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Bromochloromethane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Bromodichloromethane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Bromoform		100	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Bromomethane		10	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Carbon disulfide		4,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Carbon tetrachloride	5	5	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
CFC-11		2,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
CFC-12		1,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Chlorobenzene	100	100	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Chloroethane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Chloroform		100	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Chloromethane		3	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
cis-1,2-Dichloroethene	70		**578**	**969**	**114**	**12**	**0.7 J**	**1.52 J**	**2.98 J**	**1.05 J**	**6.95**	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**16.6**
cis-1,3-Dichloropropene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Dibromochloromethane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Dibromomethane			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Ethylbenzene	700	700	**0.77 J**	**1.31 J**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Hexachlorobutadiene		1	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Isopropylbenzene			**2.06**	**2.3**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
m,p-Xylene	10,000	10,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Methylene chloride	5	5	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U

Footnotes appear on last page.

Table 5-2a
Groundwater Analyses - 2002 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MVP-3	MVP-3	MVP-3	MVP-3	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-4	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5	MVP-5
		Sample Date	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/9/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002	12/8/2002
		Sample Depth (ft bgs)	30	35	40	45	10	15	20	25	30	35	40	45	10	15	20	25	30	35	40	45
Chemical Name	MCL	Type I RRS																				
VOCs Continued - USEPA Method 8260B (µg/L)																						
Naphthalene		20	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
n-Butylbenzene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
n-Propylbenzene			**2.18**	**2.45**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
o-Xylene	10,000	10,000	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
p-Isopropyltoluene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
sec-Butylbenzene			**1.08 J**	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Styrene	100	100	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
tert-Butyl methyl ether			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
tert-Butylbenzene			**0.68 J**	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Tetrachloroethene	5	5	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Toluene	1,000	1,000	**0.6 J**	**0.69 J**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
trans-1,2-Dichloroethene	100	100	< 2 U	**4.39**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
trans-1,3-Dichloropropene			< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Trichloroethene	5	5	**201**	**453**	**108**	**7.85**	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**6.83 J**
Vinyl acetate			< 4 U	< 4 U	< 20 U	< 4 U	< 4 U	< 4 U	< 20 U	< 20 U	< 4 U	< 20 U	< 20 U	< 20 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 10 U
Vinyl chloride	2	2	**3.23**	**7.73**	< 10 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U

Notes:
* - Duplicate sample
Analyte was detected above the MCL or the Type I RRS.
BOLD - indicate the analyte was detected.
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).
µg/L - Micrograms per Liter
NA - Not Analyzed
RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (July 23, 2003).
U - The analyte was not detected above the reporting limit.
VOCs - Volatile Organic Compounds

Table 5-2b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-3	MCA-VP-3	MCA-VP-3	MCA-VP-3	MCA-VP-3
		Sample Date	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/4/2003	9/4/2003	9/3/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003
		Sample Depth (ft bgs)	15	20	25	30	35	40	45	15	20	25	30	35	40	45	15	20	25	30	35
Chemical Name	MCL	Type I RRS																			
VOCs - USEPA Method 8260B (µg/L)																					
1,1,1,2-Tetrachloroethane		70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,1-Trichloroethane	200	200	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2,2-Tetrachloroethane		0.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethene	7	7	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,3-Trichlorobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trichlorobenzene	70	70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trimethylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromo-3-chloropropane	0.2	0.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromoethane	0.05		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichlorobenzene	600		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3,5-Trimethylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichlorobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichloropropane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,4-Dichlorobenzene	75		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2,2-Dichloropropane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Butanone		2,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Chlorotoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Hexanone			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Chlorotoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Methyl-2-pentanone			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acetone		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acrolein		700	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acrylonitrile		0.6	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Benzene, 1-methylethyl			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromochloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromoform		100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromomethane		10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon disulfide		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon tetrachloride	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-11		2,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-12		1,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroform		100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloromethane		3	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	70		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,3-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromomethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Diisopropyl ether			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	700	700	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Hexachlorobutadiene		1	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

Footnotes appear on last page.

Table 5-2b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-1	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-2	MCA-VP-3	MCA-VP-3	MCA-VP-3	MCA-VP-3	MCA-VP-3
		Sample Date	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/4/2003	9/4/2003	9/3/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003	7/11/2003
		Sample Depth (ft bgs)	15	20	25	30	35	40	45	15	20	25	30	35	40	45	15	20	25	30	35
Chemical Name	MCL	Type I RRS																			
VOCs Continued - USEPA Method 8260B (µg/L)																					
Iodomethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
m,p-Xylene	10,000	10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Naphthalene		20	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Propylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
o-Xylene	10,000	10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
p-Isopropyltoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
sec-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Styrene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butyl methyl ether			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Toluene	1,000	1,000	< 2 U	**0.22 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,3-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl acetate			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl chloride	2	2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

Footnotes appear on last page.

Table 5-2b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-VP-3	MCA-VP-3	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-6	MCA-VP-6	MCA-VP-6
		Sample Date	7/11/2003	7/11/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/4/2003	9/3/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	9/4/2003	9/4/2003	9/4/2003
		Sample Depth (ft bgs)	40	45	15	20	25	30	35	40	45	15	20	25	30	35	40	45	15	20	25
Chemical Name	MCL	Type I RRS																			
VOCs - USEPA Method 8260B (µg/L)																					
1,1,1,2-Tetrachloroethane		70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,1-Trichloroethane	200	200	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2,2-Tetrachloroethane		0.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethene	7	7	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,3-Trichlorobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trichlorobenzene	70	70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trimethylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromo-3-chloropropane	0.2	0.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromoethane	0.05		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichlorobenzene	600		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3,5-Trimethylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichlorobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichloropropane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,4-Dichlorobenzene	75		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2,2-Dichloropropane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Butanone		2,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Chlorotoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Hexanone			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Chlorotoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Methyl-2-pentanone			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acetone		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acrolein		700	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	IS	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acrylonitrile		0.6	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	IS	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Benzene, 1-methylethyl			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromochloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromoform		100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromomethane		10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon disulfide		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon tetrachloride	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-11		2,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-12		1,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroform		100	< 2 U	< 2 U	< 2 U	< 2 U	**0.46 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloromethane		3	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	70		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,3-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromomethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Diisopropyl ether			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	700	700	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Hexachlorobutadiene		1	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

Footnotes appear on last page.

Table 5-2b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-VP-3	MCA-VP-3	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-4	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-5	MCA-VP-6	MCA-VP-6	MCA-VP-6
		Sample Date	7/11/2003	7/11/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/4/2003	9/3/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	6/27/2003	9/4/2003	9/4/2003	9/4/2003
		Sample Depth (ft bgs)	40	45	15	20	25	30	35	40	45	15	20	25	30	35	40	45	15	20	25
Chemical Name	MCL	Type I RRS																			
VOCs Continued - USEPA Method 8260B (µg/L)																					
Iodomethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
m,p-Xylene	10,000	10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Naphthalene		20	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Propylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
o-Xylene	10,000	10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
p-Isopropyltoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
sec-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Styrene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butyl methyl ether			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Toluene	1,000	1,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**0.29 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,3-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl acetate			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl chloride	2	2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	IS	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

Footnotes appear on last page.

Table 5-2b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-VP-6	MCA-VP-6	MCA-VP-6	MCA-VP-6	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8
		Sample Date	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003
		Sample Depth (ft bgs)	30	35	40	45	15	20	25	30	35	40	45	15	20	25	30	35	40	45
Chemical Name	MCL	Type I RRS																		
VOCs - USEPA Method 8260B (µg/L)																				
1,1,1,2-Tetrachloroethane		70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,1-Trichloroethane	200	200	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2,2-Tetrachloroethane		0.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethene	7	7	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,3-Trichlorobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trichlorobenzene	70	70	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2,4-Trimethylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromo-3-chloropropane	0.2	0.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dibromoethane	0.05		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichlorobenzene	600		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3,5-Trimethylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichlorobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,3-Dichloropropane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,4-Dichlorobenzene	75		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2,2-Dichloropropane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Butanone		2,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Chlorotoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Hexanone			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Chlorotoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
4-Methyl-2-pentanone			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acetone		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acrolein		700	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acrylonitrile		0.6	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Benzene, 1-methylethyl			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromobenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromochloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromoform		100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromomethane		10	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon disulfide		4,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbon tetrachloride	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-11		2,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
CFC-12		1,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroform		100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloromethane		3	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	70		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**0.23 J**	**0.51 J**	**8.11**	< 2 U	< 2 U	< 2 U	< 2 U	**0.34 J**	< 2 U	**1.8 J**	< 2 U	< 2 U	< 2 U
cis-1,3-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromomethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Diisopropyl ether			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	700	700	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Hexachlorobutadiene		1	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

Footnotes appear on last page.

Table 5-2b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-VP-6	MCA-VP-6	MCA-VP-6	MCA-VP-6	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-7	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8	MCA-VP-8
		Sample Date	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003
		Sample Depth (ft bgs)	30	35	40	45	15	20	25	30	35	40	45	15	20	25	30	35	40	45
Chemical Name	MCL	Type I RRS																		
VOCs Continued - USEPA Method 8260B (µg/L)																				
Iodomethane			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
m,p-Xylene	10,000	10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Naphthalene		20	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
n-Propylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
o-Xylene	10,000	10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
p-Isopropyltoluene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
sec-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Styrene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butyl methyl ether			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
tert-Butylbenzene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Toluene	1,000	1,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**0.39 J**	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	100	100	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**0.44 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,3-Dichloropropene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	5	5	< 2 U	< 2 U	< 2 U	< 2 U	**0.42 J**	**1.47 J**	**9.55**	**46.2 J**	< 2 U	< 2 U	< 2 U	< 2 U	**1.79 J**	**1.17 J**	**4.33**	< 2 U	< 2 U	< 2 U
Vinyl acetate			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl chloride	2	2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U

Notes:
* - Duplicate sample
[ ] - Indicate the analyte was detected above one of more applicable screening criteria
BOLD - indicate the analyte was detected.
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).
µg/L - Micrograms per Liter
RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (July 23, 2003).
U - The analyte was not detected above the reporting limit.
VOCs - Volatile Organic Compounds

Table 5-3a
Soil Analytical Results - 2005 and 2006
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	Location ID	Location ID	MCA-SO001	MCA-SO002	MCA-SO003	MCA-SO004	MCA-SO005	MCA-SO005*	MCA-SO006	MCA-SO006*	MCA-SO007	MCA-SO008	MCA-SO009	MCA-SO010	MCA-SO011	MCA-SO012	MCA-SO013
	Sample Date	Sample Date	Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05
	Sample Depth (ft bgs)	Sample Depth (ft bgs)	Sample Depth (ft bgs)	2 - 4	0 - 2	6 - 7	2 - 4	6 - 7	6 - 7	0.5 - 1.5	0.5 - 1.5	2 - 4	3 - 4	7 - 8	7 - 8	7 - 8	4 - 6	4 - 6
Chemical Name	HSRA NC [1]	HSRA Type 1 RRS [2]	Background [3]															
VOCs - USEPA Method 8260B (mg/kg)																		
1,1,2-Trichloroethane		0.5	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 UJ	**0.013 J**	< 0.0056 U	< 0.0034 U	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
1,2-Dichloroethane	0.02	0.5	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	**0.0058 J**	< 0.0056 U	< 0.0034 U	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
1,2-Dichloropropane	0.02	0.5	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 UJ	**0.047 J**	< 0.0056 U	< 0.0034 U	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
Acetone	2.74	400	NA	< 0.017 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	< 0.0061 U	**0.0059 J**	< 0.0034 UJ	< 0.0047 U	**0.035**	**0.011**	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
Isopropylbenzene	21.88	21.88	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	< 0.0061 U	< 0.0056 U	< 0.0034 U	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
Ethylbenzene	20	70	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	< 0.0061 U	< 0.0056 U	< 0.0034 U	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
m,p-Xylene	20	1000	NA	< 0.01 U	< 0.011 U	< 0.012 U	< 0.0096 U	< 0.011 U	< 0.012 U	< 0.011 U	< 0.0068 U	< 0.0094 U	< 0.011 U	< 0.011 U	< 0.01 U	< 0.012 U	< 0.0098 U	< 0.0092 U
o-Xylene	20	1000	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	< 0.0061 U	< 0.0056 U	< 0.0034 U	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
Toluene	14.4	100	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	< 0.0061 U	< 0.0056 UJ	**0.0035 J**	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
Trichloroethene	0.13	0.5	NA	< 0.0051 U	< 0.0055 U	< 0.0059 U	< 0.0048 U	< 0.0057 U	< 0.0061 U	**0.031 J**	< 0.0034 UJ	< 0.0047 U	< 0.0055 U	< 0.0053 U	< 0.005 U	< 0.0061 U	< 0.0049 U	< 0.0046 U
SVOCs - USEPA Method 8270 (mg/kg)																		
Acenaphthylene	130	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1.64	1.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	50	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	5	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	110	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - USEPA Method 6010 (mg/kg)																		
Arsenic	41	20	2.6	< 1 U	< 1 U	< 0.85 U	**0.45 J**	< 0.83 U	< 0.84 U	**0.45 J**	NA	**1.2**	< 0.98 U	NA	NA	NA	NA	NA
Barium	500	1000	28	**9.2**	**3.3**	**8.5**	**9.7**	**2.6**	**3.4**	**11**	NA	**12**	**11**	NA	NA	NA	NA	NA
Cadmium	39	2	2.6	< 0.2 U	< 0.21 U	< 0.17 U	< 0.2 U	< 0.17 U	< 0.17 U	< 0.2 U	NA	< 0.2 U	< 0.2 U	NA	NA	NA	NA	NA
Chromium	1,200	100	7.7	**1.9**	**2.2**	**3.3**	**3.6**	**1.3**	**1.3**	**4**	NA	**3.4**	**3.8**	NA	NA	NA	NA	NA
Lead	300	75	53	**2.3**	**3.2**	**4.8**	**2.9**	**1.6**	**1.5**	**3.2**	NA	**3.3**	**19**	NA	NA	NA	NA	NA
Mercury	17	0.5	0.39	**0.024 J**	**0.025 J**	< 0.035 U	< 0.034 U	< 0.034 U	< 0.034 U	**0.023 J**	NA	< 0.035 U	**0.027 J**	NA	NA	NA	NA	NA
Selenium	36	2	1.9	< 1 U	< 1 U	< 0.85 U	< 0.99 U	< 0.83 U	< 0.84 U	< 1 U	NA	< 1 U	< 0.98 U	NA	NA	NA	NA	NA
Silver	10	2	2.6	< 0.51 U	**0.13 J**	< 0.42 U	< 0.5 U	< 0.41 U	< 0.42 U	< 0.51 U	NA	< 0.51 U	< 0.49 U	NA	NA	NA	NA	NA

Footnotes appear on last page.

Table 5-3a
Soil Analytical Results - 2005 and 2006
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	Location ID	Location ID	MCA-SO014	MCA-SO015	MCA-SO016	MCA-SO016A	MCA-SO016A2	MCA-SO016A2*	MCA-SO016B	MCA-SO016C	MCA-SO016C2	MCA-SO016D	MCA-SO0017	MCA-SO017A	MCA-SO017A*	MCA-SO017B	MCA-SO017C
	Sample Date	Sample Date	Sample Date	Oct-05	Oct-05	Oct-05	Feb-06	Apr-06	Apr-06	Feb-06	Feb-06	Apr-06	Feb-06	Oct-05	Feb-06	Feb-06	Feb-06	Feb-06
	Sample Depth (ft bgs)	Sample Depth (ft bgs)	Sample Depth (ft bgs)	4 - 6	7 - 8	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	5 - 7	5 - 7	5 - 7	5 - 7	5 - 7
Chemical Name	HSRA NC [1]	HSRA Type 1 RRS [2]	Background [3]															
VOCs - USEPA Method 8260B (mg/kg)																		
1,1,2-Trichloroethane		0.5	NA	< 0.047 U	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.02	0.5	NA	< 0.047 U	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.02	0.5	NA	< 0.047 U	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	2.74	400	NA	< 0.19 U	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	21.88	21.88	NA	**0.75**	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	20	70	NA	**0.25**	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	20	1000	NA	**1.8**	< 0.011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	20	1000	NA	**0.18**	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	14.4	100	NA	< 0.024 U	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.13	0.5	NA	< 0.024 U	< 0.0054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs - USEPA Method 8270 (mg/kg)																		
Acenaphthylene	130	130	NA	NA	NA	**0.14**	**0.27**	< 0.41 U	< 0.4 U	< 0.038 U	< 0.036 U	< 0.4 U	**0.079**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Anthracene	500	500	NA	NA	NA	**0.14**	**0.27**	< 0.41 U	< 0.4 U	< 0.038 U	< 0.036 U	< 0.4 U	**0.096**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Benz(a)anthracene	5	5	NA	NA	NA	**0.5**	**1.4**	< 0.41 U	< 0.4 U	< 0.038 U	**0.055**	**0.09 J**	**0.49**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Benzo(a)pyrene	1.64	1.64	NA	NA	NA	**1.1**	**1.4**	< 0.41 U	< 0.4 U	< 0.038 U	**0.069**	**0.1 J**	**0.51**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Benzo(b)fluoranthene	5	5	NA	NA	NA	**0.51**	**1.9**	< 0.41 U	< 0.4 U	< 0.038 U	**0.069**	**0.1 J**	**0.76**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Benzo(ghi)perylene	500	500	NA	NA	NA	< 0.07 U	**0.93**	< 0.41 U	< 0.4 U	< 0.038 U	**0.053**	**0.086 J**	**0.33**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Benzo(k)fluoranthene	5	5	NA	NA	NA	**0.57**	**0.97**	< 0.41 U	< 0.4 U	< 0.038 U	**0.05**	**0.097 J**	**0.29**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Bis(2-ethylhexyl)phthalate	50	50	NA	NA	NA	< 0.36 U	< 0.87 U	**.061 J**	< 0.4 U	< 0.19 U	< 0.18 U	< 0.4 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.2 U	< 0.21 U	< 0.21 U
Chrysene	5	5	NA	NA	NA	**0.5**	**1.2**	< 0.41 U	< 0.4 U	< 0.038 U	**0.055**	**0.11 J**	**0.43**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Dibenz(a,h)anthracene	5	2	NA	NA	NA	< 0.07 U	**0.3**	< 0.41 U	< 0.4 U	< 0.038 U	**0.02 J**	< 0.4 U	**0.13**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Fluoranthene	500	500	NA	NA	NA	**0.59**	**1.5**	< 0.41 U	< 0.4 U	< 0.038 U	**0.06**	**0.16 J**	**0.49**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Indeno(1,2,3-cd)pyrene	5	5	NA	NA	NA	< 0.07 U	**0.8**	< 0.41 U	< 0.4 U	< 0.038 U	**0.045**	**0.085 J**	**0.29**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Naphthalene	100	100	NA	NA	NA	< 0.07 U	< 0.17 U	< 0.41 U	< 0.4 U	< 0.038 U	< 0.036 U	< 0.4 U	< 0.036 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Phenanthrene	110	110	NA	NA	NA	**0.18**	**0.25**	< 0.41 U	< 0.4 U	< 0.038 U	< 0.036 U	**0.095 J**	**0.095**	< 0.04 U	< 0.041 U	< 0.04 U	< 0.041 U	< 0.041 U
Metals - USEPA Method 6010 (mg/kg)																		
Arsenic	41	20	2.6	NA	NA	< 0.87 U	**1 J**	**0.86 J**	**1.7**	**2.5**	**0.63 J**	**1.5**	**1.1**	**1.1**	**0.49 J**	< 1.1 U	**0.51 J**	**0.54 J**
Barium	500	1000	28	NA	NA	**11**	**20**	**18 J**	**40 J**	**34**	**12**	**33**	**16**	**97**	**35 J**	**18**	**48**	**120**
Cadmium	39	2	2.6	NA	NA	**0.051 J**	**0.085 J**	< 0.57 U	< 0.55 U	< 0.2 U	< 0.21 U	< 0.57 U	**0.25**	**0.19 J**	< 0.24 U	< 0.23 U	< 0.25 U	< 0.22 U
Chromium	1,200	100	7.7	NA	NA	**3.6**	**3.3**	**2.9**	**2.7**	**6.3**	**3**	**8.7**	**6.4**	**4.1**	**2.3**	**1.8**	**3.4**	**3**
Lead	300	75	53	NA	NA	**3.3**	**28**	**8 J**	**470 J**	**4.9**	**4.3**	**8.2 J**	**23**	**6.8**	**5.9**	**4.2**	**6.1**	**7.4**
Mercury	17	0.5	0.39	NA	NA	**0.013 J**	**0.028 J**	**0.067 J**	**0.054 J**	**0.035 J**	**0.017 J**	**0.051 J**	**0.044**	**0.026 J**	**0.036 J**	**0.02 J**	**0.04 J**	**0.061**
Selenium	36	2	1.9	NA	NA	< 0.87 U	< 1 U	< 2.9 UJ	< 2.7 UJ	< 1 U	< 1.1 U	< 2.8 UJ	< 1 U	**0.83 J**	< 1.2 U	< 1.1 U	< 1.2 U	< 1.1 U
Silver	10	2	2.6	NA	NA	**0.11 J**	**0.11 J**	< 1.1 U	< 1.1 U	< 0.51 U	< 0.53 U	< 1.1 U	< 0.5 U	**0.2 J**	< 0.6 U	< 0.57 U	< 0.62 U	< 0.55 U

Footnotes appear on last page.

Table 5-3a
Soil Analytical Results - 2005 and 2006
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	Location ID	Location ID	MCA-SO017D	MCA-SO018	MCA-SO018*	MCA-SO018A	MCA-SO018A	MCA-SO018B	MCA-SO018B2	MCA-SO018C	MCA-SO018C*	MCA-SO018C2	MCA-SO018D
	Sample Date	Sample Date	Sample Date	Feb-06	Oct-05	Feb-06	Feb-06	Apr-06	Feb-06	Apr-06	Feb-06	Feb-06	Apr-06	Feb-06
	Sample Depth (ft bgs)	Sample Depth (ft bgs)	Sample Depth (ft bgs)	5 - 7	0 - 2	0 - 2	0 - 1	0-2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Chemical Name	HSRA NC (1)	HSRA Type 1 RRS (2)	Background (3)											
VOCs - USEPA Method 8260B (mg/kg)														
1,1,2-Trichloroethane		0.5	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.02	0.5	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.02	0.5	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	2.74	400	NA	NA	**0.027**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	21.88	21.88	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	20	70	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	20	1000	NA	NA	< 0.011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	20	1000	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	14.4	100	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.13	0.5	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs - USEPA Method 8270 (mg/kg)														
Acenaphthylene	130	130	NA	< 0.04 U	**0.066 J**	**0.014 J**	< 0.4 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	< 0.039 U
Anthracene	500	500	NA	< 0.04 U	**0.071 J**	**0.035 J**	< 0.4 U	< 0.39 U	**0.040**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	< 0.039 U
Benz(a)anthracene	5	5	NA	< 0.04 U	**0.41 J**	**0.12**	< 0.4 U	< 0.39 U	**0.078**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.011 J**
Benzo(a)pyrene	1.64	1.64	NA	< 0.04 U	**0.41 J**	**0.13**	**0.083 J**	< 0.39 U	**0.034 J**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.0093 J**
Benzo(b)fluoranthene	5	5	NA	< 0.04 U	**0.7 J**	**0.24**	**0.15 J**	< 0.39 U	**0.18**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.022 J**
Benzo(ghi)perylene	500	500	NA	< 0.04 U	**0.24 J**	**0.089**	**0.15 J**	< 0.39 U	**0.074**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.019 J**
Benzo(k)fluoranthene	5	5	NA	< 0.04 U	**0.32 J**	**0.097**	< 0.4 U	< 0.39 U	**0.093**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	< 0.039 U
Bis(2-ethylhexyl)phthalate	50	50	NA	< 0.2 U	< 0.19 U	**0.19 J**	< 2 U	**0.045 J**	< 0.2 U	< 0.39 U	< 0.18 U	< 0.19 U	< 0.44 U	< 0.2 U
Chrysene	5	5	NA	< 0.04 U	**0.5 J**	**0.18**	**0.083 J**	< 0.39 U	**0.12**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.013 J**
Dibenz(a,h)anthracene	5	2	NA	< 0.04 U	**0.092 J**	**0.028 J**	< 0.4 U	< 0.39 U	**0.017 J**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	< 0.039 U
Fluoranthene	500	500	NA	< 0.04 U	**0.78 J**	**0.3**	**0.097 J**	< 0.39 U	**0.11**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.011 J**
Indeno(1,2,3-cd)pyrene	5	5	NA	< 0.04 U	**0.24 J**	**0.081**	**0.1 J**	< 0.39 U	**0.058**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.012 J**
Naphthalene	100	100	NA	< 0.04 U	< 0.038 U	< 0.045 U	**0.091 J**	< 0.39 U	**0.035 J**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.0099 J**
Phenanthrene	110	110	NA	< 0.04 U	**0.1**	**0.12**	**0.12 J**	< 0.39 U	**0.059**	< 0.39 U	< 0.036 U	< 0.037 U	< 0.44 U	**0.023 J**
Metals - USEPA Method 6010 (mg/kg)														
Arsenic	41	20	2.6	**0.83 J**	**2.7 J**	**1.5**	**2.2**	< 1.1 U	**2.7**	**1.5**	**0.6 J**	**0.68 J**	**7**	**1.6**
Barium	500	1000	28	**63**	**32 J**	**29**	**38**	**14**	**83**	**16**	**9.2**	**10**	**57**	**38**
Cadmium	39	2	2.6	< 0.22 U	**0.3**	**0.31**	**0.19 J**	< 0.56 U	**0.18 J**	< 0.52 U	**0.21**	**0.066 J**	< 0.62 U	**0.23**
Chromium	1,200	100	7.7	**3.8**	**5.1**	**4.6**	**4.8**	**2.5**	**4.9**	**3.5**	**2.5**	**2.6**	**2**	**2.2**
Lead	300	75	53	**6.5**	**200**	**150**	**120**	**48 J**	**220**	**9.8 J**	**9.8**	**8.5**	**5,300 J**	**56**
Mercury	17	0.5	0.39	**0.041**	**0.7 J**	**1.4**	**0.89**	**0.029 J**	**0.18**	**0.025 J**	**0.046**	**0.066**	**0.084 J**	**0.35**
Selenium	36	2	1.9	< 1.1 U	< 1.1 U	< 1.3 U	< 1.1 U	< 2.8 UJ	< 1.2 U	< 2.6 UJ	< 1 U	< 1.1 U	< 3.1 UJ	< 1.2 U
Silver	10	2	2.6	< 0.56 U	< 0.54 U	< 0.67 U	**0.14 J**	< 1.1 U	**0.29 J**	< 1 U	< 0.51 U	< 0.53 U	< 1.2 U	< 0.58 U

Notes:

* - Duplicate sample

[ ] - Analyte was detected above the HSRA Soil Notification Standard.

BOLD - indicate the analyte was detected

(1) HSRA - GAEPD HSRA Soil Notification Standards (Rule 391-3-19-.04(3)(b))

J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

mg/kg - Milligrams per Kilogram

NA - Not analyzed

U - The analyte was not detected above the reporting limit.

VOCs - Volatile Organic Compounds

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW001	MCA-GW001	GW001*	MCA-GW001	MCA-GW002	GW002*	MCA-GW002	MCA-GW002	MCA-GW003	MCA-GW003	MCA-GW004	MCA-GW004	MCA-GW004	MCA-GW005	MCA-GW005
		Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05
		Sample Depth (ft bgs)	15	30	30	45	15	15	30	45	15	30	16	30	42	8	30
Chemical Name	MCL	Type I RRS															
VOCs - USEPA Method 8260B (µg/L)																	
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	**1.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	**7.1 J**	**6 J**
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**4.6 J**	< 5 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	**6**	**8.5**	< 1 U	**25**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	**2**	< 2 U	**2.5**	**1.2 J**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.87 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	**7.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	**4.4**	< 1 U	**5.6**	**1.9**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	**0.91 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**2.7**	**14**	**19**	< 1 U	**370**	< 1 U	**1.7**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Footnotes appear on last page.

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	GW005*	MCA-GW006	MCA-GW006	MCA-GW006	MCA-GW007	MCA-GW007	MCA-GW007	MCA-GW008	MCA-GW008	MCA-GW008	MCA-GW009	MCA-GW009	GW009*	MCA-GW009
		Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05
		Sample Depth (ft bgs)	30	15	30	45	15	30	39	16	30	45	15	30	30	45
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	**1.4**	**1.3**	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**12**	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1 J**	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**2.8**	< 1 U	< 1 U	**5.5**	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	**1.6**	**23**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**74**	**110**	**130**	**13**
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	**1.2**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	**5.8**	**5.1**	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**5.7**	**75**	**3.9**	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	**6.1**	**8.4**	< 1 U	< 1 U	**3.3**	**1**	< 1 U	< 1 U	< 1 U	**950**	**490**	**610**	**13**

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Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW010	MCA-GW011	MCA-GW011	MCA-GW011	MCA-GW013	MCA-GW013	MCA-GW013	MCA-GW014	MCA-GW014*	MCA-GW015	MCA-GW015	GW015*	MCA-GW015	MCA-GW016
		Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05
		Sample Depth (ft bgs)	13	16	30	45	16	30	45	45	45	16	30	30	37	16
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	< 5 U	**10**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**7.6**	**8.5**	**17**	< 5 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	**0.96 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	**61**	< 1 U	**1.1**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.2**	**1.3**	**34**	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**1.1 J**	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**3.2**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	**1.1**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	**1.4**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	**1.5**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**290**	< 1 U	**1.4**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.84 J**	< 1 U

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Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW016	MCA-GW016	MCA-GW017	MCA-GW018	MCA-GW019	MCA-GW019	MCA-GW019	MCA-GW020	MCA-GW020	MCA-GW020	MCA-GW021	MCA-GW021	MCA-GW021	MCA-GW022
		Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05
		Sample Depth (ft bgs)	30	39	16	16	12	30	45	15	30	45	12	30	45	55
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	**5.2**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**7.7**
Acetone		4,000	**5.6**	**46**	< 5 U	**5.7**	**19**	< 5 U	< 5 U	**6.4**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**54**
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.8**
Carbon disulfide		4,000	< 5 U	< 5 U	**1.4 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1.3 J**
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**15**	< 1 U	< 1 U	**3.2**	**9.8**	< 1 U	< 1 U	< 1 U	**11**
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**2.9**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.1**	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**11**	< 1 U	< 1 U	**12**	**9.1**	< 1 U	**1.2**	< 1 U	**26**

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Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW023	MCA-GW023	MCA-GW023	GW023*	MCA-GW025	MCA-GW025	MCA-GW025	MCA-GW026	MCA-GW027	MCA-GW027	MCA-GW027	MCA-GW028	MCA-GW031	MCA-GW031
		Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05	Oct-05
		Sample Depth (ft bgs)	16	30	45	45	16	30	45	16	16	30	45	16	15	30
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.80 J**	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**8.7**	**18**	**4.4 J**	< 5 UJ	**13 J**
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	**2.2**	**1.3**	**0.90 J**	< 1 U	**140**	< 1 U	< 1 U	**29**	**1.6**	**1.6 J**	< 1 U	**0.88 J**	**1.2**
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 UJ	< 1 UJ
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**46**	**3.8**	**14**	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**420**	**34**	**120**	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	**2.8**	**2.7**	**3.1**	< 1 U	< 10 U	**2.9**	**6.4**	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**90**	**22**	**51**	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	**1.8 J**	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.7**	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**1.3**	**10**	**2.3**	**2**	**3.3**	**76**	< 1 U	< 1 U	< 10 U	< 1 U	< 2 U	< 1 U	**6.8**	**3**

Footnotes appear on last page.

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW031	MCA-GW032	MCA-GW032	MCA-GW032	MCA-GW033	MCA-GW033	MCA-GW033	MCA-GW034	MCA-GW034	MCA-GW034	MCA-GW035	MCA-GW035	MCA-GW035	MCA-GW036
		Sample Date	Oct-05	Oct-05	Oct-05	Oct-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05
		Sample Depth (ft bgs)	45	15	30	45	15	26	45	15	27	45	15	30	45	15
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**18**
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**7.7**	< 5 U	< 5 U	< 5 U	< 5 U	**5.5**
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	**3.6 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**8.5**
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	< 1 U	**4.1**	**1.3**	**1 J**	**11**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**4.8**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	**2.5**	< 1 U	< 1 U	**2.8**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	< 1 U	**35**	**2.6**	**7.0**	**170**	**3.7**	**0.95 J**	< 1 U	< 1 U	**1.1**	< 1 U	< 1 U	< 1 U

Footnotes appear on last page.

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW036	GW036*	MCA-GW036	MCA-GW037	MCA-GW037	MCA-GW037	MCA-GW038	MCA-GW038	MCA-GW038	MCA-GW039	MCA-GW039	MCA-GW039	GW039*	MCA-GW040
		Sample Date	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05
		Sample Depth (ft bgs)	30	30	45	15	30	37	16	30	45	15	30	38	38	15
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	**27**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone		4,000	< 5 U	< 5 U	**15**	< 5 U	< 5 U	< 5 U	**13**	< 5 U	**9.5**	< 5 U	< 5 U	**13**	**12**	< 5 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1.2 J**	< 5 U	< 5 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**11**
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.4**
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**1.6 J**
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1**
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**110**

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Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW040	MCA-GW040	MCA-GW041	GW041*	MCA-GW041	MCA-GW041	MCA-GW042	MCA-GW042B	MCA-GW042B	GW042B*	MCA-GW042B	MCA-GW043	MCA-GW043	MCA-GW043
		Sample Date	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Nov-05	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06
		Sample Depth (ft bgs)	30	45	15	15	30	45	62	15	28	28	45	15	30	45
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**30**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	**1.8**	**7.5**	< 1 U	< 1 U	< 1 U	< 1 U	**3.9**	**2.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	**4.7**	< 1 U	**4.1**	**4.2**	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**2.7**	**26**	< 1 U	< 1 U	< 1 U	< 1 U	**6.7**	**13**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW045	MCA-GW045	MCA-GW045	MCA-GW046	MCA-GW046*	MCA-GW046	MCA-GW046	MCA-GW047	MCA-GW047	MCA-GW047	MCA-GW048	MCA-GW048	MCA-GW048	MCA-GW051
		Sample Date	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06
		Sample Depth (ft bgs)	15	30	45	15	15	30	45	15	30	40	15	28	45	15
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 10 U	< 10 U	**15**	< 10 U
Acetone		4,000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 130 U	**96 J**	< 25 U	< 25 U	**110**	< 25 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	**17**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**2.1**	< 5 U	< 5 U	< 1 U	< 1 U	**11**	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 25 U	< 5 U	< 5 U	< 5 U	< 5 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.1**	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	**0.88 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**2.5**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**59**	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U

Footnotes appear on last page.

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW051	MCA-GW051	MCA-GW052	MCA-GW052	MCA-GW052	MCA-GW052*	MCA-GW054	MCA-GW061	MCA-GW061	MCA-GW061	MCA-GW062	MCA-GW062	MCA-GW062	MCA-GW064
		Sample Date	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06
		Sample Depth (ft bgs)	30	45	15	30	45	45	78	15	26	45	15	30	45	15
Chemical Name	MCL	Type I RRS														
VOCs - USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**11**	**6.4 J**	< 10 U	< 10 U	< 10 U	< 10 U
Acetone		4,000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**44**	**25**	< 25 U	< 25 U	< 25 U	< 25 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.57 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.92 J**
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	< 1 U	**4.9**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.44 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.8**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	< 1 U	**59**	< 1 U	< 1 U	< 1 U	< 1 U	**4.6**	< 1 U	< 1 U	< 1 U	< 1 U	**2.3**	< 1 U

Footnotes appear on last page.

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW064	MCA-GW064	MCA-GW067	MCA-GW067	MCA-GW067	MCA-GW068	MCA-GW068	MCA-GW068	MCA-GW069	MCA-GW069	MCA-GW070	GW070*	MCA-GW070	MCA-GW070	MCA-GW074	GW074*
		Sample Date	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Feb-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06
		Sample Depth (ft bgs)	30	45	15	30	41	15	30	45	15	30	15	30	30	45	15	15
Chemical Name	MCL	Type I RRS																
VOCs - USEPA Method 8260B (µg/L)																		
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 10 U	< 10 U	< 10 U	**4.1 J**	**11**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone		4,000	< 25 U	< 25 U	< 25 U	**18 J**	**13 J**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Benzene	5	5	**1.4**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	**1.1**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	**0.55 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	**74**	**0.72 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**38**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	**1.1**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
n-Propylbenzene			**0.69 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**5.9**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**5**	**25**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Footnotes appear on last page.

Table 5-3b
Groundwater Analyses - 2003 Vertical Profile Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-GW074	MCA-GW074	MCA-GW076	MCA-GW076	MCA-GW076	MCA-GW077	MCA-GW077	MCA-GW077	MCA-GW078	MCA-GW078	MCA-GW078
		Sample Date	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06
		Sample Depth (ft bgs)	30	45	15	30	45	15	30	45	15	30	45
Chemical Name	MCL	Type I RRS											
VOCs - USEPA Method 8260B (µg/L)													
1,1,1,2-Tetrachloroethane		70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene		7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	0.2		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)		2,000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone		4,000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	**34**	**0.7 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform		100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	70	70	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane		1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	**21**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene			< 2 U	< 2 U	< 2 U	**2.9**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
n-Propylbenzene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene			< 1 U	< 1 U	< 1 U	**15**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	**2.5**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes:

* - Duplicate sample

- Indicate the analyte was detected above one of more applicable screening criteria

BOLD - indicate the analyte was detected.

J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).

µg/L - Micrograms per Liter

RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (July 23, 2003).

U - The analyte was not detected above the reporting limit.

VOCs - Volatile Organic Compounds

Table 5-3c
Groundwater Analyses - 2006 Monitor Well Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Well ID	HGL-1B	HGL-1C	HGL-2B	HGL-2C	HGL-3B	HGL-3C	HGL-4B	HGL-4C	HGL-5B	HGL-5C	HGL-6B	HGL-6B*	HGL-6C
		Sample Date	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06
VOCs - USEPA Method 8260B (µg/L)															
Chemical Name	MCL	Type I RRS													
1,1-Dichloroethene	7	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	**3.5 J**	< 5 UJ	< 5 U	< 5 U	< 50 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	**0.91 J**	< 1 UJ	**14**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 50 U
cis-1,2-Dichloroethene	70		< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**12**	**12**	**460**
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	**10**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
m,p-Xylene		10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 UJ	**5.1**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 20 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
o-Xylene		10,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	**7.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	**1.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Trichloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**39**	**39**	**3800**
Vinyl Chloride	2	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U

Footnotes appear on last page.

Table 5-3c
Groundwater Analyses - 2006 Monitor Well Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Well ID	HGL-7B	HGL-7C	HGL-8B	HGL-8B*	HGL-8C	HGL-9B	HGL-9C	HGL-10B	HGL-10B*	HGL-10C	HGL-11B	HGL-11C	XX-15
		Sample Date	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06
VOCs - USEPA Method 8260B (µg/L)															
Chemical Name	MCL	Type I RRS													
1,1-Dichloroethene	7	7	**1.3**	**93**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Acetone		4,000	< 5 UJ	< 250 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 U
Benzene	5	5	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 UJ	< 250 UJ	< 5 U	< 5 U	< 5 U	**1.1 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 U
cis-1,2-Dichloroethene	70		**19**	**3500**	< 1 U	< 1 U	< 1 U	< 1 U	**1.2**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene		10,000	< 2 U	< 100 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene		10,000	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	**29 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**190**	**16000**	**1.9**	**2**	< 1 U	< 1 U	**1.7**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl Chloride	2	2	< 1 U	< 50 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Footnotes appear on last page.

Table 5-3c
Groundwater Analyses - 2006 Monitor Well Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Well ID	XX-17	XX-18	XX-19	XX-21	XX-22	XX-24	XX-25
		Sample Date	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06	Mar-06
VOCs - USEPA Method 8260B (µg/L)									
Chemical Name	MCL	Type I RRS							
1,1-Dichloroethene	7	7	< 1 U	< 1 U	< 1 U	**7.3**	< 1 U	< 1 U	< 1 U
Acetone		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.8 UJ	< 5 U
Benzene	5	5	< 1 U	< 1 U	< 1 U	**1.1**	< 1 U	< 1 U	< 1 U
Carbon disulfide		4,000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	70		< 1 U	**86**	< 1 U	**1000**	**37**	< 1 U	< 1 U
cis-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m,p-Xylene		10,000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene		10,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	1,000	1,000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	100	100	< 1 U	< 1 U	< 1 U	**7.8**	**1.6**	< 1 U	< 1 U
trans-1,3-Dichloropropene		2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	5	**0.93 J**	< 1 U	< 1 U	**240**	**160**	< 1 U	< 1 U
Vinyl Chloride	2	2	< 1 U	< 1 U	< 1 U	**2.1**	**6.9**	< 1 U	< 1 U

Notes:

* - Duplicate sample

[ ] - Indicate the analyte was detected above one or more applicable screening criteria

B - Analyte was detected in an associated blank as well as in the sample.

BOLD - indicate the analyte was detected.

J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).

µg/L - Micrograms per Liter

RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (July 23, 2003).

U - The analyte was not detected above the reporting limit.

VOCs - Volatile Organic Compounds

Table 5-3d
Surface Water Analyses - 2005 and 2006
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	MCA-SW001-1005	MCA-SW002-1005	MCA-SWDUP101-1005 (SW002-1005)*	MCA-SW003-1005	MCA-SW004-1005	MCA-SW005-1005	MCA-SW006-1005
		Sample Date	10/1/2005	10/1/2005	10/1/2005	10/1/2005	10/1/2005	10/1/2005	10/1/2005
Chemical Name	MCL	IWQS							
VOCs - US EPA Method 8260B (ug/L)									
1,1,1,2-Tetrachloroethane			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	200		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	7,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	37	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	5	51	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		140	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		470	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	70		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	700	2,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene			< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methylene chloride	5	590	< 1.0	< 1.0	**4.9 J**	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	1,000	5,980	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	5	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	2	2.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
* - Duplicate sample
BOLD - indicate the analyte was detected.
IWQS - In-stream Water Quality Standards - Federal Clean Water Act (391-3-6-.03)
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).
µg/L - Micrograms per Liter
VOCs - Volatile Organic Compounds

Table 5-3e
Sediment Analyses - 2005 and 2006
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	MCA-SD001-1005	MCA-SD002-1005	MCA-SDDUP101-1005 (SD002-1005)*	MCA-SD003-1005	MCA-SD004-1005	MCA-SD005-1005	MCA-SD006-1005	MCA-SD007-0206	MCA-SD008-0206	MCA-SDDUP101-0206 (SD008-0206)*	MCA-SD009-0206
	Sample Date	10/1/2005	10/1/2005	10/1/2005	10/1/2005	10/1/2005	10/1/2005	10/1/2005	2/1/2006	2/1/2006	2/1/2006	2/1/2006
Chemical Name	HSRA											
VOCs - USEPA Method 8260B (mg/kg)												
1,1,1,2-Tetrachloroethane	1.03	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,1,1-Trichloroethane		<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,1,2,2-Tetrachloroethane	0.13	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,1,2-Trichloroethane		<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,1-Dichloroethane	0.03	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,1-Dichloroethene	0.36	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,2,3-Trichloropropane	0.54	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,2-Dibromo-3-chloropropane		<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,2-Dibromoethane	0.01	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,2-Dichlorobenzene	25	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,2-Dichloroethane	0.02	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,2-Dichloropropane	0.02	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
1,3-Dichloropropane	1,000	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
2-Butanone (MEK)	0.79	**0.011**	**0.0091 J**	**0.023 J**	**0.013**	**0.018**	**0.0085**	**0.0099**	<0.006	<0.0062	**0.0047 J**	**0.0066 J**
4-Methyl-2-Pentanone	3.3	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Acetone	2.74	**0.082**	**0.044**	**0.073 J**	**0.078**	**0.062**	**0.05**	**0.046**	**0.0065**	<0.0062	**0.01**	**0.022**
Benzene	0.02	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Bromodichloromethane	1.18	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Bromoform	1	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Bromomethane	0.8	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Carbon disulfide	DL	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Carbon Tetrachloride	0.17	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Chlorobenzene	4.18	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Chloroethane	0.17	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Chloroform	0.68	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Chloromethane	0.04	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
cis-1,2-Dichloroethene		<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
cis-1,3-Dichloropropene		<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Dibromochloromethane	1.63	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Dibromomethane	1,000	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Dichlorodifluoromethane	1.49	<0.007	<0.0064	<0.0067	**0.011**	<0.0079	**0.0094**	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Ethylbenzene	20	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Isopropylbenzene	21.88	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
m,p-Xylene	20	<0.014	<0.013	<0.013	<0.015	<0.016	<0.012	<0.014	<0.012	<0.012	<0.013	<0.015
Methylene chloride	0.08	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
o-Xylene	20	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Styrene	14	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Tetrachloroethene	0.18	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Toluene	14.4	<0.007	<0.0064	**0.0086 J**	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
trans-1,2-Dichloroethene	0.53	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
trans-1,3-Dichloropropene		<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Trichloroethene	0.13	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Trichlorofluoromethane	0.7	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076
Vinyl Chloride	0.04	<0.007	<0.0064	<0.0067	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062	<0.0063	<0.0076

Notes:
* - Duplicate sample
BOLD - indicate the analyte was detected
HSRA - GAEPD HSRA Soil Notification Standards (Rule 391-3-19-.04(3)(b)
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
mg/kg - Milligrams per Kilogram
VOCs - Volatile Organic Compounds

Table 5-4
Groundwater Elevation Data Table
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Wellll Identification	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft AMSL)	Date of Water Level Measurement	February 2010 Depth to Water (ft BTOC)	February 2010 Water Elevation (ft AMSL)	September 8, 2011 Depth to Water (ft BTOC)	September 2011 Water Elevation (ft AMSL)
Shallow Wells								
HGL-1B	25	15-25	21.50	2/1/10	3.47	18.03	9.33	12.17
HGL-2B	25	15-25	12.71	2/1/10	Could Not Locate		Destroyed	
HGL-3B	25	15-25	14.01	2/1/10	Did Not Measure		Did Not Measure	
HGL-4B	25	15-25	21.50	2/1/10	4.62	16.88	6.48	15.02
HGL-5B	24	14-24	28.69	2/1/10	1.59	27.10	3.82	24.87
HGL-6B	25	15-25	35.74	2/1/10	7.13	28.61	11.27	24.47
HGL-7B	25	15-25	33.64	2/1/10	8.72	24.92	12.34	21.30
HGL-8B	23.5	13.5-23.5	25.91	2/1/10	3.97	21.94	9.22	16.69
HGL-9B	24	14-24	33.97	2/1/10	6.61	27.36	10.59	23.38
HGL-10B	25	15-25	23.39	2/1/10	3.13	20.26	4.36	19.03
HGL-11B	25	15-25	36.37	2/1/10	8.38	27.99	10.31	26.06
XX-04	12	1.9-11.9	17.01	2/1/10	Could Not Locate		Could Not Locate	
XX-05	12	1.8-11.8	18.21	2/1/10	Could Not Locate		Could Not Locate	
XX-06	12	1.9-11.9	20.67	2/1/10	Could Not Locate		Could Not Locate	
XX-07	12	1.8-11.8	20.06	2/1/10	Could Not Locate		Could Not Locate	
XX-08	13	3.0-13.0	30.42	2/1/10	8	22.42	Did Not Measure	
XX-09	12	2.0-12.0	24.63	2/1/10	Could Not Locate		Could Not Locate	
XX-10	12	2.0-12.0	20.55	2/1/10	2.16	18.39	Did Not Measure	
XX-11	12	2.0-12.0	24.84	2/1/10	Could Not Locate		Destroyed	
XX-12	12	2.0-12.0	30.43	2/1/10	7.29	23.14	Did Not Measure	
XX-13	12	1.8-11.8	22.49	2/1/10	2.8	19.69	Did Not Measure	
XX-14	12	1.8-11.8	27.62	2/1/10	4.37	23.25	Did Not Measure	
XX-15	12	1.9-11.9	26.49	2/1/10	4.35	22.14	Did Not Measure	
XX-22	31	26.0-31.0	25.17	2/1/10	Could Not Locate		Destroyed	
XX-25	34	29.0-34.0	33.51	2/1/10	5.81	27.70	9.19	24.32
XX-26 (1-S)	--	23.7-28.7	26.16	2/1/10	6.2	19.96	9.90	16.26
H15-MW-01B	25	15-25	37.19	2/1/10	7.83	29.36	11.47	25.72
H15-MW-02B	25	15-25	37.73	2/1/10	9.03	28.70	12.15	25.58
H15-MW-03B	25	15-25	36.20	Not Measured - Installed 3/31/10			10.73	25.47
H15-MW-05B	25	15-25	18.72	Not Measured - Installed 4/1/10			9.16	9.56
H15-MW-07B	25	15-25	37.73	Not Measured - Installed 5/4/10			10.34	27.39
H15-MW-14B	25	15-25	37.37	Not Measured - Installed 8/3/11			10.51	26.86
H15-MW-15B	25	15-25	36.19	Not Measured - Installed 8/8/11			7.84	28.35
H15-MW-16B	25	15-25	33.89	Not Measured - Installed 7/25/11			10.38	23.51
H15-MW-17B	25	15-25	35.66	Not Measured - Installed 7/24/11			12.46	23.2
H15-MW-18B	25	15-25	20.27	Not Measured - Installed 7/24/11			10.49	9.78
H-15-MW-19B	25	15-25	24.33	Not Measured - Installed 7/25/11			7.80	16.53

Footnotes appear on last page.

Table 5-4
Groundwater Elevation Data Table
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Wellll Identification	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft AMSL)	Date of Water Level Measurement	February 2010 Depth to Water (ft BTOC)	February 2010 Water Elevation (ft AMSL)	September 8, 2011 Depth to Water (ft BTOC)	September 2011 Water Elevation (ft AMSL)
Deep Wells								
HGL-1C	40	30-40	21.48	2/1/10	9.55	11.93	11.6	9.88
HGL-2C	44	34-44	12.75	2/1/10	Could Not Locate		Destroyed	
HGL-3C	40	30-40	13.93	2/1/10	Did Not Measure		Did Not Measure	
HGL-4C	40	30-40	21.47	2/1/10	4.58	16.89	6.46	15.01
HGL-5C	39	29-39	28.71	2/1/10	1.54	27.17	3.93	24.78
HGL-6C	40	30-40	35.55	2/1/10	7.51	28.04	11.69	23.86
HGL-7C	44	34-44	33.64	2/1/10	11	22.64	13.89	19.75
HGL-8C	44	34-44	25.93	2/1/10	9.65	16.28	12.87	13.06
HGL-9C	39	29-39	33.89	2/1/10	7.8	26.09	10.75	23.14
HGL-10C	40	30-40	23.39	2/1/10	3.14	20.25	4.38	19.01
HGL-11C	40	30-40	36.39	2/1/10	8.43	27.96	10.36	26.03
XX-16	46	40-45	N/A	2/1/10	Could Not Locate		Destroyed	
XX-17	46	40-45	21.28	2/1/10	6	15.28	8.02	13.26
XX-18	45	40-45	29.57	2/1/10	11.91	17.66	14.51	15.06
XX-19	43	37-42	35.8	2/1/10	9.38	26.42	12.32	23.48
XX-20	43	37-42	33.26	2/1/10	Could Not Locate		Destroyed	
XX-21	47	42.9-47.9	37.31	2/1/10	9.72	27.59	12.87	24.44
XX-23	45	41.4-46.4	34.59	2/1/10	Could Not Locate		Destroyed	
XX-24	46	36.8-41.8	35.77	2/1/10	Could Not Locate		Destroyed	
XX-26 (2-M)	--	29.9-34.8	26.21	2/1/10	7.97	18.24	11.36	14.85
XX-26 (3-D)	--	37.4-42.3	26.15	2/1/10	9.14	17.01	11.83	14.32
H15-MW-01C	45	35-45	37.22	2/1/10	8.4	28.82	11.57	25.65
H15-MW-02C	45	35-45	37.34	Not Measured - Installed 1/26/10			12.41	24.93
H15-MW-02D	73	68-73	37.44	Not Measured - Installed 8/20/11			20.31	17.13
H15-MW-02E	125	120-125	37.78	Not Measured - Installed 8/24/11			25.10	12.68
H15-MW-03C	45	35-45	36.20	Not Measured - Installed 3/31/10			11.24	24.96
H15-MW-04C	45	35-45	33.09	Not Measured - Installed 3/31/10			12.71	20.38
H15-MW-05C	45	35-45	18.62	Not Measured - Installed 5/3/10			9.35	9.27
H15-MW-06C	45	35-45	22.29	Not Measured - Installed 5/3/10			9.58	12.71
H15-MW-07C	45	35-45	37.56	Not Measured - Installed 5/5/10			10.22	27.34
H15-MW-08C	45	35-45	20.64	Not Measured - Installed 8/4/11			9.95	10.69
H15-MW-09C	45	35-45	28.32	Not Measured - Installed 8/2/11			13.38	14.94
H15-MW-10C	45	35-45	36.07	Not Measured - Installed 8/2/11			11.72	24.35
H15-MW-11C	45	35-45	22.93	Not Measured - Installed 8/2/11			8.43	14.5
H15-MW-12C	44.5	34.5-44.5	24.33	Not Measured - Installed 8/3/11			7.01	17.32
H15-MW-13C	45	35-45	28.24	Not Measured - Installed 8/4/11			7.47	20.77
H15-MW-14C	45	35-45	37.49	Not Measured - Installed 8/3/11			11.42	26.07
H15-MW-15C	45	35-45	36.13	Not Measured - Installed 8/8/11			7.80	28.33
H15-MW-20E	125	120-125	33.65	Not Measured - Installed 8/29/11			29.10	4.55

Notes:
ft bgs - feet below ground surface
ft AMSL - feet above mean sea level
ft BTOC - feet below top of casing
N/A - XX-16 well destroyed before survey complete
'--' - indicates total well depth not measured

Table 5-5
Monitor Well Pair Groundwater Hydraulic Head Comparison
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Well ID	HGL-1B	HGL-1C	HGL-4B	HGL-4C	HGL-5B	HGL-5C	HGL-6B	HGL-6C	HGL-7B	HGL-7C	HGL-8B	HGL-8C
Date	2/1/2010		2/1/2010		2/1/2010		2/1/2010		2/1/2010		2/1/2010	
Well Depth (ft bgs)	25	40	25	40	24	39	25	40	25	44	23.5	44
TOC Elevation (ft MSL)	21.5	21.48	21.5	21.47	28.69	28.71	35.74	35.55	33.64	33.64	25.91	25.93
Water Level (ft btoc)	3.47	9.55	4.62	4.58	1.59	1.54	7.13	7.51	8.72	11.00	3.97	9.65
Groundwater Elevation (ft MSL)	18.03	11.93	16.88	16.89	27.10	27.17	28.61	28.04	24.92	22.64	21.94	16.28
Vertical Gradient	-0.41		0.00		0.00		-0.04		-0.12		-0.28	
Vertical Head Difference (feet)	-6.10		0.01		0.07		-0.57		-2.28		-5.66	

Well ID	HGL-9B	HGL-9C	HGL-10B	HGL-10C	HGL-11B	HGL-11C	H15-MW-01B	H15-MW-01C	H15-MW-03B	H15-MW-03C	H15-MW-07B	H15-MW-07C
Date	2/1/2010		2/1/2010		2/1/2010		2/1/2010		4/12/2010		5/13/2010	
Well Depth (ft bgs)	24	39	25	40	25	40	25	45	25	45	25	45
TOC Elevation (ft MSL)	33.97	33.89	23.39	23.39	36.37	36.39	37.19	37.22	36.2	36.28	37.73	37.56
Water Level (ft btoc)	6.61	7.80	3.13	3.14	8.38	8.43	7.83	8.40	8.82	9.38	9.71	9.44
Groundwater Elevation (ft MSL)	27.36	26.09	20.26	20.25	27.99	27.96	29.36	28.82	27.38	26.90	28.02	28.12
Vertical Gradient	-0.08		0.00		0.00		-0.03		-0.02		0.01	
Vertical Head Difference (feet)	-1.27		-0.01		-0.03		-0.54		-0.48		0.10	

Notes on last page.

Table 5-5
Monitor Well Pair Groundwater Hydraulic Head Comparison
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Well ID	HGL-1B	HGL-1C	HGL-4B	HGL-4C	HGL-5B	HGL-5C	HGL-6B	HGL-6C	HGL-7B	HGL-7C	HGL-8B	HGL-8C
Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
Well Depth (ft bgs)	25	40	25	40	24	39	25	40	25	44	23.5	44
TOC Elevation (ft MSL)	21.5	21.48	21.5	21.47	28.69	28.71	35.74	35.55	33.64	33.64	25.91	25.93
Water Level (ft btoc)	9.33	11.60	6.48	6.46	3.82	3.93	11.27	11.69	12.34	13.89	9.22	12.87
Groundwater Elevation (ft MSL)	12.17	9.88	15.02	15.01	24.87	24.78	24.47	23.86	21.30	19.75	16.69	13.06
Vertical Gradient	-0.15		0.00		-0.01		-0.04		-0.08		-0.18	
Vertical Head Difference (feet)	-2.29		-0.01		-0.09		-0.61		-1.55		-3.63	

Well ID	HGL-9B	HGL-9C	HGL-10B	HGL-10C	HGL-11B	HGL-11C	H15-MW-01B	H15-MW-01C	H15-MW-03B	H15-MW-03C	H15-MW-07B	H15-MW-07C
Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
Well Depth (ft bgs)	24	39	25	40	25	40	25	45	25	45	25	45
TOC Elevation (ft MSL)	33.97	33.89	23.39	23.39	36.37	36.39	37.19	37.22	36.2	36.20	37.73	37.56
Water Level (ft btoc)	10.59	10.75	4.36	4.38	10.31	10.36	11.47	11.57	10.73	11.24	10.34	10.22
Groundwater Elevation (ft MSL)	23.38	23.14	19.03	19.01	26.06	26.03	25.72	25.65	25.47	24.96	27.39	27.34
Vertical Gradient	-0.02		0.00		0.00		0.00		-0.03		0.00	
Vertical Head Difference (feet)	-0.24		-0.02		-0.03		-0.07		-0.51		-0.05	

Notes on last page.

Table 5-5
Monitor Well Pair Groundwater Hydraulic Head Comparison
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Well ID	HGL-7C	H15-MW-20E	H15-MW-02B	H15-MW-02C	H15-MW-02C	H15-MW-02D	H15-MW-02C	H15-MW-02E
Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011	
Well Depth (ft bgs)	44	125	25	45	45	73	45	125
TOC Elevation (ft MSL)	33.64	33.65	37.73	37.34	37.34	37.44	37.34	37.78
Water Level (ft btoc)	13.89	29.10	12.15	12.41	12.41	20.31	12.41	25.10
Groundwater Elevation (ft MSL)	19.75	4.55	25.58	24.93	24.93	17.13	24.93	12.68
Vertical Gradient	-0.19		-0.03		-0.28		-0.15	
Vertical Head Difference (feet)	-15.20		-0.65		-7.80		-12.25	

Notes:

ft bgs - feet below ground surface

ft btoc - feet below top of casing

ft MSL - feet above mean sea level

* - TOC elevation for HGL-3B is from historical survey data

Table 5-6a
Soil Analytical Results
2009-2010
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-SB01	H15-SB01	H15-SB01	H15-SB03	H15-SB03	H15-SB03	H15-SB03A	H15-SB03A	H15-SB03A	H15-SB03C	H15-SB03C	H15-SB03C	H15-SB12
	Sample Date	12/1/2009	12/1/2009	12/1/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/18/2009	12/18/2009	12/18/2009	12/3/2009
	SampleDepth (ft bgs)	(24-25)	(34-35)	(42-43)	(36-37)	(44-45)	(47-48)	(34-35)	(39-40)	(44-45)	(34-35)	(39-40)	(44-45)	(38-39)
Chemical Name	HSRA													
VOCs - USEPA Method 8260B (mg/kg)														
1,1,1-Trichloroethane	5.44	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,1,2,2-Tetrachloroethane	0.13	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,1,2-Trichloro-1,2,2-Trifluoroethane	6.92	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,1,2-Trichloroethane	0.5	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,1-Dichloroethane	0.03	<0.0037	**0.0013 J**	**0.00072 J**	<0.0023	**0.0012 J**	<0.0027	**2.1 J**	**0.00082 J**	**0.00095 J**	<0.0033	<0.120	**0.001**	<0.0035
1,1-Dichloroethene	0.36	<0.0037	**0.0014 J**	<0.0035	<0.0023	**0.0044**	<0.0027	**7.3**	**0.0048**	**0.01**	<0.0033	<0.120	**0.0053**	**0.0019 J**
1,2,4-Trichlorobenzene	10.8	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,2-Dibromo-3-chloropropane	--	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,2-Dibromoethane	0.01	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,2-Dichlorobenzene	25	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	**0.0016 J**	<0.120	<0.0036	<0.0035
1,2-Dichloroethane	0.02	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,2-Dichloropropane	0.02	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,3-Dichlorobenzene	2.22	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
1,4-Dichlorobenzene	0.13	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
2-Butanone	0.79	<0.0075	<0.0059	<0.0071	<0.0046	<0.0055	<0.0054	< 0.005	<0.0056	<0.0079	<0.0067	<0.120	<0.0072	<0.007
2-Hexanone	--	<0.0075	<0.0059	<0.0071	<0.0046	<0.0055	<0.0054	< 0.005	<0.0056	<0.0079	<0.0067	<0.480	<0.0072	<0.007
4-Methyl-2-pentanone	3.3	<0.0075	<0.0059	<0.0071	<0.0046	<0.0055	<0.0054	< 0.005	<0.0056	<0.0079	<0.0067	<0.480	<0.0072	<0.007
Acetone	2.74	**0.020 J**	**0.026 J**	**0.075 J**	**0..024 J**	<0.011	**0.035 J**	**0.027**	**0.019**	**0.028**	**0.009 J**	<0.480	<0.0036	**0.034**
Benzene	0.02	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	**0.00069 J**	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Benzene, 1-methylethyl	21.9	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Bromodichloromethane	1.18	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Bromoform	1	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Bromomethane	0.8	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Carbon disulfide	--	<0.0037	**0.0086**	**0.012**	<0.0023	**0.0025 J**	**0.0064**	**0.0041**	**0.0061**	**0.0046**	**0.0094 J**	<0.120	**0.005**	**0.002 J**
Carbon tetrachloride	0.17	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
CFC-11	0.7	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
CFC-12	1.49	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Chlorobenzene	4.18	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Chloroethane	0.17	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Chloroform	0.68	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Chloromethane	0.04	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
cis-1,2-Dichloroethene	0.53	**0.00056 J**	**0.120 J**	**0.66**	**0.0082**	**820**	**0.053**	**0.2**	**1.2**	**2**	**0.075**	**0.72**	**0.5**	**0.3**
cis-1,3-Dichloropropene	--	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Cyclohexane	25	<0.0037	<0.0029	<0.0035	<0.0023	**0.0022 J**	**0.0078**	<0.0025	<0.0028	**0.0028 J**	<0.0033	<0.120	<0.0036	<0.0035
Dibromochloromethane	1.63	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Ethylbenzene	20	<0.0037	<0.0029	<0.0035	<0.0023	**0.0017 J**	**0.0029**	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035

Footnotes appear on last page.

Table 5-6a
Soil Analytical Results
2009-2010
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-SB01	H15-SB01	H15-SB01	H15-SB03	H15-SB03	H15-SB03	H15-SB03A	H15-SB03A	H15-SB03A	H15-SB03C	H15-SB03C	H15-SB03C	H15-SB12
	Sample Date	12/1/2009	12/1/2009	12/1/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/18/2009	12/18/2009	12/18/2009	12/3/2009
	SampleDepth (ft bgs)	(24-25)	(34-35)	(42-43)	(36-37)	(44-45)	(47-48)	(34-35)	(39-40)	(44-45)	(34-35)	(39-40)	(44-45)	(38-39)
Chemical Name	HSRA													
VOCs Continued - USEPA Method 8260B (mg/kg)														
Methyl acetate	--	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Methylcyclohexane	--	<0.0037	<0.0029	<0.0035	<0.0023	**0.0077**	**0.018**	**0.00066 J**	<0.0028	**0.0023 J**	**0.0018 J**	<0.120	<0.0036	<0.0035
Methylene chloride	0.08	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Styrene	14	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
tert-Butyl methyl ether	--	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Tetrachloroethene	0.13	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Toluene	14.4	<0.0037	<0.0029	**0.0018 J**	<0.0023	**0.0035**	**0.0013 J**	**0.0032**	**0.0026 J**	**0.0042**	**0.0016 J**	<0.120	**0.0016 J**	**0.0014 J**
trans-1,2-Dichloroethene	0.53	<0.0037	**0.0015 J**	**0.01**	<0.0023	**0.017**	**0.00099 J**	**0.007**	**0.0075**	**0.018**	**0.002 J**	<0.120	**0.014**	**0.011**
trans-1,3-Dichloropropene	--	<0.0037	<0.0029	<0.0035	<0.0023	<0.0028	<0.0027	<0.0025	<0.0028	<0.004	<0.0033	<0.120	<0.0036	<0.0035
Trichloroethene	0.13	**0.13**	**1.5**	**0.34**	**0.03**	**5.7**	<0.0033	**7.4**	**21**	**7.6**	**1.2**	**13**	**2.3**	**1.6**
Vinyl chloride	0.04	<0.0037	<0.0029	<0.0035	<0.0023	**0.0014 J**	<0.0027	**0.001 J**	**0.0011 J**	**0.0030 J**	<0.0033	<0.120	**0.0014 J**	<0.0035
Xylenes (total)	20	<0.0037	<0.0029	<0.0035	<0.0023	**0.012**	**0.023**	<0.0025	<0.0028	**0.0071**	**0.0024 J**	<0.120	<0.0036	<0.0035
Metals - USEPA Method 6010 (mg/kg)														
Lead	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes appear on last page.

Table 5-6a
Soil Analytical Results
2009-2010
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-SB12	H15-SB12	H15-SB12A	H15-SB12A	H15-SB12A	H15-SB20	H15-SB20	H15-SB20	H15-SB21	H15-SB21	H15-SB21
	Sample Date	12/3/2009	12/3/2009	12/4/2009	12/4/2009	12/4/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009
	SampleDepth (ft bgs)	(42-43)	(44-45)	(34-35)	(42-43)	(49-50)	(34-35)	(39-40)	(44-45)	(21-22)	(39-40)	(44-45)
Chemical Name	HSRA											
VOCs - USEPA Method 8260B (mg/kg)												
1,1,1-Trichloroethane	5.44	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,1,2,2-Tetrachloroethane	0.13	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,1,2-Trichloro-1,2,2-Trifluoroethane	6.92	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,1,2-Trichloroethane	0.5	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,1-Dichloroethane	0.03	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,1-Dichloroethene	0.36	**0.0028 J**	**0.0072**	**0.0012 J**	**0.0014 J**	**0.0027 J**	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,2,4-Trichlorobenzene	10.8	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,2-Dibromo-3-chloropropane	--	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,2-Dibromoethane	0.01	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,2-Dichlorobenzene	25	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,2-Dichloroethane	0.02	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,2-Dichloropropane	0.02	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,3-Dichlorobenzene	2.22	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
1,4-Dichlorobenzene	0.13	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
2-Butanone	0.79	<0.009	<0.0081	<0.0058	<0.0055	<0.0065	<0.008	<0.0061	<0.0052	<0.0061	<0.0056	<0.0072
2-Hexanone	--	<0.009	<0.0081	<0.0058	<0.0055	<0.0065	<0.008	<0.0061	<0.0052	<0.0061	<0.0056	<0.0072
4-Methyl-2-pentanone	3.3	<0.009	<0.0081	<0.0058	<0.0055	<0.0065	<0.008	<0.0061	<0.0052	<0.0061	<0.0056	<0.0072
Acetone	2.74	**0.047**	**0.05**	**0.051 J**	**0.01 J**	<0.013	**0.11**	**0.053**	**0.02**	**0.017**	**0.029**	**0.036**
Benzene	0.02	<0.0045	**0.0027 J**	<0.0029	<0.0027	**0.00073 J**	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Benzene, 1-methylethyl	21.9	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Bromodichloromethane	1.18	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Bromoform	1	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Bromomethane	0.8	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Carbon disulfide	--	**0.0038 J**	**0.0029 J**	**0.0044**	**0.0046**	<0.0033	**0.0023 J**	**0.0012 J**	**0.00084 J**	**0.00093 J**	**0.0051**	<0.0036
Carbon tetrachloride	0.17	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
CFC-11	0.7	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
CFC-12	1.49	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Chlorobenzene	4.18	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Chloroethane	0.17	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Chloroform	0.68	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Chloromethane	0.04	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
cis-1,2-Dichloroethene	0.53	**0.44**	**1.2**	**0.21**	**0.24 J**	<0.0033	<0.004	**0.00054 J**	<0.0026	**0.038**	**0.0027 J**	**0.00071 J**
cis-1,3-Dichloropropene	--	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Cyclohexane	25	<0.0045	**0.0089**	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Dibromochloromethane	1.63	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Ethylbenzene	20	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036

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Table 5-6a
Soil Analytical Results
2009-2010
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-SB12	H15-SB12	H15-SB12A	H15-SB12A	H15-SB12A	H15-SB20	H15-SB20	H15-SB20	H15-SB21	H15-SB21	H15-SB21
	Sample Date	12/3/2009	12/3/2009	12/4/2009	12/4/2009	12/4/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009
	SampleDepth (ft bgs)	(42-43)	(44-45)	(34-35)	(42-43)	(49-50)	(34-35)	(39-40)	(44-45)	(21-22)	(39-40)	(44-45)
Chemical Name	HSRA											
VOCs Continued - USEPA Method 8260B (mg/kg)												
Methyl acetate	--	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Methylcyclohexane	--	<0.0045	**0.0014 J**	**0.00064 J**	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Methylene chloride	0.08	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Styrene	14	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
tert-Butyl methyl ether	--	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Tetrachloroethene	0.13	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Toluene	14.4	**0.0016 J**	**0.0048**	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
trans-1,2-Dichloroethene	0.53	**0.014**	**0.015**	**0.0051**	**0.0068**	**0.0049**	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
trans-1,3-Dichloropropene	--	<0.0045	<0.0041	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Trichloroethene	0.13	**1.2**	**3**	**0.95 J**	**0.28 J**	**0.94 J**	**0.019 J**	**0.0029 J**	**0.0012 J**	**0.18**	**0.0037**	<0.0036
Vinyl chloride	0.04	**0.00095 J**	**0.0023 J**	**0.00066 J**	**0.002 J**	**0.0014 J**	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Xylenes (total)	20	<0.0045	**0.0069**	<0.0029	<0.0027	<0.0033	<0.004	<0.003	<0.0026	<0.003	<0.0028	<0.0036
Metals - USEPA Method 6010 (mg/kg)												
Lead	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes appear on last page.

Table 5-6a
Soil Analytical Results
2009-2010
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-SB25	H15-SB47	H15-SB47	H15-SB47	H15-SEP01	H15-SEP01	H15-SEP01	H15-PB1	H15-PB1	H15-PB2	H15-PB2	H15-PB3	H15-PB3
	Sample Date	12/1/2009	12/4/2009	12/4/2009	12/4/2009	12/18/2009	12/18/2009	12/18/2009	12/5/2009	12/5/2009	12/5/2009	12/5/2009	12/5/2009	12/5/2009
	SampleDepth (ft bgs)	(42-44)	(29-30)	(34-35)	(42-43)	(22-23)	(38-39)	(44-45)	(2)	(4.5)	(2)	(5)	(2)	(5)
Chemical Name	HSRA													
VOCs - USEPA Method 8260B (mg/kg)														
1,1,1-Trichloroethane	5.44	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	0.13	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	6.92	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	0.03	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.36	**0.0064**	**0.0023**	**0.0038**	**0.034**	<0.0034	**<0.0027**	<0.0025	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	10.8	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	--	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.01	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	25	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.02	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.02	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2.22	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.13	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
2-Butanone	0.79	<0.0054	<0.0045	<0.0062	<0.0047	<0.0068	**0.0011 J**	<0.0049	NA	NA	NA	NA	NA	NA
2-Hexanone	--	<0.0054	<0.0045	<0.0062	<0.0047	**0.0085**	<0.0054	**<0.0049**	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	3.3	<0.0054	<0.0045	<0.0062	<0.0047	<0.0068	<0.0054	<0.0025	NA	NA	NA	NA	NA	NA
Acetone	2.74	**0.033 J**	**0.032 J**	**0.032 J**	<0.0094	<0.014	**0.018**	**0.0079 J**	NA	NA	NA	NA	NA	NA
Benzene	0.02	**0.0019 J**	<0.0023	<0.0031	**0.0028**	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Benzene, 1-methylethyl	21.9	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1.18	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Bromoform	1	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Bromomethane	0.8	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0054	<0.0025	NA	NA	NA	NA	NA	NA
Carbon disulfide	--	**0.0089**	**0.0086**	**0.0095**	**0.0072**	<0.0034	**0.0011 J**	**0.00094 J**	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.17	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
CFC-11	0.7	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
CFC-12	1.49	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Chlorobenzene	4.18	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Chloroethane	0.17	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Chloroform	0.68	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Chloromethane	0.04	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	0.53	**0.47**	**0.019**	**0.083**	**2.0 J**	**0.028 J**	**0.00048 J**	**0.0006 J**	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	--	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Cyclohexane	25	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Dibromochloromethane	1.63	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Ethylbenzene	20	**0.0016 J**	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA

Footnotes appear on last page.

Table 5-6a
Soil Analytical Results
2009-2010
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-SB25	H15-SB47	H15-SB47	H15-SB47	H15-SEP01	H15-SEP01	H15-SEP01	H15-PB1	H15-PB1	H15-PB2	H15-PB2	H15-PB3	H15-PB3
	Sample Date	12/1/2009	12/4/2009	12/4/2009	12/4/2009	12/18/2009	12/18/2009	12/18/2009	12/5/2009	12/5/2009	12/5/2009	12/5/2009	12/5/2009	12/5/2009
	SampleDepth (ft bgs)	(42-44)	(29-30)	(34-35)	(42-43)	(22-23)	(38-39)	(44-45)	(2)	(4.5)	(2)	(5)	(2)	(5)
Chemical Name	HSRA													
VOCs Continued - USEPA Method 8260B (mg/kg)														
Methyl acetate	--	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Methylcyclohexane	--	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Methylene chloride	0.08	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Styrene	14	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
tert-Butyl methyl ether	--	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.13	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Toluene	14.4	**0.0049**	<0.0023	<0.0031	**0.0024**	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	0.53	**0.0051**	<0.0023	**0.002 J**	**0.021**	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	--	<0.0027	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Trichloroethene	0.13	**1.3**	**1.7 J**	**1.7 J**	**1.8 J**	**0.029**	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.04	<0.0027	<0.0023	<0.0031	**0.011**	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Xylenes (total)	20	**0.0017 J**	<0.0023	<0.0031	<0.0023	<0.0034	<0.0027	<0.0025	NA	NA	NA	NA	NA	NA
Metals - USEPA Method 6010 (mg/kg)														
Lead	300	NA	NA	NA	NA	NA	NA	NA	**11**	**10**	**6.6**	**2.0**	**2.5**	**4.9**

Notes:
* - Duplicate sample
[ ] - Analyte was detected above the HSRA Soil Notification Standard.
BOLD - indicate the analyte was detected
HSRA - GAEPD HSRA Soil Notification Standards (Rule 391-3-19-.04(3)(b)
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
mg/kg - Milligrams per Kilogram
NA - Not analyzed.
VOCs - Volatile Organic Compounds

Table 5-6b
Soil Analytical Results - 2011 Vertical Delineation Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-02E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E
	Sample Date	8/17/2011	8/17/2011	8/17/2011	8/17/2011	8/17/2011	8/18/2011	8/18/2011	8/18/2011	8/18/2011	8/18/2011	8/23/2011	8/23/2011	8/21/2011	8/21/2011	8/21/2011	8/21/2011
	SampleDepth (ft bgs)	(72-74)	(77-79)	(82-84)	(87-89)	(92-94)	(97-99)	(102-104)	(107-109)	(112-114)	(116-118)	(119-121)	(123-125)	(46-48)	(51-53)	(56-58)	(61-63)
Chemical Name	HSRA																
VOCs - USEPA Method 8260B (ug/kg)																	
1,1,1-Trichloroethane	5440	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,1,2,2-Tetrachloroethane	130	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	6920	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,1,2-Trichloroethane	500	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,1-Dichloroethane	30	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,1-Dichloroethene	360	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	**1.5 J**	< 5.2	< 5.3
1,2,4-Trichlorobenzene	10800	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,2-Dibromo-3-chloropropane	--	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,2-Dibromoethane	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	25000	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,2-Dichloroethane	20	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,2-Dichloropropane	20	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,3-Dichlorobenzene	2220	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
1,4-Dichlorobenzene	130	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
2-Butanone	790	< 13	< 13	< 12	< 16	< 14	< 15	< 18	< 17	< 29	< 15	< 17	< 22	< 46	< 8.9	< 10	< 11
2-Hexanone	--	< 13	< 13	< 12	< 16	< 14	< 15	< 18	< 17	< 29	< 15	< 20	< 22	< 46	< 8.9	< 10	< 11
4-Methyl-2-pentanone	3300	< 13	< 13	< 12	< 16	< 14	< 15	< 18	< 17	< 29	< 15	< 17	< 22	< 46	< 8.9	< 10	< 11
Acetone	2740	< 27	< 27	< 23	< 32	**21 J**	**18 J**	**32 J**	< 34	<59	< 30	< 35	**49**	< 91	**35 UB**	< 21	< 21
Benzene	20	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Benzene, 1-methylethyl	21900	NA	NA	NA	NA	NA	NA	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Bromodichloromethane	1180	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Bromoform	1000	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Bromomethane	800	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Carbon disulfide	--	**7.7**	**3.4 J**	**7.3**	**21**	**26**	**18**	**20**	**21**	**74**	**14**	**29**	**94**	**6.0 J**	**2.2 J**	**4.7 J**	**9.1**
Carbon tetrachloride	170	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	<15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
CFC-11	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	1490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	4180	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	<23	< 4.4	< 5.2	< 5.3
Chloroethane	170	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	<23	< 4.4	< 5.2	< 5.3
Chloroform	680	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	<23	< 4.4	< 5.2	< 5.3
Chloromethane	40	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	<23	< 4.4	< 5.2	< 5.3
cis-1,2-Dichloroethene	530	< 6.7	< 6.7	**1.5 J**	**3.3 J**	**2.0 J**	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	**55**	**140**	**2.5 J**	< 5.3
cis-1,3-Dichloropropene	--	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3 UJ	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Cyclohexane	25000	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Dibromochloromethane	1630	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Ethylbenzene	20000	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Methyl acetate	--	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3 UJ	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Methylcyclohexane	--	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Methylene chloride	80	< 6.7	< 6.7	< 5.8	< 7.9 UJ	< 7.2 UJ	< 7.3 UJ	< 9.1	< 8.4	< 15 UJ	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Styrene	14000	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
tert-Butyl methyl ether	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	130	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Toluene	14400	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
trans-1,2-Dichloroethene	530	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
trans-1,3-Dichloropropene	--	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3 UJ	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Trichloroethene	130	**5.8 J**	**4.6 J**	**16**	**39**	**19**	**4.1 J**	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	**580**	**760**	**64**	< 5.3
Vinyl chloride	40	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Xylenes (total)	20000	< 6.7	< 6.7	< 5.8	< 7.9	< 7.2	< 7.3	< 9.1	< 8.4	< 15	< 7.6	< 8.6	< 11	< 23	< 4.4	< 5.2	< 5.3
Metals - USEPA Method 6010 (mg/kg)																	
Lead	300000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes appear on last page.

Table 5-6b
Soil Analytical Results - 2011 Vertical Delineation Samples
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

	Location ID	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E	H15-MW-20E
	Sample Date	8/21/2011	8/21/2011	8/21/2011	8/21/2011	8/22/2011	8/22/2011	8/22/2011	8/22/2011	8/22/2011	8/22/2011	8/22/2011
	SampleDepth (ft bgs)	(66-68)	(71-73)	(76-78)	(81-83)	(86-88)	(91-93)	(96-98)	(101-103)	(106-108)	(111-113)	(116-118)
Chemical Name	HSRA											
VOCs - USEPA Method 8260B (ug/kg)												
1,1,1-Trichloroethane	5440	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,1,2,2-Tetrachloroethane	130	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,1,2-Trichloro-1,2,2-Trifluoroethane	6920	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,1,2-Trichloroethane	500	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,1-Dichloroethane	30	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,1-Dichloroethene	360	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,2,4-Trichlorobenzene	10800	< 7.2	< 8.7 UJ	**7.9 J**	< 5.6 UJ	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,2-Dibromo-3-chloropropane	--	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,2-Dibromoethane	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	25000	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,2-Dichloroethane	20	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,2-Dichloropropane	20	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,3-Dichlorobenzene	2220	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
1,4-Dichlorobenzene	130	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
2-Butanone	790	< 14	**9.2 J**	< 16	< 11	< 12	< 14	< 15	< 15	< 21	< 23	< 21
2-Hexanone	--	< 14	< 17	< 16	< 11	< 12	< 14	< 15	< 15	< 21	< 23	< 21
4-Methyl-2-pentanone	3300	< 14	< 17	< 16	< 11	< 12	< 14	< 15	< 15	< 21	< 23	< 21
Acetone	2740	**50 UJ**	**220 J**	< 32	< 22	< 24	< 29	< 30	< 30	< 43	**38 UB**	**50**
Benzene	20	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Benzene, 1-methylethyl	21900	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Bromodichloromethane	1180	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Bromoform	1000	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Bromomethane	800	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Carbon disulfide	--	**64 J**	**50 J**	< 8.0	**14**	**14**	**17**	**14**	**17**	**59**	**130**	**30**
Carbon tetrachloride	170	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
CFC-11	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	1490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	4180	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Chloroethane	170	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Chloroform	680	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Chloromethane	40	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
cis-1,2-Dichloroethene	530	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
cis-1,3-Dichloropropene	--	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Cyclohexane	25000	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Dibromochloromethane	1630	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Ethylbenzene	20000	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Methyl acetate	--	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Methylcyclohexane	--	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Methylene chloride	80	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Styrene	14000	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
tert-Butyl methyl ether	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	130	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Toluene	14400	< 7.2	< 8.7	**12**	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
trans-1,2-Dichloroethene	530	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
trans-1,3-Dichloropropene	--	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Trichloroethene	130	< 7.2	64	< 8.0	< 5.6 UJ	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Vinyl chloride	40	< 7.2	< 8.7	< 8.0	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Xylenes (total)	20000	< 7.2	< 8.7	**190**	< 5.6	< 5.9	< 7.2	< 7.4	< 7.4	< 11	< 11	< 11
Metals - USEPA Method 6010 (mg/kg)												
Lead	300000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
* - Duplicate sample

BOLD - indicate the analyte was detected.
HSRA - GAEPD HSRA Soil Notification Standards (Rule 391-3-19-.04(3)(b).
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
mg/kg - Milligrams per Kilogram.
NA - Not analyzed.
VOCs - Volatile Organic Compounds
B - Detected in method balnk.

Table 5-7
Groundwater Analyses from the Shallow Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	HGL-1B	HGL-4B	HGL-5B	HGL-6B	HGL-7B	HGL-8B	HGL-9B	HGL-10B	HGL-11B	XX-12	XX-13	XX-15
		Sample Date	2/2/2010	2/2/2010	2/3/2010	2/4/2010	2/4/2010	2/2/2010	2/3/2010	2/2/2010	2/2/2010	2/3/2010	4/12/2010	2/2/2010
Chemical Name	MCL	Type I RRS												
VOCs - USEPA Method 8260B (µg/L)														
1,1,1-Trichloroethane	200	200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	--	0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	--	4,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	7	7	< 0.5	< 0.5	< 0.5	**0.18 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4-Trichlorobenzene	70	70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	.2	0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane (EDB)	.05	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene	600	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene	75	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	--	2,000	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	--	--	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	--	--	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	--	4,000	< 10.0	< 10.0	< 10.0	**18**	**19**	< 10.0	**1.7 J**	< 10.0	< 10.0	**1.1 J**	**4.1 J**	< 10.0
Benzene	5	5	< 0.5	**0.12 JB**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.12 JB**	< 0.5	< 0.5	< 0.5
Benzene, 1-methylethyl	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	--	10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	--	4,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CFC-11	--	2,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CFC-12	--	1,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	100	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorodibromomethane	--	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	--	100	< 0.5	< 0.5	< 0.5	**0.25 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	--	3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	70	--	< 0.5	< 0.5	**0.29 J**	**2.6**	**1.0**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.79**
cis-1,3-Dichloropropene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cyclohexane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	700	700	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylbenzene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
m-Dichlorobenzene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methyl acetate	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl tert-butyl ether	--	--	**7.4**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	--	--	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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Table 5-7
Groundwater Analyses from the Shallow Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	HGL-1B	HGL-4B	HGL-5B	HGL-6B	HGL-7B	HGL-8B	HGL-9B	HGL-10B	HGL-11B	XX-12	XX-13	XX-15
		Sample Date	2/2/2010	2/2/2010	2/3/2010	2/4/2010	2/4/2010	2/2/2010	2/3/2010	2/2/2010	2/2/2010	2/3/2010	4/12/2010	2/2/2010
Chemical Name	MCL	Type I RRS												
VOCs Continued - USEPA Method 8260B (µg/L)														
Methylene Chloride	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	100	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**1.4**	< 0.5	< 0.5	< 0.5
Toluene	1,000	1,000	< 0.5	**0.27 JB**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.39 JB**	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	100	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 U	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 U	< 0.5	< 0.5	< 0.5
Tribromomethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 U	< 0.5	< 0.5	< 0.5
Trichloroethene	5	5	< 0.5	< 0.5	< 0.5	**17**	**40**	**0.12 J**	< 0.5	< 0.5	**0.47 J**	< 0.5	< 0.5	**5.0**
Vinyl Chloride	2	2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 U	< 0.5	< 0.5	< 0.5
Xylenes (total)	10,000	10,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.18 JB**	< 0.5	< 0.5	< 0.5

Footnotes appear on last page.

Table 5-7
Groundwater Analyses from the Shallow Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-25	XX-26 (1-S)	H15-MW-01B	H15-MW-02B	H15-MW-03B	H15-MW-05B	H15-MW-07B	H15-MW-07B*	H15-MW-14B	H15-MW-15B	H15-MW-16B	H15-MW-17B
		Sample Date	2/3/2010	2/3/2010	2/3/2010	2/4/2010	4/12/2010	6/15/2010	5/13/2010	5/13/2010	8/11/2011	8/19/2011	8/10/2011	8/17/2011
Chemical Name	MCL	Type I RRS												
VOCs - USEPA Method 8260B (µg/L)														
1,1,1-Trichloroethane	200	200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	--	0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
1,1,2-Trichloroethane	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	--	4,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	**0.33 J**
1,2,4-Trichlorobenzene	70	70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane (DBCP)	.2	0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	.05	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
1,2-Dichlorobenzene	600	--	< 0.5	< 0.5	< 0.5	< 0.5	**0.37 J**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	**0.41 J**
1,4-Dichlorobenzene	75	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	**0.42 J**
2-Butanone (MEK)	--	2,000	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10
2-Hexanone	--	--	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**0.27 J**	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	--	--	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10
Acetone	--	4,000	< 10.0	< 10.0	< 10.0	**18**	**9.2 J**	< 10.0	**2.2 J**	**7.2 J**	< 20	< 20	< 20	< 20
Benzene	5	5	< 0.5	< 0.5	< 0.5	< 0.5	**0.22 J**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Benzene, 1-methylethyl	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
Bromodichloromethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	--	10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 2.0	< 2.0	< 2.0
Carbon disulfide	--	4,000	< 0.5	< 0.5	< 0.5	< 0.5	**0.27 J**	< 0.5	**0.31 J**	**3.3**	< 1.0	**0.10 J**	< 1.0	< 1.0
Carbon Tetrachloride	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
CFC-11	--	2,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
CFC-12	--	1,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
Chlorobenzene	100	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 2.0	< 2.0	< 2.0
Chlorodibromomethane	--	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
Chloroethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 2.0	< 2.0	< 2.0
Chloroform	--	100	< 0.5	< 0.5	< 0.5	**1.1**	**0.99**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	--	3	< 0.5	< 0.5	< 0.5	< 0.5	**0.26 J**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	70	--	< 0.5	< 0.5	**0.21 J**	**11**	**120**	**0.51**	**0.65**	**0.40 J**	< 1.0	**0.50 J**	< 1.0	**9.0**
cis-1,3-Dichloropropene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Cyclohexane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
Ethylbenzene	700	700	< 0.5	< 0.5	< 0.5	< 0.5	**1.6**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	**1.4**	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
m-Dichlorobenzene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
Methyl acetate	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Methyl tert-butyl ether	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Methylcyclohexane	--	--	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA

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Table 5-7
Groundwater Analyses from the Shallow Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-25	XX-26 (1-S)	H15-MW-01B	H15-MW-02B	H15-MW-03B	H15-MW-05B	H15-MW-07B	H15-MW-07B*	H15-MW-14B	H15-MW-15B	H15-MW-16B	H15-MW-17B
		Sample Date	2/3/2010	2/3/2010	2/3/2010	2/4/2010	4/12/2010	6/15/2010	5/13/2010	5/13/2010	8/11/2011	8/19/2011	8/10/2011	8/17/2011
Chemical Name	MCL	Type I RRS												
VOCs Continued - USEPA Method 8260B (µg/L)														
Methylene Chloride	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	100	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	**2.4**
Toluene	1,000	1,000	< 0.5	< 0.5	< 0.5	< 0.5	**0.54**	< 0.5	< 0.5	**0.39 J**	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	100	100	< 0.5	< 0.5	< 0.5	< 0.5	**0.55**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	**0.42 J**
trans-1,3-Dichloropropene	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA
Trichloroethene	5	5	< 0.5	**2.9**	< 0.5	**68**	**5.0**	**2.2**	< 0.5	< 0.5	< 1.0	**6.3**	< 1.0	**61**
Vinyl Chloride	2	2	< 0.5	< 0.5	< 0.5	< 0.5	**1**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes (total)	10,000	10,000	< 0.5	< 0.5	< 0.5	< 0.5	**0.82**	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	**0.73 J**

Footnotes appear on last page.

Table 5-7
Groundwater Analyses from the Shallow Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	H15-MW-18B	H15-MW-19B
		Sample Date	8/18/2011	8/18/2011
Chemical Name	MCL	Type I RRS		
VOCs - USEPA Method 8260B (µg/L)				
1,1,1-Trichloroethane	200	200	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	--	0.2	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	NA	NA
1,1,2-Trichloroethane	5	5	< 1.0	< 1.0
1,1-Dichloroethane	--	4,000	< 1.0	< 1.0
1,1-Dichloroethene	7	7	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	70	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane (DBCP)	.2	0.2	NA	NA
1,2-Dibromoethane (EDB)	.05	--	NA	NA
1,2-Dichlorobenzene	600	--	< 1.0	< 1.0
1,2-Dichloroethane	5	5	< 1.0	< 1.0
1,2-Dichloropropane	5	5	< 1.0	< 1.0
1,4-Dichlorobenzene	75	--	< 1.0	< 1.0
2-Butanone (MEK)	--	2,000	< 10	< 10
2-Hexanone	--	--	< 10	< 10
4-Methyl-2-pentanone	--	--	< 10	< 10
Acetone	--	4,000	< 20	< 20
Benzene	5	5	< 1.0	**0.26 J**
Benzene, 1-methylethyl	--	--	NA	NA
Bromodichloromethane	--	--	< 1.0	< 1.0
Bromomethane	--	10	< 2.0 UJ	< 2.0
Carbon disulfide	--	4,000	< 1.0	< 1.0
Carbon Tetrachloride	5	5	< 1.0	< 1.0
CFC-11	--	2,000	NA	NA
CFC-12	--	1,000	NA	NA
Chlorobenzene	100	100	< 2.0	< 2.0
Chlorodibromomethane	--	100	NA	NA
Chloroethane	--	--	< 2.0	< 2.0
Chloroform	--	100	< 1.0	< 1.0
Chloromethane	--	3	< 1.0	< 1.0
cis-1,2-Dichloroethene	70	--	< 1.0	**1.5**
cis-1,3-Dichloropropene	--	--	< 1.0	< 1.0
Cyclohexane	--	--	NA	NA
Ethylbenzene	700	700	< 1.0	< 1.0
Isopropylbenzene	--	--	NA	NA
m-Dichlorobenzene	--	--	NA	NA
Methyl acetate	--	--	NA	NA
Methyl tert-butyl ether	--	--	< 1.0	< 1.0
Methylcyclohexane	--	--	NA	NA

Footnotes appear on last page.

Table 5-7
Groundwater Analyses from the Shallow Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	H15-MW-18B	H15-MW-19B
		Sample Date	8/18/2011	8/18/2011
Chemical Name	MCL	Type I RRS		
VOCs Continued - USEPA Method 8260B (µg/L)				
Methylene Chloride	5	5	< 1.0	< 1.0
Styrene	100	100	< 1.0	< 1.0
Tetrachloroethene	5	5	< 1.0	< 1.0
Toluene	1,000	1,000	< 1.0	< 1.0
trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0
trans-1,3-Dichloropropene	--	--	< 1.0	< 1.0
Tribromomethane	--	--	NA	NA
Trichloroethene	5	5	**0.34 J**	**4.5**
Vinyl Chloride	2	2	< 1.0	< 1.0
Xylenes (total)	10,000	10,000	**1.1**	**0.85 J**

Notes:
* - Duplicate sample
[ ] - Indicate the analyte was detected above one or more applicable screening criteria
BOLD - indicate the analyte was detected
B - Analyte was detected in an associated blank as well as in the sample.
J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).
µg/L - Micrograms per Liter
RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (July 23, 2003).
RSL - USEPA Regional Screening Level for Tap Water (12/10/2009).
VOCs - Volatile Organic Compounds
NA - Not Analyzed

Table 5-8
Groundwater Analyses from the Deep Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	HGL-1C	HGL-4C	HGL-5C	HGL-6C	HGL-7C	HGL-8C	HGL-9C	HGL-10C	HGL-11C	XX-17	XX-18	XX-19
		Sample Date	2/2/2010	2/2/2010	2/3/2010	2/4/2010	2/4/2010	2/2/2010	2/3/2010	2/2/2010	2/2/2010	2/4/2010	2/3/2010	2/4/2010
Chemical Name	MCL	Type I RRS												
VOCs - US EPA Method 8260B (µg/L)														
1,1,1-Trichloroethane	200	200	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	--	0.2	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	5	5	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	--	4,000	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	7	7	< 0.5	< 0.5	< 0.5	**2.5**	**35**	< 0.5	< 0.5	< 0.5	< 0.5	**0.63**	< 0.5	**0.37 J**
1,2,4-Trichlorobenzene	70	70	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.2	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane (EDB)	0.05	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene	600	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	5	5	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	5	5	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene	75	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	--	2,000	< 10.0	< 10.0	< 10.0	< 50	**180 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	--	--	< 10.0	< 10.0	< 10.0	< 50	< 200	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	--	--	< 10.0	< 10.0	< 10.0	< 50	< 200	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	--	4,000	< 10.0	**1.9 J**	**2.9 J**	**85**	**330**	< 10.0	**1.4 J**	< 10.0	< 10.0	**18**	**0.98 J**	**18**
Benzene	5	5	< 0.5	< 0.5	< 0.5	< 2.5	**5.7 J**	< 0.5	< 0.5	< 0.5	**0.12 JB**	**0.35 J**	< 0.5	< 0.5
Benzene, 1-methylethyl	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	--	10	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	--	4,000	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	5	5	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CFC-11	--	2,000	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CFC-12	--	1,000	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	100	100	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorodibromomethane	--	100	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	--	100	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	--	3	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	70	--	< 0.5	< 0.5	< 0.5	**180**	**2,500**	**0.70**	< 0.5	< 0.5	< 0.5	**3.8**	**74**	**28**
cis-1,3-Dichloropropene	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cyclohexane	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	700	700	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylbenzene		--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
m-Dichlorobenzene	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methyl acetate	--	--	< 1.0	< 1.0	< 1.0	< 5.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl tert-butyl ether	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	--	--	< 5.0	< 5.0	< 5.0	< 25	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	5	5	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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Table 5-8
Groundwater Analyses from the Deep Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	HGL-1C	HGL-4C	HGL-5C	HGL-6C	HGL-7C	HGL-8C	HGL-9C	HGL-10C	HGL-11C	XX-17	XX-18	XX-19
		Sample Date	2/2/2010	2/2/2010	2/3/2010	2/4/2010	2/4/2010	2/2/2010	2/3/2010	2/2/2010	2/2/2010	2/4/2010	2/3/2010	2/4/2010
Chemical Name	MCL	Type I RRS												
VOCs Continued - US EPA Method 8260B (µg/L)														
Styrene	100	100	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	5	5	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	1,000	1,000	< 0.5	< 0.5	< 0.5	< 2.5	**3.4 J**	< 0.5	< 0.5	< 0.5	**0.34 JB**	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	100	100	< 0.5	< 0.5	< 0.5	**7.2**	**26**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tribromomethane	--	--	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	5	5	< 0.5	< 0.5	< 0.5	**850**	**16,000**	**0.40 J**	**0.26 J**	< 0.5	< 0.5	**49**	< 0.5	**5.3**
Vinyl Chloride	2	2	< 0.5	< 0.5	< 0.5	**0.50 J**	**6.3 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.094 J**
Xylenes (total)	10,000	10,000	< 0.5	< 0.5	< 0.5	< 2.5	< 10.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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Table 5-8
Groundwater Analyses from the Deep Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-21	XX-26	H15-MW-01C	H15-MW-02C	H15-MW-03C		H15-MW-04C	H15-MW-05C	H15-MW-06C	H15-MW-07C	H15-MW-08C	H15-MW-09C
		Sample Date	2/4/2010	2/3/2010	2/3/2010	4/12/2010	4/12/2010	4/12/2010*	4/12/2010	5/13/2010	5/13/2010	5/13/2010	8/24/2011	8/18/2011
Chemical Name	MCL	Type I RRS												
VOCs - US EPA Method 8260B (µg/L)														
1,1,1-Trichloroethane	200	200	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,1,2,2-Tetrachloroethane	--	0.2	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
1,1,2-Trichloroethane	5	5	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,1-Dichloroethane	--	4,000	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,1-Dichloroethene	7	7	**9.8**	< 0.5	< 10.0	**37 J**	**0.32 J**	**0.28 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	**0.31 J**
1,2,4-Trichlorobenzene	70	70	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.2	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
1,2-Dibromoethane (EDB)	0.05	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
1,2-Dichlorobenzene	600	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,2-Dichloroethane	5	5	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,2-Dichloropropane	5	5	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
1,4-Dichlorobenzene	75	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
2-Butanone (MEK)	--	2,000	< 100	< 10.0	< 200	< 1000	< 20	< 20	< 10	< 10	< 10	< 10	< 50	**7.6 J**
2-Hexanone	--	--	< 100	< 10.0	< 200	< 1000	< 20	< 20	< 10	< 10	< 10	< 10	< 50	< 10
4-Methyl-2-pentanone	--	--	< 100	< 10.0	< 200	< 1000	< 20	< 20	< 10	< 10	< 10	**0.46 J**	< 50	< 10
Acetone	--	4,000	**170**	< 10.0	< 200	< 1000	**6.9 J**	**6.1 J**	**4.1 J**	**1.2 J**	**2.2 J**	**6.5 J**	< 100	< 20
Benzene	5	5	**2.1 J**	< 0.5	**4.4 J**	< 50	**0.77 J**	**0.75 J**	**0.20 J**	< 0.5	< 0.5	< 0.5	< 5.0	**1.1**
Benzene, 1-methylethyl	--	--	< 5.0	< 0.5	**4.7 J**	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Bromodichloromethane	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Bromomethane	--	10	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 2.0 UJ
Carbon disulfide	--	4,000	< 5.0	< 0.5	< 10.0	< 50	**0.70 J**	**0.70 J**	< 0.5	**0.31 J**	**0.33 J**	**0.14 J**	< 5.0	< 1.0
Carbon Tetrachloride	5	5	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
CFC-11	--	2,000	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
CFC-12	--	1,000	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Chlorobenzene	100	100	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 2.0
Chlorodibromomethane	--	100	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Chloroethane	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	**0.34 J**	< 0.5	< 0.5	< 0.5	< 10	< 2.0
Chloroform	--	100	< 5.0	< 0.5	< 10.0	< 50	**0.41 J**	**0.38 J**	< 0.5	< 0.5	< 0.5	**1.3**	< 5.0	< 1.0
Chloromethane	--	3	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
cis-1,2-Dichloroethene	70	--	**2,000**	**2.9**	**2,200**	**2,700**	**400**	**410**	**9.8**	**0.29 J**	< 0.5	< 0.5	< 5.0	**140**
cis-1,3-Dichloropropene	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Cyclohexane	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Ethylbenzene	700	700	< 5.0	< 0.5	**6.8 J**	< 50	**1.1**	**0.96 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Isopropylbenzene		--	< 5.0	< 0.5	**4.7 J**	< 50	**0.71 J**	**0.71 J**	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
m-Dichlorobenzene	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Methyl acetate	--	--	< 10.0	< 1.0	< 20	< 100	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Methyl tert-butyl ether	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Methylcyclohexane	--	--	< 50	< 5.0	< 100	< 500	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA
Methylene Chloride	5	5	< 5.0	< 0.5	< 10.0	**24 JB**	**0.52 JB**	**0.48 JB**	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0

Footnotes appear on last page.

Table 5-8
Groundwater Analyses from the Deep Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	XX-21	XX-26	H15-MW-01C	H15-MW-02C	H15-MW-03C		H15-MW-04C	H15-MW-05C	H15-MW-06C	H15-MW-07C	H15-MW-08C	H15-MW-09C
		Sample Date	2/4/2010	2/3/2010	2/3/2010	4/12/2010	4/12/2010	4/12/2010*	4/12/2010	5/13/2010	5/13/2010	5/13/2010	8/24/2011	8/18/2011
Chemical Name	MCL	Type I RRS												
VOCs Continued - US EPA Method 8260B (µg/L)														
Styrene	100	100	< 5.0	< 0.5	< 10.0	< 50	**4.7**	**4.7**	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Tetrachloroethene	5	5	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Toluene	1,000	1,000	**1.9 J**	< 0.5	< 10.0	< 50	**0.70 J**	**0.43 J**	< 0.5	< 0.5	**0.22 J**	**0.51**	< 5.0	< 1.0
trans-1,2-Dichloroethene	100	100	**10**	< 0.5	**18**	**49 J**	**1.6**	**1.5**	**0.34 J**	< 0.5	< 0.5	< 0.5	< 5.0	**1.0**
trans-1,3-Dichloropropene	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 1.0
Tribromomethane	--	--	< 5.0	< 0.5	< 10.0	< 50	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Trichloroethene	5	5	**230**	**16**	**2,800**	**32,000**	**79**	**78**	**2.2**	**1.6**	< 0.5	< 0.5	< 5.0	**3.1**
Vinyl Chloride	2	2	**5.7**	< 0.5	< 10.0	< 50	**2.4**	**2.2**	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	**0.071 J**
Xylenes (total)	10,000	10,000	< 5.0	< 0.5	< 10.0	< 50	**0.35 J**	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	**0.85 J**

Footnotes appear on last page.

Table 5-8
Groundwater Analyses from the Deep Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	H15-MW-10C	H15-MW-11C	H15-MW-12C	H15-MW-13C	H15-MW-14C	H15-MW-15C	H15-MW-02D	H15-MW-02E	H15-MW-20E
		Sample Date	8/11/2011	8/18/2011	8/23/2011	8/12/2011	8/11/2011	8/19/2011	8/25/2011	9/8/2011	9/9/2011
Chemical Name	MCL	Type I RRS									
VOCs - US EPA Method 8260B (µg/L)											
1,1,1-Trichloroethane	200	200	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	--	0.2	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5	5	< 50	< 1.0	< 1.0 UJ	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	--	4,000	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	7	7	**21 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	70	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	--	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	5	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	5	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	75	--	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)	--	2,000	< 500	< 10	< 10 UJ	< 10	< 10	**8.0 J**	< 10	< 10	< 10
2-Hexanone	--	--	< 500	< 10	< 10 UJ	< 10	< 10	< 10	< 10		< 10
4-Methyl-2-pentanone	--	--	< 500	< 10	< 10 UJ	< 10	< 10	< 10	**1.3 J**	< 10	< 10
Acetone	--	4,000	< 1000	< 20	< 20	< 20	< 20	**13 J**	**8.1 J**	**8.3 J**	< 20
Benzene	5	5	< 50	< 1.0	< 1.0	**0.13 J**	< 1.0	**0.43 J**	< 1.0	< 1.0	< 1.0
Benzene, 1-methylethyl	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	--	--	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.45 J**	< 1.0	< 1.0
Bromomethane	--	10	< 100	< 2.0 UJ	< 2.0 UJ	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon disulfide	--	4,000	< 50	< 1.0	< 1.0	**1.6**	**0.23 J**	**0.22 J**	**0.39 J**	**0.67 J**	**1.0**
Carbon Tetrachloride	5	5	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-11	--	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	--	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	100	100	< 100	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorodibromomethane	--	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	--	--	< 100	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroform	--	100	< 50	< 1.0	< 1.0	**1.8**	< 1.0	< 1.0	**1.2**	**0.77 J**	< 1.0
Chloromethane	--	3	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	70	--	**9,700**	< 1.0	**0.49 J**	**12**	**52**	**21**	**0.24 J**	**0.17 J**	< 1.0
cis-1,3-Dichloropropene	--	--	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cyclohexane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	700	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene		--	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Dichlorobenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	--	--	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylcyclohexane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5	5	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Footnotes appear on last page.

Table 5-8
Groundwater Analyses from the Deep Portion of the Upper Aquifer - 2010-2011
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

		Location ID	H15-MW-10C	H15-MW-11C	H15-MW-12C	H15-MW-13C	H15-MW-14C	H15-MW-15C	H15-MW-02D	H15-MW-02E	H15-MW-20E
		Sample Date	8/11/2011	8/18/2011	8/23/2011	8/12/2011	8/11/2011	8/19/2011	8/25/2011	9/8/2011	9/9/2011
Chemical Name	MCL	Type I RRS									
VOCs Continued - US EPA Method 8260B (µg/L)											
Styrene	100	100	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	5	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	1,000	1,000	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0
trans-1,2-Dichloroethene	100	100	< 50	< 1.0	< 1.0	< 1.0	**13**	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	--	--	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	5	**3,300**	**0.35 J**	**0.49 J**	**0.72 J**	**48**	**1.1**	**1.7**	**1.1**	< 1.0
Vinyl Chloride	2	2	< 50	< 1,0	< 1.0	< 1.0	**0.35 J**	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes (total)	10,000	10,000	< 50	**1.1**	< 1.0	< 1.0	< 1.0	**0.68 J**	< 1.0	< 1.0	< 1.0

Notes:

* - Duplicate sample

[ ] - Indicate the analyte was detected above one or more applicable screening criteria

BOLD - indicate the analyte was detected

B - Analyte was detected in an associated blank as well as in the sample.

J - The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

MCL - USEPA Maximum Contaminant Level - National Primary Drinking Water Regulations (5/2009).

µg/L - Micrograms per Liter

RRS - GAEPD Rule 391-3-19-.07 Risk Reduction Standard (July 23, 2003).

RSL - USEPA Regional Screening Level for Tap Water (12/10/2009).

VOCs - Volatile Organic Compounds

Table 6-1
Soil Analyical Results - 2007 Grease Trap Removal
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Level (Calibration Range)	BLDG 811 BOTTOM NE LOW 4/12/2007	BLDG 811 BOTTOM NE MED 4/12/2007	BLDG 811 OUTLET DRAIN MED 4/12/2007	BLDG 811 OUTLET DRAIN E LOW 4/12/2007	BLDG 811 OUTLET DRAIN E MED 4/12/2007
Chemical Name					
VOCs - USEPA Method 8260B (ug/kg)					
Acetone	**7.5 J**	<2800	<2800	**11 J**	<2800
Benzene	<5.0	<280	<280	<5.3	<280
Bromodichloromethane	<5.0	<280	<280	<5.3	<280
Bromoform	<5.0	<280	<280	<5.3	<280
Bromomethane	<10	<560	<560	<11	<560
2-Butanone	**2.6 J**	<2800	<2800	**2.9 J**	<2800
Carbon disulfide	<5.0	<280	<280	<5.3	<280
Carbon tetrachloride	<5.0	<280	<280	<5.3	<280
Chorobenzene	<5.0	<280	<280	<5.3	<280
Chloroethane	<10	<560	<560	<11	<560
Chloroform	<5.0	<280	<280	<5.3	<280
Chloromethane	<10	<560	<560	<11	<560
Cyclohexane	<10	<560	<560	<11	<560
Dibromochloromethane	<5.0	<280	<280	<5.3	<280
1,2-Dibromo-3-chloropropane	<10	<560	<560	<11	<560
1,2-Dibromoethane	<5.0	<280	<280	<5.3	<280
1,2-Dichlorobenzene	<5.0	<280	<280	<5.3	<280
1,3- Dichlorobenzene	<5.0	<280	<280	<5.3	<280
1,4-Dichlorobenzene	<5.0	<280	<280	<5.3	<280
Dichlorodifluoromethane	<10	<560	<560	<11	<560
1,1-Dichloroethane	<5.0	<280	<280	<5.3	<280
1,2-Dichloroehtane	<5.0	<280	<280	<5.3	<280
1,1-Dichloroethene	<5.0	<280	<280	<5.3	<280
cis-1,2-Dichloroethene	**14**	<280	<280	**16**	<280
trans-1,2-Dichloroethene	<5.0	<280	<280	<5.3	<280
1,2-Dichloropropane	**1.6 J**	<280	<280	<5.3	<280
cis-1,3-Dichloropropene	<5.0	<280	<280	<5.3	<280
trans-1,3-Dichloropropene	<5.0	<280	<280	<5.3	<280
Ethylbenzene	<5.0	<280	<280	<5.3	<280
2-Hexanone	<25	<1400	<1400	<26	<1400
Isopropylbenzene	<5.0	<280	<280	<5.3	<280
Methyl acetate	<5.0	<280	<280	<5.3	<280
Methylene chloride	**5.9 JB**	<560	<560	**3.2 JB**	<560
Methyl cyclohexane	<5.0	<280	<280	<5.3	<280
MTBE	<5.0	<280	<280	<5.3	<280
4-Methyl-2-pentanone	<25	<1400	<1400	**1.5 J**	<1400
Styrene	**0.39 J**	<280	<280	<5.3	<280
1,1,2,2-Tetrachloroethane	<5.0	<280	<280	<5.3	<280
Tetrachloroethene	<5.0	<280	<280	<5.3	<280
Toluene	**1.8 J**	<280	**49**	**1.3 J**	<280
1,2,4-Trichlorobenzene	<5.0	<280	<280	<5.3	<280
1,1,1-Trichloroethane	<5.0	<280	<280	<5.3	<280
1,1,2-Trichloroethane	<5.0	<280	<280	<5.3	<280
Trichloroethene	**450 E**	<280	**610**	**260 E**	**390**
Trichlorotrifluoroethane	<5.0	<280	<280	<5.3	<280
Trichlorofluoromethane	<10	<560	<560	<11	<560
Vinyl chloride	<10	<560	<560	<11	<560
Xylene (total)	<5.0	<280	<280	<5.3	<280

Notes:
1) µg/kg - Micrograms per kilogram
2) The compounds qualified E for the low level analysis are over the calibration range.
The result for the compound(s) over calibration should be reported from the medium level analysis (which is a diluted analys
3) The compounds qualified J are estimated.

Table 8-1
Risk Reduction Standard Equations for Exposure to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

ROUTE-SPECIFIC RRSs:

Oral:

$$(RRS_o)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ BW\ x\ (AT_C\ or\ AT_{NC})\ x\ (10^6\ mg/kg)}{IRs\ x\ EF\ x\ ED\ x\ [SF_O\ or\ (1/RfD_O)]}$$

Inhalation:

$$(RRS_i)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ (AT_C\ or\ AT_{NC})\ x\ BW}{[(1/VF)\ +\ (1/PEF)]\ x\ EF\ x\ ED\ x\ [SF_i\ or\ (1/RfD_I)]}$$

where:

$$PEF = \frac{LS\ x\ V\ x\ DH}{A}\ x\ \frac{(1000\ g/kg)\ x\ (3{,}600\ sec/hr)}{RPF\ x\ (1\text{-}G)\ x\ (Um/Ut)^3\ x\ F_x}$$

$$VF = \frac{LS\ x\ V\ x\ DH}{A}\ x\ \frac{(3.14\ x\ \bullet\ x\ T)^{1/2}}{2\ x\ Dei\ x\ E\ x\ Kas\ x\ (10^{-3}\ kg/g)}$$

$$\bullet = \frac{Dei\ x\ E}{E\ +\ [ps\ x\ (1\text{-}E)/Kas]}$$

$$Dei = Di\ x\ E^{0.33}$$

$$Kas = H/(RT\ x\ Kd)$$

Cancer Effects RRS:

$$RRS_C = \frac{1}{\frac{1}{(RRS_O)_C} + \frac{1}{(RRS_I)_C}}$$

Non-Cancer Effects RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{(RRS_O)_{NC}} + \frac{1}{(RRS_I)_{NC}}}$$

RRS = Minimum result of RRS_C and RRS_{NC}.

where:

•	Alpha; calculation intermediate (cm^2/sec).
A	Contiguous area of contamination (20,250,000 cm^2; USEPA [1991] default).
AT_C	Averaging time for cancer effects (25,550 days).
AT_{NC}	Averaging time for non-cancer effects (10,950 for adult residents; 2,190 days for child residents; 9,125 days for site workers); ED x 365 days/year.
BW	Body weight (70 kg for adult receptors; 15 kg for child resident).
DH	Diffusion Height (2 m, USEPA [1991] default)
Dei	Effective diffusivity (cm^2/sec).
Di	Diffusivity in air (cm^2/sec); constituent specific.
E	Total soil porosity (0.35 unitless, USEPA default).
ED	Exposure duration (30 years for adult resident; 6 years for child resident; 25 years for site worker).
EF	Exposure frequency (350 days/year for resident receptors; 250 days/year for site worker).
Foc	Fraction organic carbon in soil (0.02 unitless, USEPA default).
Fx	Function of Ut/Um (unitless); $Fx = 0.18\ x\ [8x^3 + 12x]\ x\ \exp(-x^2)$, where $x = 0.886\ x\ (Ut/Um)$.
G	Fraction of vegetative cover (unitless) (0).
H	Henry's Law Constant (atm-m^3/mol); constituent specific.

Table 8-1
Risk Reduction Standard Equations for Exposure to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

IR_{air}	Inhalation rate (15 m^3/day for residents; 20 m^3/day for site workers).
IR_{soil}	Incidental soil ingestion rate (114 mg/day for adult resident; 200 mg/day for child resident; 50 mg/day for site worker).
Kas	Soil-air partition coefficient (g soil/ cm^3 air).
Kd	Soil-water partition coefficient (cm^3/g or mL/g); constituent specific. Kd is calculated as Foc × Koc.
Koc	Organic carbon partition coefficient (cm^3/g or mL/g); constituent specific.
LS	Length of side of contaminated area (45 m, USEPA default).
PEF	Particulate emission factor (4.63 x 10^9 m^3/kg, USEPA default).
ps	True soil or particle density (2.65 g/cm^3, USEPA default).
RfDi	Reference dose for inhalation (mg/kg/day).
RfDo	Reference dose for ingestion (mg/kg/day).
RPF	Respirable particle fraction (0.036 g/m^2/hr).
RRS	Risk reduction standard for soil (mg/kg); minimum of the RRS_C (based on cancer effects) and the RRS_{NC} (based on non-cancer effects), which are based on the route-specfic RRSs (RRSo for the oral route and RRSi for the inhalation route).
RT	Product of the ideal gas constant (8.206 x 10^{-5} atm-m^3/mol/K) and the absolute temperature (K); RT = 0.02445 atm-m^3/mol at 25ºC (298 K).
SF	Cancer slope factor or oral (SF_o) or inhalation (SF_i) exposure (kg-day/mg).
T	Exposure interval (7.9 x 108 sec, USEPA default).
TCR	Target cancer risk (unitless); results presented for TCR value of 10^{-5} (10^{-4} for Class C carcinogens).
THI	Target hazard index (unitless); results presented for THI value of 1.
Um	Wind speed, annual average (3.0 m/sec).
Ut	Equivalent threshold value of windspeed at 10 meters (12.8 m/sec).
V	Wind speed in the mixing zone (2.25 m/sec, USEPA default).
VF	Volatilization factor (m^3/kg).

SAMPLE CALCULATIONS, Tetrachloroethene, Industrial Exposure (Type 4).

$$x = 0.886 \times \frac{12.8 \text{ m/sec}}{3.0 \text{ m/sec}} = 3.780$$

$$Fx = 0.18\,[(8 \times 3.780^3) + (12 \times 3.78)] \times \exp(-(3.780^2)) = 5.36E\text{-}05$$

$$Dei = 0.079 \text{ cm}^2\text{/sec} \times (0.35)^{0.33} = 0.05587 \text{ cm}^2\text{/sec}$$

$$Kas = \frac{1.03 \times 10^{-2} \text{ atm-m}^3\text{/mol}}{(0.02445 \text{ atm-m}^3\text{/mol}) \times 0.02 \times 95.5 \text{ cm}^3\text{/g}} = 2.20E\text{-}01 \text{ g/cm}^3$$

$$\bullet = \frac{0.05587 \text{ cm}^2\text{/sec} \times 0.35}{0.35 + [2.65 \text{ g/cm}^3 \times (1 - 0.35)/2.21 \times 10^{-1} \text{ g/cm}^3)]}$$

$$= 2.40E\text{-}03 \text{ cm}^2\text{/sec}$$

$$VF = \frac{45 \text{ m} * 2.25 \text{ m/s} * 2 \text{ m}}{2.03 \times 10^7 \text{ cm}^2} \times \frac{(3.14 \times 2.4 \times 10^{-3} \text{ cm}^2\text{/sec} \times 7.9 \times 10^8 \text{ sec})^{1/2}}{2 \times 0.05587 \text{ cm}^2\text{/sec} \times 0.35 \times 2.21 \times 10^{-1} \text{ g/cm}^3 \times 10^{-3} \text{ kg/g}}$$

$$= 2{,}816 \text{ m}^3\text{/kg}$$

CANCER EFFECTS:

Oral:

$$(RRS_O)_C = \frac{10^{-5} \times 70 \text{ kg} \times 25{,}550 \text{ days} \times 10^6 \text{ mg/kg}}{50 \text{ mg/day} \times 250 \text{ days/yr} \times 25 \text{ yrs} \times (5.4 \times 10^{-1} \text{ kg-day/mg})}$$

$$= 110 \text{ mg/kg}$$

Inhalation:

$$(RRS_I)_C = \frac{10^{-5} \times 70 \text{ kg} \times 25{,}550 \text{ days}}{[(1/2{,}818 \text{ m}^3\text{/kg}) + (1/4.63 \times 10^9 \text{ m}^3\text{/kg})] \times 250 \text{ days/yr} \times 25 \text{ yrs} \times 20 \text{ m}^3\text{/day} \times (2.1 \times 10^{-2} \text{ kg-day/mg})}$$

$$= 19.2 \text{ mg/kg}$$

Table 8-1
Risk Reduction Standard Equations for Exposure to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

CANCER EFFECTS RRS:

$$RRS_C = \frac{1}{\frac{1}{110\ mg/kg} + \frac{1}{19.2\ mg/kg}} = 16\ mg/kg$$

NON-CANCER EFFECTS:

Oral:

$$(RRS_O)_{NC} = \frac{1 \times 70\ kg \times 9{,}125\ days \times 10^6\ mg/kg}{50\ mg/day \times 250\ days/yr \times 25\ yrs \times [1/1.0 \times 10^{-2}\ mg/kg\text{-}day]}$$

$$= 20{,}440\ mg/kg$$

Inhalation:

$$(RRS_I)_{NC} = \frac{1 \times 70\ kg \times 9{,}125\ days}{[(1/2{,}818\ m^3/kg) + (1/4.63 \times 10^9\ m^3/kg)] \times 250\ days/yr \times 25\ yrs \times 20\ m^3/day \times (1/7.7 \times 10^{-2}\ kg\text{-}day/mg)}$$

$$= 1{,}109\ mg/kg$$

NON-CANCER EFFECTS RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{20{,}440\ mg/kg} + \frac{1}{1{,}109\ mg/kg}} = 1{,}050\ mg/kg$$

RRS = Minumum result of RRS_C (17 mg/kg) and RRS_{NC} (1,050 mg/kg) = 16 mg/kg

Table 8-2
Risk Reduction Standard Equations for Exposure to Groundwater
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

ROUTE-SPECIFIC RRSs:

Oral:

$$(RRS_o)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ BW\ x\ (AT_C\ or\ AT_{NC})}{IR_w\ x\ EF\ x\ ED\ x\ [SF_O\ or\ (1/RfD_O)]}$$

Inhalation:

$$(RRS_i)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ (AT_C\ or\ AT_{NC})\ x\ BW}{K\ x\ IR_a\ x\ EF\ x\ ED\ x\ [SF_i\ or\ (1/RfD_I)]}$$

Cancer Effects RRS:

$$RRS_C = \frac{1}{\frac{1}{(RRS_O)_C} + \frac{1}{(RRS_I)_C}}$$

Non-Cancer Effects RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{(RRS_O)_{NC}} + \frac{1}{(RRS_I)_{NC}}}$$

RRS = Minimum result of RRS_C and RRS_{NC}.

where:

AT_C	Averaging time for cancer effects (25,550 days).
AT_{NC}	Averaging time for non-cancer effects (10,950 for adult residents; 2,190 days for child residents; 9,125 days for site workers); ED x 365 days/year.
BW	Body weight (70 kg for adult receptors; 15 kg for child resident).
ED	Exposure duration (30 years for adult resident; 6 years for child resident; 25 years for site worker).
EF	Exposure frequency (250 days/year).
IR_{air}	Inhalation rate (15 m^3/day for residents; 20 m^3/day for site workers).
IR_w	Ingestion rate of drinking water (2 L/day for adult residents; 1 L/day for child residents and site workers) (USEPA 1997a).
K	Volatilization factor for volatile organic compounds (VOCs) from household tap water (0.5 L/m^3) (USEPA 1991).
RfDi	Reference dose for inhalation (mg/kg/day).
RfDo	Reference dose for ingestion (mg/kg/day).
RRS	Risk reduction standard for soil (mg/L); minimum of the RRS_C (based on cancer effects) and the RRS_{NC} (based on non-cancer effects), which are based on the route-specfic RRSs (RRSo for the oral route and RRSi for the inhalation route).
TCR	Target cancer risk (unitless); results presented for TCR value of 10^{-5} (10^{-4} for Class C carcinogens).
THI	Target hazard index (unitless); results presented for THI value of 1.

SAMPLE CALCULATIONS, Tetrachloroethene, Industrial Exposure (Type 4).

CANCER EFFECTS:

Oral:

$$(RRS_O)_C = \frac{10^{-5}\ x\ 70\ kg\ x\ 25{,}550\ days}{1\ L/day\ x\ 250\ days/yr\ x\ 25\ yrs\ x\ (5.4\ x\ 10^{-1}\ kg\text{-}day/mg)}$$

$$= 0.0053\ mg/L$$

Table 8-2
Risk Reduction Standard Equations for Exposure to Groundwater
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Inhalation:

$$(RRS_I)_C = \frac{10^{-5} \times 70\ kg \times 25{,}550\ days}{0.5\ L/m^3 \times 250\ days/yr \times 25\ yrs \times 20\ m^3/day \times (2.0 \times 10^{-2}\ kg\text{-}day/mg)}$$

$$= 0.014\ mg/L$$

CANCER EFFECTS RRS:

$$RRS_C = \frac{1}{\frac{1}{0.0053\ mg/L} + \frac{1}{0.014\ mg/L}} = 0.0039\ mg/L$$

NON-CANCER EFFECTS:

Oral:

$$(RRS_O)_{NC} = \frac{1 \times 70\ kg \times 9{,}125\ days}{1\ L/day \times 250\ days/yr \times 25\ yrs \times [1/1.0 \times 10^{-2}\ mg/kg\text{-}day]}$$

$$= 1.0\ mg/L$$

Inhalation:

$$(RRS_I)_{NC} = \frac{1 \times 70\ kg \times 9{,}125\ days}{0.5\ L/m^3 \times 250\ days/yr \times 25\ yrs \times 20\ m^3/day \times (1/7.7 \times 10^{-2}\ kg\text{-}day/mg)}$$

$$= 0.79\ mg/L$$

NON-CANCER EFFECTS RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{1.0\ mg/L} + \frac{1}{0.79\ mg/L}} = 0.44\ mg/L$$

RRS = Minumum result of RRS_C (0.00387 mg/L) and RRS_{NC} (0.445 mg/L) = 0.0039 mg/L

Table 8-3
Toxicity Values
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Cancer Slope Factors (kg-day/mg) CSFo Oral	ref	CSFi Inhalation	ref	Weight of Evidence	Reference Doses (mg/kg/day) RfDo Oral	ref	RfDi Inhalation	ref
Volatile Organic Compounds									
Acetone	NA		NA		D	9.0E-01	I	8.9E+00	A
Benzene	5.5E-02	I	2.7E-02	I	A	4.0E-03	I	8.6E-03	I
Carbon Disulfide	NA		NA		NA	1.0E-01	I	2.0E-01	I
Chloroethane	NA		NA		C	NA		2.9E+00	I
Chloroform	3.1E-02	C	8.1E-02	I	B2	1.0E-02	I	2.8E-02	A
Chloromethane	NA		NA		D	NA		2.6E-02	I
1,2-Dichlorobenzene	NA		NA		D	9.0E-02	I	5.7E-02	H
1,2-Dichloroethane	9.1E-02	I	9.1E-02	I	B2	6.0E-03	X	2.0E-03	P
1,1-Dichloroethene	NA		NA		C	5.0E-02	I	5.7E-02	I
cis-1,2-Dichloroethene	NA		NA		D	2.0E-03	I	NA	P
trans-1,2-Dichloroethene	NA		NA		NA	2.0E-02	I	1.7E-02	P
1,2-Dichloropropane	3.6E-02	C	3.5E-02	C	B2	9.0E-02	A	1.1E-03	I
Ethylbenzene	1.1E-02	C	8.8E-03	C	2B	1.0E-01	I	2.9E-01	I
2-Hexanone	NA		NA		NA	5.0E-03	I	8.6E-03	I
Isopropylbenzene	NA		NA		D	1.0E-01	I	1.1E-01	I
Methylene Chloride	7.5E-03	I	1.6E-03	I	B2	6.0E-02	I	2.9E-01	A
Methyl tert-Butyl Ether (MTBE)	1.8E-03	C	9.1E-04	C	NA	NA		8.6E-01	I
2-Butanone	NA		NA		D	6.0E-01	I	1.4E+00	I
4-Methyl-2-pentanone	NA		NA		NA	8.0E-02	H	8.6E-01	I
Tetrachloroethene	5.4E-01	C	2.1E-02	C	B2	1.0E-02	I	7.7E-02	A
Toluene	NA		NA		D	8.0E-02	I	1.4E+00	I
1,1,2-Trichloroethane	5.7E-02	I	5.6E-02	I	C	4.0E-03	I	5.7E-05	X
Trichloroethene	4.6E-02	I	1.4E-02	I	carcinogenic to humans	5.0E-04	I	5.7E-04	I
Vinyl Chloride [a]	7.2E-01/1.4E+00	I	1.5E-02/3.0E-02	I	A	3.0E-03	I	2.9E-02	I
p-Xylene	NA		NA		D	2.0E-01	I	2.9E-02	s
o-Xylene	NA		NA		D	2.0E-01	I	2.9E-02	s
m-Xylene	NA		NA		D	2.0E-01	I	2.9E-02	s
Xylene, Mixture	NA		NA		D	2.0E-01	I	2.9E-02	I
Semi-Volatile Organic Compounds									
Acenaphthylene [b]	NA		NA		D	6.0E-02	Is	NA	
Anthracene	NA		NA		D	3.0E-01	I	NA	
Benz[a]anthracene	7.3E-01	E	3.9E-01	C	B2	NA		NA	
Benzo[a]pyrene	7.3E+00	I	3.9E+00	C	B2	NA		NA	
Benzo[b]fluoranthene	7.3E-01	E	3.9E-01	C	B2	NA		NA	
Benzo[g,h,i]perylene	NA		NA		D	NA		NA	
Benzo[k]fluoranthene	7.3E-02	E	3.9E-01	C	B2	NA		NA	
Bis(2-ethylhexyl)phthalate	1.4E-02	I	8.4E-03	C	B2	2.0E-02	I	NA	
Chrysene	7.3E-03	E	3.9E-02	C	B2	NA		NA	
Dibenz[a,h]anthracene	7.3E+00	E	4.2E+00	C	B2	NA		NA	
Fluoranthene	NA		NA		D	4.0E-02	I	NA	
Indeno[1,2,3-cd]pyrene	7.3E-01	E	3.9E-01	C	B2	NA		NA	
Naphthalene	NA		1.2E-01	C	C	2.0E-02	I	8.6E-04	I
Phenanthrene	NA		NA		D	NA		NA	
Inorganics									
Arsenic	1.5E+00	I	1.5E+01	I	A	3.0E-04	I	4.3E-06	C
Barium	NA		NA		D	2.0E-01	I	1.4E-04	H
Cadmium	NA		6.3E+00	I	D/B1	1E-3/5E-4	I	5.7E-06	C
Chromium, Total	NA		NA		D	NA		NA	
Lead	NA		NA		B2	NA		NA	
Mercury	NA		NA		C	NA		8.6E-05	I
Selenium	NA		NA		D	5.0E-03	I	5.7E-03	C
Silver	NA		NA		D	5.0E-03	I	NA	

Table 8-3
Toxicity Values
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

References [ref]:

A	Agency for Toxic Substances Disease Registry (ATDSR) (ATSDR 2011).
C	CalEPA, Toxicity Criteria database (CalEPA 2011).
E	Environmental Criteria and Assessment Office as referenced in the USEPA Regional Screening Level Table (USEPA 201
H	USEPA, Health Effects Summary Table (HEAST; USEPA 1997b).
I	USEPA, Integrated Risk Information System (IRIS; USEPA 2011b).
J	New Jersey Department of Environmental Protection (2009).
P	Provisional Peer Reviewed Toxicity Values (PPRTV) obtained from the National Center for Environmental Assessment (NCEA; USEPA 2011c).
X	PPRTV Appendix
Y	New York Department of Health as referenced by USEPA (2011a).

USEPA cancer weight-of-evidence categories are as follows:

Group A: Human Carcinogen (sufficient evidence of carcinogenicity in humans)
Group B: Probable Human Carcinogen
B1 - limited evidence of carcinogenicity in humans
B2 - sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans
Group C: Possible Human Carcinogen (limited evidence of carcinogenicity in animals and inadequate or lack of human da
Group D: Not Classifiable as to Human Carcinogenicity (inadequate or no evidence)
Group E: Evidence of Noncarcinogenicity for Humans (no evidence of carcinogenicity in adequate studies)

[a]	Values are for adult/child exposure. [Vinyl chloride is a carcinogen by mutagenic mode of action (MOA) but should be assessed using two different cancer tox values rather than by using the MOA method (USEPA 2005).]
[b]	Acenaphthene used as a surrogate.

CSF	Cancer Slope Factor; oral (CSFo) and inhalation (CSFi).
kg-day/mg	Kilogram-day per milligram.
mg/kg-day	Milligram per kilogram-day.
NA	Not Available.
RfD	Reference Dose; oral (RfDo) and inhalation (RfDi).
S	Surrogate used to identify toxicity values.

Table 8-4
Physical-Chemical Properties of the Detected Soil Constiutents
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Di (cm^2/sec)	(ref)	Dei (cm^2/sec) (calc)	H (atm-m^3/mol)	(ref)	Koc (cm^3/g)	(ref)	Kas (g/cm^3) (calc)	alpha (cm^2/sec) (calc)	VF (m^3/kg) (calc)
Volatile Organic Compounds										
Acetone	1.06E-01	WATER9	7.49E-02	3.50E-05	EPI	2.36E+00	EPI	3.03E-02	4.58E-04	6.72E+03
1,2-Dichloroethane	8.57E-02	WATER9	6.06E-02	1.18E-03	EPI	3.96E+01	EPI	6.09E-02	7.41E-04	5.25E+03
1,2-Dichloropropane	7.33E-02	WATER9	5.19E-02	2.82E-03	EPI	6.07E+01	EPI	9.50E-02	9.82E-04	4.53E+03
Ethylbenzene	6.85E-02	WATER9	4.84E-02	7.88E-03	EPI	4.46E+02	EPI	3.61E-02	3.53E-04	7.64E+03
Isopropylbenzene	6.03E-02	WATER9	4.26E-02	1.15E-02	EPI	6.98E+02	EPI	3.37E-02	2.90E-04	8.43E+03
Toluene	7.78E-02	WATER9	5.50E-02	6.64E-03	EPI	2.34E+02	EPI	5.81E-02	6.41E-04	5.64E+03
1,1,2-Trichloroethane	6.69E-02	WATER9	4.73E-02	8.24E-04	EPI	6.07E+01	EPI	2.78E-02	2.65E-04	8.83E+03
Trichloroethene	6.87E-02	WATER9	4.86E-02	9.85E-03	EPI	6.07E+01	EPI	3.32E-01	3.07E-03	2.45E+03
m-Xylene	6.84E-02	WATER9	4.95E-02	7.18E-03	EPI	3.75E+02	EPI	3.68E-02	3.67E-04	7.49E+03
o-Xylene	6.89E-02	WATER9	4.87E-02	5.18E-03	EPI	3.83E+02	EPI	2.77E-02	2.72E-04	8.71E+03
p-Xylene	6.82E-02	WATER9	5.44E-02	6.90E-03	EPI	3.75E+02	EPI	4.03E-02	4.41E-04	6.83E+03
Xylenes (total)	8.47E-02	WATER9	5.99E-02	5.18E-03	EPI	3.83E+02	EPI	2.77E-02	3.35E-04	7.86E+03
Semi-Volatile Organic Compounds										
Acenaphthylene	4.39E-02	RAIS	3.10E-02	1.13E-04	SCDM	3.09E+03	SCDM	7.48E-05	4.72E-07	2.11E+05
Anthracene	3.90E-02	WATER9	2.76E-02	5.56E-05	EPI	1.64E+04	EPI	6.95E-06	3.89E-08	7.33E+05
Benzo(a)anthracene	5.09E-02	RSL	3.60E-02	1.20E-05	EPI	1.77E+05	EPI	1.39E-07	1.01E-09	NV
Benzo(a)pyrene	4.76E-02	RSL	3.37E-02	4.57E-07	EPI	5.87E+05	EPI	1.59E-09	1.09E-11	NV
Benzo(b)fluoranthene	4.76E-02	RSL	3.37E-02	6.57E-07	EPI	5.99E+05	EPI	2.24E-09	1.53E-11	NV
Benzo(g,h,i)perylene	4.20E-02	L90-calc	2.97E-02	1.41E-07	SCDM	3.86E+06	SCDM	7.47E-11	4.51E-13	NV
Benzo(k)fluoranthene	4.76E-02	RSL	3.37E-02	5.84E-07	EPI	5.87E+05	EPI	2.03E-09	1.39E-11	NV
Bis(2-ethylhexyl)phthalate	1.73E-02	RSL	1.23E-02	2.70E-07	EPI	1.20E+05	EPI	4.62E-09	1.15E-11	NV
Chrysene	2.61E-02	RSL	1.85E-02	5.23E-06	EPI	1.81E+05	EPI	5.93E-08	2.22E-10	NV
Dibenz(a,h)anthracene	4.46E-02	RSL	3.15E-02	1.41E-07	EPI	1.91E+06	EPI	1.51E-10	9.66E-13	NV
Fluoranthene	2.76E-02	RSL	1.95E-02	8.86E-06	EPI	5.55E+04	EPI	3.27E-07	1.30E-09	NV
Indeno(1,2,3-c,d)pyrene	4.48E-02	RSL	3.17E-02	3.48E-07	EPI	1.95E+06	EPI	3.65E-10	2.35E-12	NV
Naphthalene	6.05E-02	WATER9	4.28E-02	4.40E-04	EPI	1.54E+03	EPI	5.83E-04	5.07E-06	6.42E+04
Phenanthrene	5.43E-02	L90-calc	3.84E-02	2.33E-05	SCDM	2.97E+04	SCDM	1.60E-06	1.25E-08	NV
Inorganics						Kd				
Arsenic	—	—	—	—	—	4.50E+01	Kd-SCDM	—	—	—
Barium	—	—	—	—	—	4.10E+01	Kd-SCDM	—	—	—
Cadmium	—	—	—	—	—	7.50E+01	Kd-SCDM	—	—	—
Chromium	—	—	—	—	—	1.90E+01	Kd-SCDM	—	—	—
Lead	—	—	—	—	—	9.00E+02	Kd-SCDM	—	—	—
Mercury	3.07E-02	SSL	2.17E-02	1.14E-02	SSL	5.20E+01	J&E	—	—	—
Selenium	—	—	—	—	—	5.00E+00	Kd-SCDM	—	—	—
Silver	—	—	—	—	—	8.30E+00	Kd-SCDM	—	—	—

Table 8-4
Physical-Chemical Properties of the Detected Soil Constiutents
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Reference (ref):	EPI	Estimation Programs Interface Suite™ (USEPA 2009).
	J&E	U.S. Environmental Protection Agency (USEPA), 2004.
	L90	Lyman, W.J., W.F. Rheel, and D.H. Rosenblatt, 1990. Handbook of Chemical Property Estimation Methods. McGraw-Hill, Inc., New York, NY.
	MW90	Montgomery, J.H., and L.M. Welkom, 1990. Groundwater Chemicals Desk Reference. Lewis Publishers, Inc., Chelsea, MI. 640 pp.
	RAIS	Risk Assessment Information System (U.S. Department of Energy, 2010).
	RSL	U.S. Environmental Protection Agency (USEPA), 2009. Regional Screening Level Table, December. Internet Access: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm.
	SCDM	Superfund Chemical Database Matrix, Windows Version 1.0 (USEPA 1997c).
	SSG2	Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (USEPA 2002b).
	SSL	Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (USEPA 2002b), as referenced by USEPA 2010b.
	USEPA 2001	WATER9. Version 1.0.0.
	USEPA 1987	Processes, Coefficients, and Models for Simulation Toxic Organics and Heavy Metals in Surface Waters.

Di	Diffusivity in air.	VF	Volatilization factor.	cm^3/g	Cubic centimeter per gram.
Dei	Effective diffusivity.	$atm\text{-}m^3/mol$	Atmosphere - cubic meter per mole.	g/cm^3	Gram per cubic centimeter.
H	Henry's Law Constant.	calc	Calculated.	m^3/kg	Cubic meter per kilogram.
Koc	Organic carbon partition coefficient.	cm^2/sec	Square centimeter per second.	ref	Reference.
Kas	Soil-air partition coefficient.				

Table 8-5
Comparison of Maximum Concentrations Detected in Soil to Types 1 and 2 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Maximum Concentratior Detected Above Water Table (mg/kg)	Location of Maximum Detection	Type 1 RRS (mg/kg)	Source of Type 1 Standard	Type 2 RRS (mg/kg)	Source of Type 2 Standard *	Type 2 Standard Exceeded?
Volatile Organic Compounds							
Acetone	0.035	SO008(10/1/2005)	400	GW	400	t	no
1,2-Dichloroethane	0.0058	SO005(10/1/2005)	0.50	GW	0.50	t	no
1,2-Dichloropropane	0.047	SO005(10/1/2005)	0.50	GW	0.50	t	no
Ethylbenzene	0.25	SO014(10/1/2005)	70	GW	70	t	no
Isopropylbenzene	0.75	SO014(10/1/2005)	21.88	A-I	21.88	t	no
Toluene	0.0035	SO006(10/1/2005)	100	GW	100	t	no
1,1,2-Trichloroethane	0.013	SO005(10/1/2005)	0.50	A-I	0.50	t	no
Trichloroethene	0.18	SO006(10/1/2005)	0.50	GW	0.50	t	no
Xylenes (total) [a]	1.98	SO014(10/1/2005)	1,000	GW	1,000	t	no
Semi-Volatile Organic Compounds							
Acenaphthylene	0.27	SO016A(2/1/2006)	130	A-I	130	t	no
Anthracene	0.27	SO016A(2/1/2006)	500	A-I	3,094	SSL	no
Benz[a]anthracene	1.4	SO016A(2/1/2006)	5.0	A-I	8.5	SSL	no
Benzo[a]pyrene	1.4	SO016A(2/1/2006)	1.64	A-I	1.64	t	no
Benzo[b]fluoranthene	1.9	SO016A(2/1/2006)	5.0	A-I	12.0	c	no
Benzo[g,h,i]perylene	0.93	SO016A(2/1/2006)	500	A-I	1,544	SSL	no
Benzo[k]fluoranthene	0.97	SO016A(2/1/2006)	5.0	A-I	120	c	no
Bis(2-ethylhexyl)phthalate	0.19	SO018(10/1/2005)	50	A-I	292	SSL	no
Chrysene	1.2	SO016A(2/1/2006)	5.0	A-I	867	SSL	no
Dibenz[a,h]anthracene	0.30	SO016A(2/1/2006)	2.0	PRGc-Res	2.0	t	no
Fluoranthene	1.5	SO016A(2/1/2006)	500	A-I	2,222	SSL	no
Indeno[1,2,3-cd]pyrene	0.80	SO016A(2/1/2006)	5.0	A-I	12	c	no
Naphthalene	0.091	SO018A(2/1/2006)	100	A-I	100	t	no
Phenanthrene	0.25	SO016A(2/1/2006)	110	A-I	110	t	no
Inorganics							
Arsenic	7.0	SO018C2(4/1/2006)	20	A-III	20	t	no
Barium	120	SO017C(2/1/2006)	1,000	A-III	2,554	SSL	no
Cadmium	0.31	SO018	2.0	A-III	12	SSL	no
Chromium, Total	8.7	SO016C(4/1/2006)	100	A-III	100	t	no
Lead	5,300	SO018C2(4/1/2006)	75	A-III	270	SSL	**YES**
Mercury	1.4	SO018(10/1/2005)	0.50	A-III	2.1	SSL	no
Selenium	0.83	SO0017(10/1/2005)	2.0	A-III	8.1	SSL	no
Silver	0.29	SO018B(2/1/2006)	2.0	A-III	17	SSL	no

	Risk Reduction Standard exceeded.
*	Source of Type 2 RRS: "A" for Adult RRS, "c" for Child RRS, and "t" for Type 1 RRS.
GW	Appendix III Table 1 times 100.
A-I	Appendix I notification requirement (NC) ("App I NC").
mg/kg	Milligrams per kilogram.
PRGc-Res	Calculated default residential carcinogenic preliminary remediation goal using Equation 6 from USEPA's Risk Assessment Guidance for Superfund, Part B (USEPA 1991).
RRS	Risk Reduction Standard.
SSL	RRS is based on the soil screeening level.
[a]	The xylenes concentration is the sum of the m,p-xylene and o-xylene concentrations.

Table 8-6

Risk Reduction Standards for Potential Adult Residential Exposure (Type 2) to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS			NON-CANCER EFFECTS				
	Route-Specific RRSs (mg/kg)		RRSc	Route-Specific RRSs (mg/kg)		RRSnc	RRS	
	Oral	Inhalation	(mg/kg)	Oral	Inhalation	(mg/kg)	(mg/kg)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	5.8E+05	2.9E+05	190,000	190,000	N
1,2-Dichloroethane	1.6E+02	6.5E+00	6.3	3.8E+03	5.1E+01	50	6.3	C
1,2-Dichloropropane	4.2E+02	1.5E+01	14	5.8E+04	2.5E+01	25	14	C
Ethylbenzene	1.4E+03	9.9E+01	92	6.4E+04	1.1E+04	9,100	92	C
Isopropylbenzene	NA	NA	NA	6.4E+04	4.7E+03	4,400	4,400	N
Toluene	NA	NA	NA	5.1E+04	3.9E+04	22,000	22,000	N
1,1,2-Trichloroethane	2.6E+02	1.8E+01	17	2.6E+03	2.5E+00	2.5	2.5	N
Trichloroethene	3.2E+02	1.9E+01	18	3.2E+02	6.8E+00	6.7	6.7	N
Xylenes (total)	NA	NA	NA	1.3E+05	1.1E+03	1,100	1,100	N
Semi-Volatile Organic Compounds								
Acenaphthylene	NA	NA	NA	3.8E+04	NA	38,000	38,000	N
Anthracene	NA	NA	NA	1.9E+05	NA	190,000	190,000	N
Benz[a]anthracene	2.0E+01	1.3E+03	20	NA	NA	NA	20	C
Benzo[a]pyrene	2.0E+00	1.3E+03	2.0	NA	NA	NA	2.0	C
Benzo[b]fluoranthene	2.0E+01	1.1E+04	20	NA	NA	NA	20	C
Benzo[g,h,i]perylene	NA	NA	NA	NA	NA	NA	NA	
Benzo[k]fluoranthene	2.0E+02	1.1E+04	200	NA	NA	NA	200	C
Bis(2-ethylhexyl)phthalate	1.1E+03	5.7E+05	1,100	1.3E+04	NA	13,000	1,100	C
Chrysene	2.0E+03	2.9E+04	1,900	NA	NA	NA	1,900	C
Dibenz[a,h]anthracene	2.0E+00	3.9E+03	2.0	NA	NA	NA	2.0	C
Fluoranthene	NA	NA	NA	2.6E+04	NA	26,000	26,000	N
Indeno[1,2,3-cd]pyrene	2.0E+01	2.7E+04	20	NA	NA	NA	20	C
Naphthalene	NA	6.1E+01	61	1.3E+04	2.7E+02	260	61	C
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	

Table 8-6

Risk Reduction Standards for Potential Adult Residential Exposure (Type 2) to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS			NON-CANCER EFFECTS				
	Route-Specific RRSs (mg/kg)		RRSc	Route-Specific RRSs (mg/kg)		RRSnc	RRS	
	Oral	Inhalation	(mg/kg)	Oral	Inhalation	(mg/kg)	(mg/kg)	
Inorganics								
Arsenic	1.0E+01	3.5E+04	10	1.9E+02	9.7E+04	190	10	C
Barium	NA	NA	NA	1.3E+05	3.2E+06	120,000	120,000	N
Cadmium	NA	8.3E+04	83,000	6.4E+02	1.3E+05	640	640	N
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	
Lead	NA	NA	NA	NA	NA	NA	NA	
Mercury	NA	NA	NA	NA	1.9E+06	1,900,000	1,900,000	N
Selenium	NA	NA	NA	3.2E+03	1.3E+08	3,200	3,200	N
Silver	NA	NA	NA	3.2E+03	NA	3,200	3,200	N

RRSc (for carcinogens) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (for noncarcinogens) is calculated using a target (THI) hazard indes (THI) of 1.

mg/kg	Milligram per kilogram.
NA	Not available.
RRS	Risk reduction standard.

Table 8-7

Risk Reduction Standards for Potential Child Residential Exposure (Type 2) to Soil

HAA-15 (MCA Barracks Site)

Hunter Army Airfield, Savannah, Georgia

	CANCER EFFECTS			NON-CANCER EFFECTS				
	Route-Specific RRSs (mg/kg)		Calculated	Route-Specific RRSs (mg/kg)		Calculated	RRS	
Constituent	Oral	Inhalation	Goal (mg/kg)	Oral	Inhalation	Goal (mg/kg)	(mg/kg)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	7.0E+04	6.2E+04	33,000	33,000	N
1,2-Dichloroethane	1.0E+02	7.0E+00	6.6	4.7E+02	1.1E+01	11	6.6	C
1,2-Dichloropropane	2.5E+02	1.6E+01	15	7.0E+03	5.4E+00	5	5.4	N
Ethylbenzene	8.3E+02	1.1E+02	94	7.8E+03	2.3E+03	1,800	94	C
Isopropylbenzene	NA	NA	NA	7.8E+03	1.0E+03	890	890	N
Toluene	NA	NA	NA	6.3E+03	8.4E+03	3,600	3,600	N
1,1,2-Trichloroethane	1.6E+02	1.9E+01	17	3.1E+02	5.3E-01	0.53	0.53	N
Trichloroethene	2.0E+02	2.1E+01	19	3.9E+01	1.5E+00	1.4	1.4	N
m,p-Xylene	NA	NA	NA	1.6E+04	2.0E+02	200	200	N
o-Xylene	NA	NA	NA	1.6E+04	2.6E+02	260	260	N
Semi-Volatile Organic Compounds								
Acenaphthylene	NA	NA	NA	4.7E+03	NA	4,700	4,700	N
Anthracene	NA	NA	NA	2.3E+04	NA	23,000	23,000	N
Benz[a]anthracene	1.3E+01	1.4E+03	12	NA	NA	NA	12	C
Benzo[a]pyrene	1.3E+00	1.4E+03	1.2	NA	NA	NA	1.2	C
Benzo[b]fluoranthene	1.3E+01	1.2E+04	12	NA	NA	NA	12	C
Benzo[g,h,i]perylene	NA	NA	NA	NA	NA	NA	NA	
Benzo[k]fluoranthene	1.3E+02	1.2E+04	120	NA	NA	NA	120	C
Bis(2-ethylhexyl)phthalate	6.5E+02	6.1E+05	650	1.6E+03	NA	1,600	650	C
Chrysene	1.3E+03	3.1E+04	1,200	NA	NA	NA	1,200	C
Dibenz[a,h]anthracene	1.3E+00	4.1E+03	1.2	NA	NA	NA	1.2	C
Fluoranthene	NA	NA	NA	3.1E+03	NA	3,100	3,100	N
Indeno[1,2,3-cd]pyrene	1.3E+01	2.9E+04	12	NA	NA	NA	12	C
Naphthalene	NA	6.6E+01	66	1.6E+03	5.7E+01	55	55	N
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	

Table 8-7

Risk Reduction Standards for Potential Child Residential Exposure (Type 2) to Soil

HAA-15 (MCA Barracks Site)

Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS: Route-Specific RRSs (mg/kg) Oral	CANCER EFFECTS: Route-Specific RRSs (mg/kg) Inhalation	CANCER EFFECTS: Calculated Goal (mg/kg)	NON-CANCER EFFECTS: Route-Specific RRSs (mg/kg) Oral	NON-CANCER EFFECTS: Route-Specific RRSs (mg/kg) Inhalation	NON-CANCER EFFECTS: Calculated Goal (mg/kg)	RRS (mg/kg)	
Inorganics								
Arsenic	6.1E+00	3.7E+04	6.1	2.3E+01	2.1E+04	23	6.1	C
Barium	NA	NA	NA	1.6E+04	6.9E+05	15,000	15,000	N
Cadmium	NA	8.9E+04	89,000	7.8E+01	2.8E+04	78	78	N
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	
Lead	NA	NA	NA	NA	NA	NA	418	N
Mercury	NA	NA	NA	NA	4.1E+05	410,000	410,000	N
Selenium	NA	NA	NA	3.9E+02	2.8E+07	390	390	N
Silver	NA	NA	NA	3.9E+02	NA	390	390	N

RRSc (for carcinogens) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (for noncarcinogens) is calculated using a target hazard index (THI) of 1.

mg/kg	Milligram per kilogram.
NA	Not available.
RRS	Risk reduction standard.

Table 8-8
Comparison of Maximum Concentrations Detected in Soil to Types 3 and 4 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Maximum Concentration Detected Above Water Table (mg/kg)	Type 3 Soil RRS (mg/kg)	Source of Type 3 Standard	Type 4 RRS (mg/kg)	Source of Type 4 Standard	Type 4 Standard Exceeded?
Volatile Organic Compounds						
Acetone	0.035	400	GW	400	*	no
1,2-Dichloroethane	0.0058	0.5	GW	0.50	*	no
1,2-Dichloropropane	0.047	0.5	GW	0.50	*	no
Ethylbenzene	0.25	70	GW	70	*	no
Isopropylbenzene	0.75	21.88	A-I	33	SSL	no
Toluene	0.0035	100	GW	100	*	no
1,1,2-Trichloroethane	0.013	0.5	A-I	0.50	*	no
Trichloroethene	0.18	0.5	GW	0.50	*	no
Xylenes (total) [a]	1.98	1,000	GW	1,000	*	no
Semi-Volatile Organic Compounds						
Acenaphthylene	0.27	130	A-I	778	SSL	no
Anthracene	0.27	500	A-I	20,411	SSL	no
Benz[a]anthracene	1.4	5	A-I	27.6	SSL	no
Benzo[a]pyrene	1.4	1.64	A-I	7.8	C	no
Benzo[b]fluoranthene	1.9	5	A-I	78	C	no
Benzo[g,h,i]perylene	0.93	500	A-I	1,544	SSL	no
Benzo[k]fluoranthene	0.97	5	A-I	740	C	no
Bis(2-ethylhexyl)phthalate	0.19	50	A-I	958	SSL	no
Chrysene	1.2	5	A-I	2,817	SSL	no
Dibenz[a,h]anthracene	0.30	5	A-I	7.8	C	no
Fluoranthene	1.5	500	A-I	9,110	SSL	no
Indeno[1,2,3-cd]pyrene	0.80	5	A-I	78	C	no
Naphthalene	0.091	100	A-I	100	*	no
Phenanthrene	0.25	110	A-I	110	*	no
Inorganics						
Arsenic	7.0	38	A-I	38	*	no
Barium	120	1,000	GW	16,480	SSL	no
Cadmium	0.31	39	A-I	77	SSL	no
Chromium, Total	8.7	1,200	A-I	1,200	*	no
Lead	5,300	400	A-I	400	*	**YES**
Mercury	1.4	17	A-I	17	*	no
Selenium	0.83	36	A-I	53	SSL	no
Silver	0.29	10	A-I	87	SSL	no

	Risk Reduction Standard exceeded.
*	Type 3 RRS for Type 4 RRS.
A-I	Appendix I notification requirement (NC) ("App I NC").
GW	Appendix III Table 1 times 100.
mg/kg	Milligram per kilogram.
RRS	Risk Reduction Standard.
SSL	RRS is based on the soil screeening level.
[a]	The xylenes concentration is the sum of the m,p-xylene and o-xylene concentrations.

Table 8-9
Risk Reduction Standards for Potential Adult Industrial Exposure (Type 4) to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	Calculated Goal (mg/kg)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	1.8E+06	3.0E+05	260,000	260,000	N
1,2-Dichloroethane	6.3E+02	8.2E+00	8.1	1.2E+04	5.4E+01	53	8.1	C
1,2-Dichloropropane	1.6E+03	1.9E+01	18	1.8E+05	2.6E+01	26	18	C
Ethylbenzene	5.2E+03	1.2E+02	120	2.0E+05	1.1E+04	11,000	120	C
Isopropylbenzene	NA	NA	NA	2.0E+05	4.9E+03	4,800	4,800	N
Toluene	NA	NA	NA	1.6E+05	4.1E+04	33,000	33,000	N
1,1,2-Trichloroethane	1.0E+03	2.3E+01	22	8.2E+03	2.6E+00	2.6	2.6	N
Trichloroethene	1.2E+03	2.4E+01	24	1.0E+03	7.1E+00	7.1	7.1	N
m,p-Xylene	NA	NA	NA	4.1E+05	1.0E+03	990	990	N
o-Xylene	NA	NA	NA	4.1E+05	1.3E+03	1,300	1,300	N
Semi-Volatile Organic Compounds								
Acenaphthylene	NA	NA	NA	1.2E+05	NA	120,000	120,000	N
Anthracene	NA	NA	NA	6.1E+05	NA	610,000	610,000	N
Benz[a]anthracene	7.8E+01	1.7E+03	75	NA	NA	NA	75	C
Benzo[a]pyrene	7.8E+00	1.6E+03	7.8	NA	NA	NA	7.8	C
Benzo[b]fluoranthene	7.8E+01	1.4E+04	78	NA	NA	NA	78	C
Benzo[g,h,i]perylene	NA	NA	NA	NA	NA	NA	NA	
Benzo[k]fluoranthene	7.8E+02	1.4E+04	740	NA	NA	NA	740	C
Bis(2-ethylhexyl)phthalate	4.1E+03	7.2E+05	4,100	4.1E+04	NA	41,000	4,100	C
Chrysene	7.8E+03	3.6E+04	6,400	NA	NA	NA	6,400	C
Dibenz[a,h]anthracene	7.8E+00	4.9E+03	7.8	NA	NA	NA	7.8	C
Fluoranthene	NA	NA	NA	8.2E+04	NA	82,000	82,000	N
Indeno[1,2,3-cd]pyrene	7.8E+01	3.4E+04	78	NA	NA	NA	78	C
Naphthalene	NA	7.7E+01	77	4.1E+04	2.8E+02	280	77	C
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	

Table 8-9
Risk Reduction Standards for Potential Adult Industrial Exposure (Type 4) to Soil
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS			NON-CANCER EFFECTS				
	Route-Specific RRSs (mg/kg)		RRSc (mg/kg)	Route-Specific RRSs (mg/kg)		RRSnc (mg/kg)	Calculated Goal (mg/kg)	
	Oral	Inhalation		Oral	Inhalation			
Inorganics								
Arsenic	3.8E+01	4.4E+04	38	6.1E+02	1.0E+05	610	38	C
Barium	NA	NA	NA	4.1E+05	3.4E+06	360,000	360,000	N
Cadmium	NA	1.1E+05	110,000	2.0E+03	1.4E+05	2,000	2,000	N
Chromium, Total	NA	NA	NA	NA	NA	NA	NA	
Lead	NA	NA	NA	NA	NA	NA	930	N
Mercury	NA	NA	NA	NA	2.0E+06	2,000,000	2,000,000	N
Selenium	NA	NA	NA	1.0E+04	1.4E+08	10,000	10,000	N
Silver	NA	NA	NA	1.0E+04	NA	10,000	10,000	N

The Type 4 RRSc (for carcinogens) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (for noncarcinogens) is calculated using a target hazard index (THI) of 1.
The Type 4 RRS for lead was derived using the Georgia Adult Lead Model (Table 8-22).

mg/kg	Milligram per kilogram.
NA	Not available.
RRS	Risk Reduction Standard.

Table 8-10
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 1 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Type 1 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Screening Level (mg/kg)
Volatile Organic Compounds						
Acetone	4.0	80	2.36E+00	3.50E-05	1.43E-03	16
1,2-Dichloroethane	0.0050	0.10	3.96E+01	1.18E-03	4.82E-02	0.028
1,2-Dichloropropane	0.0050	0.10	6.07E+01	2.82E-03	1.15E-01	0.033
Ethylbenzene	0.70	14	4.46E+02	7.88E-03	3.22E-01	16
Isopropylbenzene	0.0010	0.020	6.98E+02	1.15E-02	4.70E-01	0.033
Toluene	1.0	20	2.34E+02	6.64E-03	2.71E-01	14
1,1,2-Trichloroethane	0.0050	0.10	6.07E+01	8.24E-04	3.37E-02	0.032
Trichloroethene	0.0050	0.10	6.07E+01	9.85E-03	4.03E-01	0.036
m,p-Xylene	0.0040	0.080	3.75E+02	6.90E-03	2.82E-01	0.078
o-Xylene	0.0040	0.080	3.83E+02	5.18E-03	2.12E-01	0.079
Semi-Volatile Organic Compounds						
Acenaphthylene	0.010	0.20	3.09E+03	1.13E-04	4.63E-03	1.3
Anthracene	0.010	0.20	1.64E+04	5.56E-05	2.27E-03	6.6
Benz[a]anthracene	0.00010	0.0020	1.77E+05	1.20E-05	4.91E-04	0.71
Benzo[a]pyrene	0.00020	0.0040	5.87E+05	4.57E-07	1.87E-05	4.7
Benzo[b]fluoranthene	0.00020	0.0040	5.99E+05	6.57E-07	2.69E-05	4.8
Benzo[g,h,i]perylene	0.010	0.20	3.86E+06	1.41E-07	5.78E-06	1,544
Benzo[k]fluoranthene	0.010	0.20	5.87E+05	5.84E-07	2.39E-05	235
Bis(2-ethylhexyl)phthalate	0.0060	0.12	1.20E+05	2.70E-07	1.10E-05	29
Chrysene	0.00020	0.0040	1.81E+05	5.23E-06	2.14E-04	1.4
Dibenz[a,h]anthracene	0.00030	0.0060	1.91E+06	1.41E-07	5.76E-06	23
Fluoranthene	1.0	20	5.55E+04	8.86E-06	3.62E-04	2,222
Indeno[1,2,3-cd]pyrene	0.00040	0.0080	1.95E+06	3.48E-07	1.42E-05	31
Naphthalene	0.020	0.40	1.54E+03	4.40E-04	1.80E-02	1.3
Phenanthrene	0.010	0.20	2.97E+04	2.33E-05	9.55E-04	12
Inorganics			Kd			
Arsenic	0.010	0.20	4.50E+01	—		9.0
Barium	2.0	40	4.10E+01	—		1,648
Cadmium	0.0050	0.10	7.50E+01	—		7.52
Chromium, Total	0.10	2.0	1.90E+01	—		38
Lead	0.015	0.30	9.00E+02	—		270
Mercury	0.0020	0.040	5.20E+01	1.14E-02	4.67E-01	2.1
Selenium	0.050	1.00	5.00E+00	—		5.2
Silver	0.10	2.0	8.30E+00	—		17

Table 8-10
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 1 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Equation 10 (USEPA Soil Screening Guidance, 1996):

Screening Level in Soil (mg/kg) = $Cw \times \left\{ K_d + \left[\frac{\theta_w + \theta_a H'}{\rho_b} \right] \right\}$

Cw	Type 1 RRS for groundwater x dilution factor of 20 (mg/L).	=	constituent specific
K_d	soil-water partition coefficient (L/kg).	=	$K_{oc} \times f_{oc}$
K_{oc}	soil organic carbon/water partition coefficient (L/kg).	=	constituent specific
f_{oc}	fraction organic carbon in soil (g/g).	=	0.002
θ_w	water-filled soil porosity (Lwater/Lsoil).	=	0.3
θ_a	air-filled soil porosity (Lair/Lsoil).	=	$n-\theta_w = 0.134$
ρ_b	dry soil bulk density (kg/L).	=	1.5
n	soil porosity (Lpore/Lsoil).	=	$1-(\rho_b/\rho_s) = 0.43$
ρ_s	soil particle density (kg/L).	=	2.65
HLC	Henry's Law Constant (atm-m³/mol).	=	constituent specific
H'	dimensionless Henry's Law Constant (unitless)	=	HLC x 41

[a] Type 2 RRS from Table 8-13.

Boxing indicates maximum soil concentration greater than screening level based on partitioning.

atm =	Atmosphere.	L =	Liter.	mol =	Mole.
GW =	Ground water.	m^3 =	Cubic meter.	RRS =	Risk Reduction Standard.
kg =	Kilogram.	mg =	Milligrams.		

Table 8-11
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 2 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Type 2 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Screening Level (mg/kg)
Volatile Organic Compounds						
Acetone	8.0	160	2.36E+00	3.50E-05	1.43E-03	33
1,2-Dichloroethane	0.0050	0.10	3.96E+01	1.18E-03	4.82E-02	0.028
1,2-Dichloropropane	0.0050	0.10	6.07E+01	2.82E-03	1.15E-01	0.033
Ethylbenzene	0.70	14	4.46E+02	7.88E-03	3.22E-01	16
Isopropylbenzene	0.21	4.2	6.98E+02	1.15E-02	4.70E-01	6.9
Toluene	1.0	20	2.34E+02	6.64E-03	2.71E-01	14
1,1,2-Trichloroethane	0.0050	0.10	6.07E+01	8.24E-04	3.37E-02	0.032
Trichloroethene	0.005	0.10	6.07E+01	9.85E-03	4.03E-01	0.036
m,p-Xylene	0.06	1.2	3.75E+02	6.90E-03	2.82E-01	1.1
o-Xylene	0.06	1.2	3.83E+02	5.18E-03	2.12E-01	1.1
Semi-Volatile Organic Compounds						
Acenaphthylene	0.94	19	3.09E+03	1.13E-04	4.63E-03	120
Anthracene	4.7	94	1.64E+04	5.56E-05	2.27E-03	3,094
Benz[a]anthracene	0.00120	0.0240	1.77E+05	1.20E-05	4.91E-04	8.5
Benzo[a]pyrene	0.00020	0.0040	5.87E+05	4.57E-07	1.87E-05	4.7
Benzo[b]fluoranthene	0.00120	0.0240	5.99E+05	6.57E-07	2.69E-05	28.8
Benzo[g,h,i]perylene	0.01	0.2	3.86E+06	1.41E-07	5.78E-06	1,544
Benzo[k]fluoranthene	0.012	0.24	5.87E+05	5.84E-07	2.39E-05	282
Bis(2-ethylhexyl)phthalate	0.061	1.22	1.20E+05	2.70E-07	1.10E-05	292
Chrysene	0.1200	2.40	1.81E+05	5.23E-06	2.14E-04	867
Dibenz[a,h]anthracene	0.00030	0.0060	1.91E+06	1.41E-07	5.76E-06	23
Fluoranthene	1.0	20	5.55E+04	8.86E-06	3.62E-04	2,222
Indeno[1,2,3-cd]pyrene	0.00120	0.0240	1.95E+06	3.48E-07	1.42E-05	94
Naphthalene	0.020	0.40	1.54E+03	4.40E-04	1.80E-02	1.3
Phenanthrene	0.0	0	2.97E+04	2.33E-05	9.55E-04	12
Inorganics			Kd			
Arsenic	0.010	0.20	4.50E+01	—		9.0
Barium	3.1	62	4.10E+01	—		2,554
Cadmium	0.0078	0.16	7.50E+01	—		12
Chromium, Total	0.10	2.0	1.90E+01	—		38
Lead	0.015	0.30	9.00E+02	—		270
Mercury	0.0020	0.040	5.20E+01	1.14E-02	4.67E-01	2.1
Selenium	0.078	1.56	5.00E+00	—		8.1
Silver	0.10	2.0	8.30E+00	—		17

Table 8-11
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 2 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Equation 10 (USEPA Soil Screening Guidance, 1996):

Screening Level in Soil (mg/kg) = $Cw \times \left\{ K_d + \left[\frac{\theta_w + \theta_a H'}{\rho_b} \right] \right\}$

Cw	Type 1 RRS for groundwater x dilution factor of 20 (mg/L).	=	constituent specific
K_d	soil-water partition coefficient (L/kg).	=	$K_{oc} \times f_{oc}$
K_{oc}	soil organic carbon/water partition coefficient (L/kg).	=	constituent specific
f_{oc}	fraction organic carbon in soil (g/g).	=	0.002
θ_w	water-filled soil porosity (Lwater/Lsoil).	=	0.3
θ_a	air-filled soil porosity (Lair/Lsoil).	=	$n-\theta_w = 0.134$
ρ_b	dry soil bulk density (kg/L).	=	1.5
n	soil porosity (Lpore/Lsoil).	=	$1-(\rho_b/\rho_s) = 0.43$
ρ_s	soil particle density (kg/L).	=	2.65
HLC	Henry's Law Constant (atm-m³/mol).	=	constituent specific
H'	dimensionless Henry's Law Constant (unitless)	=	HLC x 41

[a] Type 2 RRS from Table 8-13.

atm =	Atmosphere.	L =	Liter.	mol =	Mole.
GW =	Groundwater.	m^3 =	Cubic meter.	RRS =	Risk Reduction Standard.
kg =	Kilogram.	mg =	Milligrams.		

Table 8-12
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 4 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Type 4 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Screening Level (mg/kg)
Volatile Organic Compounds						
Acetone	46	920	2.36E+00	3.50E-05	1.43E-03	188
1,2-Dichloroethane	0.0050	0.10	3.96E+01	1.18E-03	4.82E-02	0.028
1,2-Dichloropropane	0.0074	0.15	6.07E+01	2.82E-03	1.15E-01	0.049
Ethylbenzene	0.70	14	4.46E+02	7.88E-03	3.22E-01	16
Isopropylbenzene	1.0	20	6.98E+02	1.15E-02	4.70E-01	33
Toluene	5.2	104	2.34E+02	6.64E-03	2.71E-01	72
1,1,2-Trichloroethane	0.005	0.10	6.07E+01	8.24E-04	3.37E-02	0.032
Trichloroethene	0.0052	0.10	6.07E+01	9.85E-03	4.03E-01	0.037
m,p-Xylene	0.3	6	3.75E+02	6.90E-03	2.82E-01	5.7
o-Xylene	0.3	6	3.83E+02	5.18E-03	2.12E-01	5.7
Semi-Volatile Organic Compounds						
Acenaphthylene	6.1	122	3.09E+03	1.13E-04	4.63E-03	778
Anthracene	31	620	1.64E+04	5.56E-05	2.27E-03	20,411
Benz[a]anthracene	0.0039	0.078	1.77E+05	1.20E-05	4.91E-04	27.6
Benzo[a]pyrene	0.0004	0.0078	5.87E+05	4.57E-07	1.87E-05	9.2
Benzo[b]fluoranthene	0.0039	0.078	5.99E+05	6.57E-07	2.69E-05	94
Benzo[g,h,i]perylene	0.0	0.20	3.86E+06	1.41E-07	5.78E-06	1,544
Benzo[k]fluoranthene	0.039	0.78	5.87E+05	5.84E-07	2.39E-05	917
Bis(2-ethylhexyl)phthalate	0.200	4.00	1.20E+05	2.70E-07	1.10E-05	958
Chrysene	0.3900	7.80	1.81E+05	5.23E-06	2.14E-04	2,817
Dibenz[a,h]anthracene	0.0004	0.0078	1.91E+06	1.41E-07	5.76E-06	30
Fluoranthene	4	82	5.55E+04	8.86E-06	3.62E-04	9,110
Indeno[1,2,3-cd]pyrene	0.0039	0.078	1.95E+06	3.48E-07	1.42E-05	304
Naphthalene	0.020	0.40	1.54E+03	4.40E-04	1.80E-02	1.3
Phenanthrene	0.010	0.20	2.97E+04	2.33E-05	9.55E-04	12
Inorganics			Kd			
Arsenic	0.010	0.20	4.50E+01	—		9.0
Barium	20	400	4.10E+01	—		16,480
Cadmium	0.05	1.0	7.50E+01	—		77
Chromium, Total	0.10	2.0	1.90E+01	—		38
Lead	0.015	0.30	9.00E+02	—		270
Mercury	0.002	0.040	5.20E+01	1.14E-02	4.67E-01	2.1
Selenium	0.51	10.2	5.00E+00	—		53
Silver	0.51	10.2	8.30E+00	—		87

Table 8-12
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 4 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Equation 10 (USEPA Soil Screening Guidance, 1996):

Screening Level in Soil (mg/kg) = $Cw \times \left\{ K_d + \left[\frac{\theta_w + \theta_a H'}{\rho_b} \right] \right\}$

Cw	Type 1 RRS for groundwater x dilution factor of 20 (mg/L).	=	constituent specific
K_d	soil-water partition coefficient (L/kg).	=	$K_{oc} \times f_{oc}$
K_{oc}	soil organic carbon/water partition coefficient (L/kg).	=	constituent specific
f_{oc}	fraction organic carbon in soil (g/g).	=	0.002
θ_w	water-filled soil porosity (Lwater/Lsoil).	=	0.3
θ_a	air-filled soil porosity (Lair/Lsoil).	=	$n-\theta_w = 0.134$
ρ_b	dry soil bulk density (kg/L).	=	1.5
n	soil porosity (Lpore/Lsoil).	=	$1-(\rho_b/\rho_s) = 0.43$
ρ_s	soil particle density (kg/L).	=	2.65
HLC	Henry's Law Constant (atm-m³/mol).	=	constituent specific
H'	dimensionless Henry's Law Constant (unitless)	=	HLC x 41

[a] Type 4 RRS from Table 8-17.

Boxing indicates maximum soil concentration greater than screening level based on partitioning.

atm =	Atmosphere.	L =	Liter.	mol =	Mole.
GW =	Ground water.	m^3 =	Cubic meter.	RRS =	Risk Reduction Standard.
kg =	Kilogram.	mg =	Milligrams.		

Table 8-13
Comparison of Maximum Concentrations Detected in Shallow Groundwater to Types 1 and 2
Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Shallow Aquifer Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Type 1 RRS (mg/L)	Source of Type 1 Standard	Type 2 RRS (mg/L)	Source of Type 2 *
Volatile Organic Compounds						
Acetone	0.019	HGL-7B(2/4/2010)	4.0	A-III	8.0	c
Benzene	0.00022	H15-MW-03B(4/12/2010)	0.0050	A-III	0.0054	a
Carbon disulfide	0.0033	H15-MW-07B	4.0	A-III	4.0	t
Chloroform	0.0011	H15-MW-02B(2/4/2010)	0.080	A-III	0.080	t
Chloromethane	0.00026	H15-MW-03B(4/12/2010)	0.010	DL	0.054	c
1,2-Dichlorobenzene	0.00037	H15-MW-03B(4/12/2010)	0.60	A-III	0.60	t
1,1-Dichloroethene	0.00018	HGL-6B(2/4/2010)	0.0070	A-III	0.10	c
cis-1,2-Dichloroethene	0.12	H15-MW-03B(4/12/2010)	0.070	A-III	0.070	t
trans-1,2-Dichloroethene	0.00055	H15-MW-03B(4/12/2010)	0.10	A-III	0.10	t
Ethylbenzene	0.0016	H15-MW-03B(4/12/2010)	0.70	A-III	0.70	t
2-Hexanone	0.00027	H15-MW-07B(5/13/2010)	0.010	DL	0.015	c
Isopropylbenzene	0.0014	H15-MW-03B(4/12/2010)	0.0010	DL	0.21	c
Methyl tert-Butyl Ether (MTBE)	0.0074	HGL-1B(2/2/2010)	0.0050	DL	0.16	a
Tetrachloroethene	0.0014	HGL-11B(2/2/2010)	0.0050	A-III	0.0050	t
Toluene	0.00054	H15-MW-03B(4/12/2010)	1.0	A-III	1.0	t
Trichloroethene	0.068	H15-MW-02B(2/4/2010)	0.0050	A-III	0.0050	t
Vinyl chloride	0.0010	H15-MW-03B(4/12/2010)	0.0020	A-III	0.0020	t
Xylenes	0.00082	H15-MW-03B(4/12/2010)	10	A-III	10	t
Semi-Volatile Organic Compounds						
Acenaphthylene			0.010	DL	0.94	c
Anthracene			0.010	DL	4.7	c
Benzo(a)anthracene			0.00010	A-III	0.0012	a
Benzo(a)pyrene			0.00020	A-III	0.00020	t
Benzo(b)fluoranthene			0.00020	A-III	0.0012	a
Benzo(g,h,i)perylene			0.010	DL	0.010	t
Benzo(k)fluoranthene			0.010	DL	0.012	a
Bis(2-ethylhexyl)phthalate			0.0060	A-III	0.061	a

Table 8-13
Comparison of Maximum Concentrations Detected in Shallow Groundwater to Types 1 and 2
Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Shallow Aquifer Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Type 1 RRS (mg/L)	Source of Type 1 Standard	Type 2 RRS (mg/L)	Source of Type 2 *
Chrysene			0.00020	A-III	0.12	a
Dibenzo(ah)anthracene			0.00030	A-III	0.00030	t
Fluoranthene			1.0	A-III	1.0	t
Indeno(1,2,3-c,d)pyrene			0.00040	A-III	0.0012	a
Naphthalene			0.020	A-III	0.020	t
Phenanthrene			0.010	DL	0.010	t
Inorganics						t
Arsenic			0.010	A-III	0.010	t
Barium			2.0	A-III	3.1	c
Cadmium			0.0050	A-III	0.0078	c
Chromium, total			0.10	A-III	0.10	t
Lead			0.015	A-III	0.015	t
Mercury			0.0020	A-III	0.0020	t
Selenium			0.050	A-III	0.078	c
Silver			0.10	A-III	0.10	t

Note: Constituents not detected in groundwater are included herein so that their RRS are presented as they were used to derive soil screening levels.

	Risk Reduction Standard exceeded.
*	Source of Type 2 RRS: "a" for Adult RRS, "c" for Child RRS, and "t" for Type 1 RRS.
A-III	Appendix III Table 1.
DL	Detection limit.
mg/L	Milligrams per liter.
RRS	Risk Reduction Standard.

Table 8-14
Comparison of Maximum Concentrations Detected in Deep Groundwater to Types 1 and 2
Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Deep Aquifer Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Type 1 RRS (mg/L)	Source of Type 1 Standard	Type 2 RRS (mg/L)	Source of Type 2 *
Volatile Organic Compounds						
Acetone	0.33	HGL-7C(2/4/2010)	4.0	A-III	8.0	c
Benzene	0.0057	HGL-7C(2/4/2010)	0.0050	A-III	0.0054	a
Carbon disulfide	0.00070	H15-MW-03C	4.0	A-III	4.0	t
Chloroethane	0.00034	H15-MW-04C(4/12/2010)	0.010	DL	6.0	c
Chloroform	0.0013	H15-MW-07C(5/13/2010)	0.080	A-III	0.080	t
1,1-Dichloroethene	0.037	H15-MW-02C(4/12/2010)	0.0070	A-III	0.10	c
cis-1,2-Dichloroethene	2.7	H15-MW-02C(4/12/2010)	0.070	A-III	0.070	t
trans-1,2-Dichloroethene	0.049	H15-MW-02C(4/12/2010)	0.10	A-III	0.10	t
Ethylbenzene	0.0068	H15-MW-01C(2/3/2010)	0.70	A-III	0.70	t
Isopropylbenzene	0.0047	H15-MW-01C(2/3/2010)	0.0010	DL	0.21	c
Methylene chloride	0.024	H15-MW-02C(4/12/2010)	0.0050	A-III	0.06	a
Methyl ethyl ketone	0.18	HGL-7C(2/4/2010)	2.0	A-III	2.30	c
4-Methyl-2-pentanone	0.00046	H15-MW-07C(5/13/2010)	2.0	A-III	2.0	t
Toluene	0.0034	HGL-7C(2/4/2010)	1.0	A-III	1.0	t
Trichloroethene	32	H15-MW-02C(4/12/2010)	0.0050	A-III	0.0050	t
Vinyl chloride	0.0063	HGL-7C(2/4/2010)	0.0020	A-III	0.0020	t
Xylenes	0.0024	H15-MW-03C(4/12/2010)	10	A-III	10	t

	Risk Reduction Standard exceeded.
*	Source of Type 2 RRS: "a" for Adult RRS, "c" for Child RRS, and "t" for Type 1 RRS.
A-III	Appendix III Table 1.
DL	Detection limit.
mg/L	Milligrams per liter.
RRS	Risk Reduction Standard.

Table 8-15

Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Adult (Type 2) Exposure,

HAA-15 (MCA Barracks Site)

Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS			NON-CANCER EFFECTS			
	Route-Specific RRS (mg/L)		RRSc (mg/L)	Route-Specific RRS (mg/L)		RRSnc (mg/L)	RRS (mg/L)
	Oral	Inhalation		Oral	Inhalation		
Volatile Organic Compounds							
Acetone	NA	NA	NA	3.3E+01	8.6E+01	24	24
Benzene	1.5E-02	8.3E-03	0.0054	1.5E-01	8.3E-02	0.053	0.0054
Carbon disulfide	NA	NA	NA	3.7E+00	1.9E+00	1.3	1.3
Chloroethane	NA	NA	NA	NA	2.8E+01	28	28
Chloroform	2.7E-02	2.8E-03	0.0026	3.7E-01	2.7E-01	0.16	0.0026
Chloromethane	NA	NA	NA	NA	2.5E-01	0.25	0.25
1,2-Dichlorobenzene	NA	NA	NA	3.3E+00	5.6E-01	0.48	0.48
1,2-Dichloroethane	9.4E-03	2.5E-03	0.002	2.2E-01	1.9E-02	0.018	0.0020
1,1-Dichloroethene	NA	NA	NA	1.8E+00	5.6E-01	0.43	0.43
cis-1,2-Dichloroethene	NA	NA	NA	7.3E-02	NA	0.073	0.073
trans-1,2-Dichloroethene	NA	NA	NA	7.3E-01	1.7E-01	0.14	0.14
1,2-Dichloropropane	2.4E-02	6.5E-03	0.0051	3.3E+00	1.1E-02	0.011	0.0051
Ethylbenzene	7.7E-02	2.6E-02	0.019	3.7E+00	2.8E+00	1.6	0.019
Isopropylbenzene	NA	NA	NA	3.7E+00	1.1E+00	0.85	0.85
Methylene chloride	1.1E-01	1.4E-01	0.062	2.2E+00	2.8E+00	1.2	0.062
Methyl ethyl ketone	NA	NA	NA	2.2E+01	1.4E+01	8.5	8.5
4-Methyl-2-pentanone	NA	NA	NA	2.9E+00	8.3E+00	2.2	2.2
Toluene	NA	NA	NA	2.9E+00	1.4E+01	2.4	2.4
1,1,2-Trichloroethane	1.5E-02	4.1E-03	0.0032	1.5E-01	5.6E-04	0.00055	0.00055
Trichloroethene	1.9E-02	1.6E-02	0.0085	1.8E-02	5.6E-03	0.0043	0.0043
Vinyl chloride	1.2E-03	1.5E-02	0.0011	1.1E-01	2.8E-01	0.079	0.0011
m,p-Xylene	NA	NA	NA	7.3E+00	2.8E-01	0.27	0.27
o-Xylene	NA	NA	NA	7.3E+00	2.8E-01	0.27	0.27
Xylenes	NA	NA	NA	7.3E+00	2.8E-01	0.27	0.27
Semi-Volatile Organic Compounds							
Acenaphthylene	NA	NA	NA	2.2E+00	NA	2.2	2.2
Anthracene	NA	NA	NA	1.1E+01	NA	11	11
Benzo(a)anthracene	1.2E-03	NV	0.00120	NA	NA	NA	0.0012
Benzo(a)pyrene	1.2E-04	NV	0.000120	NA	NA	NA	0.00012
Benzo(b)fluoranthene	1.2E-03	NV	0.0012	NA	NA	NA	0.0012

Table 8-15

Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Adult (Type 2) Exposure,

HAA-15 (MCA Barracks Site)

Hunter Army Airfield, Savannah, Georgia

Constituent	CANCER EFFECTS			NON-CANCER EFFECTS			
	Route-Specific RRS (mg/L)		RRSc (mg/L)	Route-Specific RRS (mg/L)		RRSnc (mg/L)	RRS (mg/L)
	Oral	Inhalation		Oral	Inhalation		
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	1.2E-02	NV	0.012	NA	NA	NA	0.012
Bis(2-ethylhexyl)phthalate	6.1E-02	NV	0.061	7.3E-01	NA	0.73	0.061
Chrysene	1.2E-01	NV	0.12	NA	NA	NA	0.12
Dibenzo(ah)anthracene	1.2E-04	NV	0.000120	NA	NA	NA	0.00012
Fluoranthene	NA	NA	NA	1.5E+00	NA	1.5	1.5
Indeno(1,2,3-c,d)pyrene	1.2E-03	NV	0.0012	NA	NA	NA	0.0012
Naphthalene	NA	1.9E-03	0.0019	7.3E-01	8.3E-03	0.0082	0.0019
Phenanthrene	NA	NA	NA	NA	NA	NA	NA
Inorganics							
Arsenic	5.7E-04	NV	0.00057	1.1E-02	NV	0.011	0.00057
Barium	NA	NV	NA	7.3E+00	NV	7.3	7.3
Cadmium	NA	NV	NA	5.5E-02	NV	0.055	0.055
Chromium, total	NA	NV	NA	NA	NV	NA	NA
Lead	NA	NV	NA	NA	NV	NA	NA
Mercury	NA	NA	NA	NA	8.3E-04	0.00083	0.00083
Selenium	NA	NV	NA	1.8E-01	NV	0.18	0.18
Silver	NA	NV	NA	1.8E-01	NV	0.18	0.18

RRSc (cancer effects) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (non-cancer effects) is calculated using a target hazard index (THI) of 1.

mg/L Milligrams per liter.
NA Not available; insufficient toxicity data.
RRS Risk reduction standard (mg/L); for each constituent, the minimum of the cancer-effects (RRSc) and the non-cancer-effects (RRSnc).

Table 8-16
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Child (Type 2) Exposure,
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

	CANCER EFFECTS			NON-CANCER EFFECTS			
	Route-Specific RRS (mg/L)		RRSc	Route-Specific RRS (mg/L)		RRSnc	RRS
Constituent	Oral	Inhalation	(mg/L)	Oral	Inhalation	(mg/L)	(mg/L)
Volatile Organic Compounds							
Acetone	NA	NA	NA	1.4E+01	1.8E+01	8.0	8.0
Benzene	3.3E-02	8.9E-03	0.0070	6.3E-02	1.8E-02	0.014	0.0070
Carbon disulfide	NA	NA	NA	1.6E+00	4.2E-01	0.33	0.33
Chloroethane	NA	NA	NA	NA	6.0E+00	6.0	6.0
Chloroform	5.9E-02	3.0E-03	0.0029	1.6E-01	5.8E-02	0.043	0.0029
Chloromethane	NA	NA	NA	NA	5.4E-02	0.054	0.054
1,2-Dichlorobenzene	NA	NA	NA	1.4E+00	1.2E-01	0.11	0.11
1,2-Dichloroethane	2.0E-02	2.7E-03	0.0024	9.4E-02	4.2E-03	0.004	0.0024
1,1-Dichloroethene	NA	NA	NA	7.8E-01	1.2E-01	0.10	0.10
cis-1,2-Dichloroethene	NA	NA	NA	3.1E-02	NA	0.031	0.031
trans-1,2-Dichloroethene	NA	NA	NA	3.1E-01	3.6E-02	0.032	0.032
1,2-Dichloropropane	5.1E-02	7.0E-03	0.0061	1.4E+00	2.4E-03	0.0024	0.0024
Ethylbenzene	1.7E-01	2.8E-02	0.024	1.6E+00	6.0E-01	0.43	0.024
Isopropylbenzene	NA	NA	NA	1.6E+00	2.4E-01	0.21	0.21
Methylene chloride	2.4E-01	1.5E-01	0.092	9.4E-01	6.0E-01	0.36	0.092
Methyl ethyl ketone	NA	NA	NA	9.4E+00	3.0E+00	2.3	2.3
4-Methyl-2-pentanone	NA	NA	NA	1.3E+00	1.8E+00	0.74	0.74
Toluene	NA	NA	NA	1.3E+00	3.0E+00	0.88	0.88
1,1,2-Trichloroethane	3.2E-02	4.3E-03	0.0038	6.3E-02	1.2E-04	0.00012	0.00012
Trichloroethene	4.0E-02	1.7E-02	0.012	7.8E-03	1.2E-03	0.001	0.0010
Vinyl chloride	1.3E-03	8.1E-03	0.0011	4.7E-02	6.0E-02	0.03	0.0011
m,p-Xylene	NA	NA	NA	3.1E+00	6.0E-02	0.058	0.058
o-Xylene	NA	NA	NA	3.1E+00	6.0E-02	0.058	0.058
Xylenes	NA	NA	NA	3.1E+00	6.0E-02	0.058	0.058
Semi-Volatile Organic Compounds							
Acenaphthylene	NA	NA	NA	9.4E-01	NA	0.94	0.94
Anthracene	NA	NA	NA	4.7E+00	NA	4.70	4.7
Benzo(a)anthracene	2.5E-03	NV	0.00250	NA	NA	NA	0.0025
Benzo(a)pyrene	2.5E-04	NV	0.000250	NA	NA	NA	0.00025

Table 8-16
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Child (Type 2) Exposure,
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

	CANCER EFFECTS			NON-CANCER EFFECTS			
	Route-Specific RRS (mg/L)		RRSc	Route-Specific RRS (mg/L)		RRSnc	RRS
Constituent	Oral	Inhalation	(mg/L)	Oral	Inhalation	(mg/L)	(mg/L)
Benzo(b)fluoranthene	2.5E-03	NV	0.00250	NA	NA	NA	0.0025
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	2.5E-02	NV	0.025	NA	NA	NA	0.025
Bis(2-ethylhexyl)phthalate	1.3E-01	NV	0.13	3.1E-01	NA	0.31	0.13
Chrysene	2.5E-01	NV	0.25	NA	NA	NA	0.25
Dibenzo(ah)anthracene	2.5E-04	NV	0.000250	NA	NA	NA	0.00025
Fluoranthene	NA	NA	NA	6.3E-01	NA	0.63	0.63
Indeno(1,2,3-c,d)pyrene	2.5E-03	NV	0.00250	NA	NA	NA	0.0025
Naphthalene	NA	2.0E-03	0.0020	3.1E-01	1.8E-03	0.0018	0.0018
Phenanthrene	NA	NA	NA	NA	NA	NA	NA
Inorganics							
Arsenic	1.2E-03	NV	0.0012	4.7E-03	NV	0.0047	0.0012
Barium	NA	NV	NA	3.1E+00	NV	3.1	3.1
Cadmium	NA	NV	NA	7.8E-03	NV	0.0078	0.0078
Chromium, total	NA	NV	NA	NA	NV	NA	NA
Lead	NA	NV	NA	NA	NV	NA	NA
Mercury	NA	NA	NA	NA	1.8E-04	0.00018	0.00018
Selenium	NA	NV	NA	7.8E-02	NV	0.078	0.078
Silver	NA	NV	NA	7.8E-02	NV	0.078	0.078

RRSc (cancer effects) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (non-cancer effects) is calculated using a target hazard index (THI) of 1.

mg/L Milligrams per liter.
NA Not available; insufficient toxicity data.
RRS Risk reduction standard (mg/L); for each constituent, the minimum of the cancer-effects (RRSc) and the non-cancer-effects (RRSnc).

Table 8-17
Comparison of Maximum Concentrations Detected in Shallow Groundwater to
Types 3 and 4 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Shallow Aquifer Maximum Concentration Detected (mg/L)	Type 3 RRS (mg/L)	Source of Type 3 Standard	Type 4 RRS (mg/L)	
Volatile Organic Compounds					
Acetone	0.019	4.0	A-III	46	
Benzene	0.00022	0.0050	A-III	0.0087	
Carbon disulfide	0.0033	4.0	A-III	4.0	*
Chloroform	0.0011	0.080	A-III	0.080	*
Chloromethane	0.00026	0.010	DL	0.26	
1,2-Dichlorobenzene	0.00037	0.60	A-III	0.60	*
1,1-Dichloroethene	0.00018	0.0070	A-III	0.52	
cis-1,2-Dichloroethene	0.12	0.070	A-III	0.20	
trans-1,2-Dichloroethene	0.00055	0.10	A-III	0.16	
Ethylbenzene	0.0016	0.70	A-III	0.70	*
2-Hexanone	0.00027	0.010	DL	0.075	
Isopropylbenzene	0.0014	0.0010	DL	1.0	
Methyl tert-Butyl Ether (MTBE)	0.0074	0.0050	DL	0.26	
Tetrachloroethene	0.0014	0.0050	A-III	0.0050	*
Toluene	0.00054	1.0	A-III	5.2	
Trichloroethene	0.068	0.0050	A-III	0.0052	
Vinyl chloride	0.0010	0.0020	A-III	0.0033	
Xylenes	0.00082	10	A-III	10	*
Semi-Volatile Organic Compounds					
Acenaphthylene		0.010	DL	6.1	
Anthracene		0.010	DL	31	
Benzo(a)anthracene		0.00010	A-III	0.0039	
Benzo(a)pyrene		0.00020	A-III	0.00039	
Benzo(b)fluoranthene		0.00020	A-III	0.00390	
Benzo(g,h,i)perylene		0.010	DL	0.010	*
Benzo(k)fluoranthene		0.010	DL	0.039	
Bis(2-ethylhexyl)phthalate		0.0060	A-III	0.20	
Chrysene		0.00020	A-III	0.39	
Dibenzo(ah)anthracene		0.00030	A-III	0.00039	
Fluoranthene		1.0	A-III	4.1	
Indeno(1,2,3-c,d)pyrene		0.00040	A-III	0.0039	
Naphthalene		0.020	A-III	0.020	*
Phenanthrene		0.010	DL	0.010	*
Inorganics					
Arsenic		0.010	A-III	0.010	*
Barium		2.0	A-III	20	
Cadmium		0.0050	A-III	0.051	
Chromium, total		0.10	A-III	0.10	*
Lead		0.015	A-III	0.015	*
Mercury		0.0020	A-III	0.0020	*
Selenium		0.050	A-III	0.51	
Silver		0.10	A-III	0.51	

Table 8-17
Comparison of Maximum Concentrations Detected in Shallow Groundwater to
Types 3 and 4 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Note: Constituents not detected in groundwater are included herein so that their RRS are presented as they were used to derive soil screening levels.

	Risk Reduction Standard exceeded.
*	Type 3 RRS used for Type 4 RRS.
A-III	Appendix III Table 1.
DL	Detection limit.
mg/L	Milligrams per liter.
RRS	Risk Reduction Standard.

Table 8-18
Comparison of Maximum Concentrations Detected in Deep Groundwater to
Types 3 and 4 Risk Reduction Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Maximum Concentration Detected (mg/L)	Type 3 RRS (mg/L)	Source of Type 3 Standard	Type 4 RRS (mg/L)	
Volatile Organic Compounds					
Acetone	0.33	4.0	A-III	46	
Benzene	0.0057	0.0050	A-III	0.0087	
Carbon disulfide	0.00070	4.0	A-III	4.0	*
Chloroethane	0.00034	0.010	DL	29	
Chloroform	0.0013	0.080	A-III	0.080	*
1,1-Dichloroethene	0.037	0.0070	A-III	0.52	
cis-1,2-Dichloroethene	2.7	0.070	A-III	0.20	
trans-1,2-Dichloroethen	0.049	0.10	A-III	0.16	
Ethylbenzene	0.0068	0.70	A-III	0.70	*
Isopropylbenzene	0.0047	0.0010	DL	1.0	
Methylene chloride	0.024	0.0050	A-III	0.12	
Methyl ethyl ketone	0.18	2.0	A-III	12	
4-Methyl-2-pentanone	0.00046	2.0	A-III	4.2	
Toluene	0.0034	1.0	A-III	5.2	
Trichloroethene	32	0.0050	A-III	0.0052	
Vinyl chloride	0.0063	0.0020	A-III	0.0033	
Xylenes	0.0024	10	A-III	10	*

	Risk Reduction Standard exceeded.
*	Type 3 RRS used for Type 4 RRS.
A-III	Appendix III Table 1.
DL	Detection limit.
mg/L	Milligrams per liter.
RRS	Risk Reduction Standard.

Table 8-19

Risk Reduction Standards for Potential Groundwater Ingestion Based on Industrial (Type 4) Exposure

HAA-15 (MCA Barracks Site)

Hunter Army Airfield, Savannah, Georgia

Constituent	Target Cancer Risk (TCR)	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)
Volatile Organic Compounds								
Acetone	NC	NA	NA	NA	9.2E+01	9.1E+01	46	46
Benzene	1E-05	5.2E-02	1.0E-02	0.0087	4.1E-01	8.8E-02	0.072	0.0087
Carbon disulfide	NC	NA	NA	NA	1.0E+01	2.0E+00	1.7	1.7
Chloroethane	NC	NA	NA	NA	NA	2.9E+01	29	29
Chloroform	1E-05	9.2E-02	3.6E-03	0.0034	1.0E+00	2.9E-01	0.22	0.0034
Chloromethane	NC	NA	NA	NA	NA	2.6E-01	0.26	0.26
1,2-Dichlorobenzene	NC	NA	NA	NA	9.2E+00	5.8E-01	0.55	0.55
1,2-Dichloroethane	1E-05	3.1E-02	3.1E-03	0.0029	6.1E-01	2.0E-02	0.02	0.0029
1,1-Dichloroethene	1E-04	NA	NA	NA	5.1E+00	5.8E-01	0.52	0.52
cis-1,2-Dichloroethene	NC	NA	NA	NA	2.0E-01	NA	0.2	0.20
trans-1,2-Dichloroethene	NC	NA	NA	NA	2.0E+00	1.8E-01	0.16	0.16
1,2-Dichloropropane	1E-05	7.9E-02	8.2E-03	0.0074	9.2E+00	1.2E-02	0.012	0.0074
Ethylbenzene	1E-05	2.6E-01	3.3E-02	0.029	1.0E+01	2.9E+00	2.3	0.029
Isopropylbenzene	NC	NA	NA	NA	1.0E+01	1.2E+00	1.0	1.0
Methylene chloride	1E-05	3.8E-01	1.7E-01	0.12	6.1E+00	2.9E+00	2.0	0.12
Methyl ethyl ketone	NC	NA	NA	NA	6.1E+01	1.5E+01	12	12
4-Methyl-2-pentanone	NC	NA	NA	NA	8.2E+00	8.8E+00	4.2	4.2
Toluene	NC	NA	NA	NA	8.2E+00	1.5E+01	5.2	5.2
1,1,2-Trichloroethane	1E-04	5.0E-01	5.1E-02	0.046	4.1E-01	5.8E-04	0.00058	0.00058
Trichloroethene	1E-05	6.2E-02	2.0E-02	0.015	5.1E-02	5.8E-03	0.0052	0.0052
Vinyl chloride	1E-05	4.0E-03	1.9E-02	0.0033	3.1E-01	2.9E-01	0.15	0.0033
m,p-Xylene	NC	NA	NA	NA	2.0E+01	2.9E-01	0.29	0.29
o-Xylene	NC	NA	NA	NA	2.0E+01	2.9E-01	0.29	0.29
Xylenes	NC	NA	NA	NA	2.0E+01	2.9E-01	0.29	0.29
Semi-Volatile Organic Compounds								
Acenaphthylene	NC	NA	NA	NA	6.1E+00	NA	6.1	6.1
Anthracene	NC	NA	NA	NA	3.1E+01	NA	31.0	31
Benzo(a)anthracene	1E-05	3.9E-03	NV	0.0039	NA	NA	NA	0.00390

Table 8-19

Risk Reduction Standards for Potential Groundwater Ingestion Based on Industrial (Type 4) Exposure

HAA-15 (MCA Barracks Site)

Hunter Army Airfield, Savannah, Georgia

Constituent	Target Cancer Risk (TCR)	CANCER EFFECTS			NON-CANCER EFFECTS			RRS (mg/L)
		Route-Specific RRS (mg/L)		RRSc (mg/L)	Route-Specific RRS (mg/L)		RRSnc (mg/L)	
		Oral	Inhalation		Oral	Inhalation		
Benzo(a)pyrene	1E-05	3.9E-04	NV	0.000390	NA	NA	NA	0.00039
Benzo(b)fluoranthene	1E-05	3.9E-03	NV	0.0039	NA	NA	NA	0.00390
Benzo(g,h,i)perylene	NC	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	1E-05	3.9E-02	NV	0.039	NA	NA	NA	0.039
Bis(2-ethylhexyl)phthalate	1E-05	2.0E-01	NV	0.2	2.0E+00	NA	2.0	0.20
Chrysene	1E-05	3.9E-01	NV	0.39	NA	NA	NA	0.39
Dibenzo(ah)anthracene	1E-05	3.9E-04	NV	0.000	NA	NA	NA	0.00039
Fluoranthene	NC	NA	NA	NA	4.1E+00	NA	4.10	4.1
Indeno(1,2,3-c,d)pyrene	1E-05	3.9E-03	NV	0.0039	NA	NA	NA	0.0039
Naphthalene	1E-04	NA	2.4E-02	0.024	2.0E+00	8.8E-03	0.0087	0.0087
Phenanthrene	NC	NA	NA	NA	NA	NA	NA	NA
Inorganics								
Arsenic	1E-05	1.9E-03	NV	0.0019	3.1E-02	NV	0.031	0.0019
Barium	NC	NA	NV	NA	2.0E+01	NV	20	20
Cadmium	1E-05	NA	NV	NA	5.1E-02	NV	0.051	0.051
Chromium, total	1E-05	NA	NV	NA	NA	NV	NA	NA
Lead	1E-05	NA	NV	NA	NA	NV	NA	NA
Mercury	NC	NA	NA	NA	NA	8.8E-04	0.00088	0.00088
Selenium	NC	NA	NV	NA	5.1E-01	NV	0.51	0.51
Silver	NC	NA	NV	NA	5.1E-01	NV	0.51	0.51

RRSc (cancer effects) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (non-cancer effects) is calculated using a target hazard index (THI) of 1.

mg/L Milligrams per liter.
NA Not available; insufficient toxicity data.
RRS Risk reduction standard (mg/L); for each constituent, the minimum of the cancer-effects (RRSc) and the non-cancer-effects (RRSnc).

Table 8-20
Comparison of Maximum Concentrations Detected in Sediment to Type 1 Risk Reduction Standard
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Maximum Concentration Detected Above Water Table (mg/kg)	Type 1 RRS (mg/kg)	Source of Type 1 Standard	Type 1 Standard Exceeded?
Volatile Organic Compounds				
Acetone	0.082	400	GW	no
Dichlorodifluoromethane	0.011	23	PRGnc-Res	no
2-Butanone	0.023	200	GW	no
Toluene	0.0086	100	GW	no

GW	Appendix III Table 1 times 100.
mg/kg	Milligrams per kilogram.
PRGc-Res	Calculated default residential carcinogenic preliminary remediation goal using Equation 6 from USEPA's Risk Assessment Guidance for Superfund, Part B (USEPA 1991).
RRS	Risk Reduction Standard.

Table 8-21
Comparison of Maximum Concentrations Detected in Surface Water to
Georgia In-stream Water Quality Standards
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Detected Regulated Substance	Maximum Concentration Detected (mg/L)	Georgia Instream Water Quality Standard (mg/L)	Standard Exceeded?
Volatile Organic Compounds			
Methylene chloride	0.0049	0.59	no

mg/L Milligrams per liter.

Table 8-22a
Summary of Input Parameters for Soil
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Resident Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Chemical CAS No. (numbers only, no dashes)	Initial Soil Concentration C_R (µg/kg)	Chemical
67641	3.50E+01	Acetone
107062	5.80E+00	1,2-Dichloroethane
78875	4.70E+01	1,2-Dichloropropane
100414	2.50E+02	Ethylbenzene
98828	7.50E+02	Isopropylbenzene
108883	3.50E+00	Toluene
79005	1.30E+01	1,1,2-Trichloroethane
79016	1.80E+02	Trichloroethene
106423	1.80E+03	Xylene, p-
95476	1.80E+02	Xylene, o-
208968	2.70E+02	Acenaphthylene
120127	2.70E+02	Anthracene
91203	9.10E+01	Naphthalene
85018	2.50E+02	Phenanthrene

ENTER Average soil temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Depth below grade to bottom of contamination, (enter value of 0 if value is unknown) L_b (cm)	ENTER Totals must add up to value of L_t (cell G45) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
19.6	15	182.88	243.84	182.88			S		

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum A soil organic carbon fraction, f_{oc}^A (unitless)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum B soil organic carbon fraction, f_{oc}^B (unitless)
S	1.66	0.38	0.05	0.002					

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.48	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)	ENTER Exposure Time ET (hrs/days)
70	30	30	350	1.0E-06	1	24

Table 8-22b
Type 4 Risk Reduction Standard for Lead in Soil Based on Adult Worker Exposure Scenario
HAA-15 (MCA Barracks Site)
Fort Stewart/Hunter Army Airfield - Savannah, Georgia

$$RRS_{lead} = \left[\frac{(PbB - PbB_b) \times AT}{BSF \times EF} - C_w \times I_w \times A_w \right] (I_s \times A_s)^{-1}$$

where:

$$PbB = \frac{PbB_{fetal}}{GSD^{1.645} \times R}$$

where:

A_s	=	0.12	=	Absolute gastrointestinal absorption factor for ingested lead in soil and lead in dust derived from soil (unitless).
AT	=	365	=	Averaging time (days/year).
A_w	=	0.2	=	Absolute gastrointestinal absorption factor for ingested lead in drinking water (unitless).
BSF	=	0.4	=	Biokinetic slope factor relating increase in typical adult blood lead concentration to average daily lead uptake (µg/dL blood lead increase per µg/day lead uptake).
C_w	=	15	=	Concentration of lead in the groundwater (µg/L, Type 3 risk reduction standard).
EF	=	219	=	Exposure frequency (days/year).
GSD	=	2.04	=	Geometric standard deviation.
I_s	=	0.05	=	Ingestion rate for indoor soil-derived dust (g/day).
I_w	=	1	=	Ingestion rate of groundwater (L/day).
PbB_{fetal}	=	10	=	Goal for the 95th percentile blood lead concentration among fetuses born to female workers exposed to site soils (µg/dL).
PbB	=	Calc.	=	Goal for the cental estimate of blood lead concentration in female workers exposed to site soils, intended to ensure that the fetal blood lead concentration does not exceed 10 µg/dL (µg/dL).
PbB_b	=	1.38	=	Typical blood lead concentration in adults in the absence of site exposures (µg/dL).
R	=	0.9	=	Constant of proportionality between fetal blood lead concentration at birth and maternal blood lead concentration (unitless).
RRS_{lead}	=	Calc.	=	Risk reduction standard for lead in soil based on adult worker exposure (mg/kg).

CALCULATION:

$$PbB = \frac{(10\ \mu g/dL)}{(2.04)^{1.645} \times 0.9} = 3.44\ \mu g/dL$$

$$RGO_{lead} = \left[\frac{(3.44\ \mu g/dL - 1.38\ \mu g/dL) \times (365\ days/year)}{0.4\ (\mu g/dL)/(\mu g/day) \times (219\ days/year)} - 2.8\ \mu g/L \times 1\ L/day \times 0.2 \right] \times (0.05\ g/day \times 0.12)^{-1}$$

$$= 930\ mg/kg$$

Source: Appendix IV, Georgia Adult Lead Model, of the HSRA regulation.

Table 8-23
Intercalculations
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Resident Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Initial soil concentration used, C_R (µg/kg)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Source vapor conc., C_{source} (µg/m^3)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (µg/m^3)	Finite source β term (unitless)	Finite source ψ term (sec)$^{-1}$	Time for source depletion, τ_D (sec)	Exposure duration > time for source depletion (YES/NO)	Finite source indoor attenuation coefficient, <α> (unitless)	Mass limit bldg. conc., $C_{building}$ (µg/m^3)	Finite source bldg. conc., $C_{building}$ (µg/m^3)	Final finite source bldg. conc., $C_{building}$ (µg/m^3)	Unit risk factor, URF (µg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
Acetone	3.50E+01	7,440	2.78E-05	1.16E-03	1.78E-04	1.71E-02	1.71E-02	1.08E+03	1.71E-02	1.24E+63	NA	NA	1.00E+00	1.13E-08	3.80E+07	YES	NA	1.22E-01	NA	1.22E-01	NA	3.1E+01
1,2-Dichloroethane	5.80E+00	8,417	9.08E-04	3.78E-02	1.78E-04	1.39E-02	1.39E-02	1.84E+03	1.39E-02	9.59E+77	NA	NA	1.00E+00	9.40E-08	4.56E+06	YES	NA	2.02E-02	NA	2.02E-02	2.6E-05	7.0E-03
1,2-Dichloropropane	4.70E+01	8,527	2.16E-03	9.00E-02	1.78E-04	1.19E-02	1.19E-02	2.47E+04	1.19E-02	1.41E+91	NA	NA	1.00E+00	1.33E-07	3.22E+06	YES	NA	1.64E-01	NA	1.64E-01	1.0E-05	4.0E-03
Ethylbenzene	2.50E+02	10,045	5.76E-03	2.40E-01	1.78E-04	1.11E-02	1.11E-02	6.18E+04	1.11E-02	4.35E+97	NA	NA	1.00E+00	5.84E-08	7.34E+06	YES	NA	8.71E-01	NA	8.71E-01	NA	1.0E+00
Isopropylbenzene	7.50E+02	12,509	7.79E-03	3.24E-01	1.78E-04	9.75E-03	9.75E-03	1.63E+05	9.75E-03	7.10E+110	NA	NA	1.00E+00	4.53E-08	9.47E+06	YES	NA	2.61E+00	NA	2.61E+00	NA	4.0E-01
Toluene	3.50E+00	9,050	5.01E-03	2.09E-01	1.78E-04	1.26E-02	1.26E-02	1.35E+03	1.26E-02	8.27E+85	NA	NA	1.00E+00	1.04E-07	4.14E+06	YES	NA	1.22E-02	NA	1.22E-02	NA	5.0E+00
1,1,2-Trichloroethane	1.30E+01	9,468	6.14E-04	2.55E-02	1.78E-04	1.08E-02	1.08E-02	2.09E+03	1.08E-02	8.62E+99	NA	NA	1.00E+00	3.72E-08	1.15E+07	YES	NA	4.53E-02	NA	4.53E-02	1.6E-05	2.0E-04
Trichloroethene	1.80E+02	8,438	7.57E-03	3.15E-01	1.78E-04	1.11E-02	1.11E-02	2.64E+05	1.11E-02	2.28E+97	NA	NA	1.00E+00	3.48E-07	1.23E+06	YES	NA	6.27E-01	NA	6.27E-01	4.1E-06	2.0E-03
Xylene, p-	1.80E+03	10,136	5.03E-03	2.09E-01	1.78E-04	1.10E-02	1.10E-02	4.58E+05	1.10E-02	8.88E+97	NA	NA	1.00E+00	6.00E-08	7.15E+06	YES	NA	6.27E+00	NA	6.27E+00	NA	1.0E-01
Xylene, o-	1.80E+02	10,295	3.76E-03	1.56E-01	1.78E-04	1.11E-02	1.11E-02	3.40E+04	1.11E-02	9.86E+96	NA	NA	1.00E+00	4.50E-08	9.54E+06	YES	NA	6.27E-01	NA	6.27E-01	NA	1.0E-01
Acenaphthylene	2.70E+02	17,225	6.61E-05	2.75E-03	1.78E-04	7.10E-03	7.10E-03	1.20E+02	7.10E-03	1.77E+152	NA	NA	1.00E+00	6.72E-11	6.39E+09	NO	1.34E-03	NA	1.60E-01	1.60E-01	NA	NA
Anthracene	2.70E+02	21,626	2.84E-05	1.18E-03	1.78E-04	6.30E-03	6.30E-03	9.73E+00	6.30E-03	2.80E+171	NA	NA	1.00E+00	4.86E-12	8.84E+10	NO	1.22E-03	NA	1.19E-02	1.19E-02	NA	NA
Naphthalene	9.10E+01	12,813	2.95E-04	1.23E-02	1.78E-04	9.78E-03	9.78E-03	3.58E+02	9.78E-03	3.10E+110	NA	NA	1.00E+00	8.23E-10	5.21E+08	YES	NA	3.17E-01	NA	3.17E-01	3.4E-05	3.0E-03
Phenanthrene	2.50E+02	17,474	1.35E-05	5.63E-04	1.78E-04	8.78E-03	8.78E-03	2.37E+00	8.78E-03	1.11E+123	NA	NA	1.00E+00	1.78E-12	2.41E+11	NO	1.70E-03	NA	4.03E-03	4.03E-03	NA	NA

Table 8-24
Summary of Results
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Resident Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
Acetone	NA	NA	NA	3.75E+07	NA	NA	3.8E-06
1,2-Dichloroethane	NA	NA	NA	1.02E+06	NA	2.2E-07	2.8E-03
1,2-Dichloropropane	NA	NA	NA	4.80E+05	NA	6.7E-07	3.9E-02
Ethylbenzene	NA	NA	NA	1.64E+05	NA	NA	8.4E-04
Isopropylbenzene	NA	NA	NA	9.14E+04	NA	NA	6.3E-03
Toluene	NA	NA	NA	2.84E+05	NA	NA	2.3E-06
1,1,2-Trichloroethane	NA	NA	NA	7.29E+05	NA	3.0E-07	2.2E-01
Trichloroethene	NA	NA	NA	2.75E+05	NA	1.1E-06	3.0E-01
Xylene, p-	NA	NA	NA	1.33E+05	NA	NA	6.0E-02
Xylene, o-	NA	NA	NA	1.47E+05	NA	NA	6.0E-03
Acenaphthylene	NA	NA	NA	1.00E+05	NA	NA	NA
Anthracene	NA	NA	NA	1.42E+03	NA	NA	NA
Naphthalene	NA	NA	NA	9.68E+04	NA	4.4E-06	1.0E-01
Phenanthrene	NA	NA	NA	6.83E+04	NA	NA	NA
Total Risk and Hazard						**7E-06**	**0.7**

Table 8-25
Summary of Input Parameters for Soil
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Site Worker Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Chemical CAS No. (numbers only, no dashes)	Initial Soil Concentration C_R (µg/kg)	Chemical
67641	3.50E+01	Acetone
107062	5.80E+00	1,2-Dichloroethane
78875	4.70E+01	1,2-Dichloropropane
100414	2.50E+02	Ethylbenzene
98828	7.50E+02	Isopropylbenzene
108883	3.50E+00	Toluene
79005	1.30E+01	1,1,2-Trichloroethane
79016	1.80E+02	Trichloroethene
106423	1.80E+03	Xylene, p-
95476	1.80E+02	Xylene, o-
208968	2.70E+02	Acenaphthylene
120127	2.70E+02	Anthracene
91203	9.10E+01	Naphthalene
85018	2.50E+02	Phenanthrene

ENTER Average soil temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Depth below grade to bottom of contamination, (enter value of 0 if value is unknown) L_b (cm)	ENTER Totals must add up to value of L_t (cell G45) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
19.6	15	182.88	243.84	182.88			S		

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum A soil organic carbon fraction, f_{oc}^A (unitless)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum B soil organic carbon fraction, f_{oc}^B (unitless)
S	1.66	0.38	0.05	0.002					

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	366	0.1	0.48	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)	ENTER Exposure Time ET (hrs/days)
70	25	25	250	1.0E-06	1	8

Table 8-26
Intercalculations
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Site Worker Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Initial soil concentration used, C_R (µg/kg)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Source vapor conc., C_{source} (µg/m^3)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (µg/m^3)	Finite source β term (unitless)	Finite source ψ term (sec)$^{-1}$	Time for source depletion, τ_D (sec)	Exposure duration > time for source depletion (YES/NO)	Finite source indoor attenuation coefficient, $<\alpha>$ (unitless)	Mass limit bldg. conc., $C_{building}$ (µg/m^3)	Finite source bldg. conc., $C_{building}$ (µg/m^3)	Final finite source bldg. conc., $C_{building}$ (µg/m^3)	Unit risk factor, URF (µg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
Acetone	3.50E+01	7,440	2.78E-05	1.16E-03	1.78E-04	1.71E-02	1.71E-02	1.08E+03	1.71E-02	1.24E+63	NA	NA	1.00E+00	1.13E-08	3.80E+07	YES	NA	9.76E-02	NA	9.76E-02	NA	3.1E+01
1,2-Dichloroethane	5.80E+00	8,417	9.08E-04	3.78E-02	1.78E-04	1.39E-02	1.39E-02	1.84E+03	1.39E-02	9.59E+77	NA	NA	1.00E+00	9.40E-08	4.56E+06	YES	NA	1.62E-02	NA	1.62E-02	2.6E-05	7.0E-03
1,2-Dichloropropane	4.70E+01	8,527	2.16E-03	9.00E-02	1.78E-04	1.19E-02	1.19E-02	2.47E+04	1.19E-02	1.41E+91	NA	NA	1.00E+00	1.33E-07	3.22E+06	YES	NA	1.31E-01	NA	1.31E-01	1.0E-05	4.0E-03
Ethylbenzene	2.50E+02	10,045	5.76E-03	2.40E-01	1.78E-04	1.11E-02	1.11E-02	6.18E+04	1.11E-02	4.35E+97	NA	NA	1.00E+00	5.84E-08	7.34E+06	YES	NA	6.97E-01	NA	6.97E-01	NA	1.0E+00
Isopropylbenzene	7.50E+02	12,509	7.79E-03	3.24E-01	1.78E-04	9.75E-03	9.75E-03	1.63E+05	9.75E-03	7.10E+110	NA	NA	1.00E+00	4.53E-08	9.47E+06	YES	NA	2.09E+00	NA	2.09E+00	NA	4.0E-01
Toluene	3.50E+00	9,050	5.01E-03	2.09E-01	1.78E-04	1.26E-02	1.26E-02	1.35E+03	1.26E-02	8.27E+85	NA	NA	1.00E+00	1.04E-07	4.14E+06	YES	NA	9.76E-03	NA	9.76E-03	NA	5.0E+00
1,1,2-Trichloroethane	1.30E+01	9,468	6.14E-04	2.55E-02	1.78E-04	1.08E-02	1.08E-02	2.09E+03	1.08E-02	8.62E+99	NA	NA	1.00E+00	3.72E-08	1.15E+07	YES	NA	3.62E-02	NA	3.62E-02	1.6E-05	2.0E-04
Trichloroethene	1.80E+02	8,438	7.57E-03	3.15E-01	1.78E-04	1.11E-02	1.11E-02	2.64E+05	1.11E-02	2.28E+97	NA	NA	1.00E+00	3.48E-07	1.23E+06	YES	NA	5.02E-01	NA	5.02E-01	4.1E-06	2.0E-03
Xylene, p-	1.80E+03	10,136	5.03E-03	2.09E-01	1.78E-04	1.10E-02	1.10E-02	4.58E+05	1.10E-02	8.88E+97	NA	NA	1.00E+00	6.00E-08	7.15E+06	YES	NA	5.02E+00	NA	5.02E+00	NA	1.0E-01
Xylene, o-	1.80E+02	10,295	3.76E-03	1.56E-01	1.78E-04	1.11E-02	1.11E-02	3.40E+04	1.11E-02	9.86E+96	NA	NA	1.00E+00	4.50E-08	9.54E+06	YES	NA	5.02E-01	NA	5.02E-01	NA	1.0E-01
Acenaphthylene	2.70E+02	17,225	6.61E-05	2.75E-03	1.78E-04	7.10E-03	7.10E-03	1.20E+02	7.10E-03	1.77E+152	NA	NA	1.00E+00	6.72E-11	6.39E+09	NO	8.95E-04	NA	1.07E-01	1.07E-01	NA	NA
Anthracene	2.70E+02	21,626	2.84E-05	1.18E-03	1.78E-04	6.30E-03	6.30E-03	9.73E+00	6.30E-03	2.80E+171	NA	NA	1.00E+00	4.86E-12	8.84E+10	NO	8.14E-04	NA	7.92E-03	7.92E-03	NA	NA
Naphthalene	9.10E+01	12,813	2.95E-04	1.23E-02	1.78E-04	9.78E-03	9.78E-03	3.58E+02	9.78E-03	3.10E+110	NA	NA	1.00E+00	8.23E-10	5.21E+08	YES	NA	2.54E-01	NA	2.54E-01	3.4E-05	3.0E-03
Phenanthrene	2.50E+02	17,474	1.35E-05	5.63E-04	1.78E-04	8.78E-03	8.78E-03	2.37E+00	8.78E-03	1.11E+123	NA	NA	1.00E+00	1.78E-12	2.41E+11	NO	1.14E-03	NA	2.69E-03	2.69E-03	NA	NA

Table 8-27
Summary of Soil Results
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Site Worker Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Indoor exposure soil conc., carcinogen (μg/kg)	Indoor exposure soil conc., noncarcinogen (μg/kg)	Risk-based indoor exposure soil conc., (μg/kg)	Soil saturation conc., C_{sat} (μg/kg)	Final indoor exposure soil conc., (μg/kg)	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
Acetone	NA	NA	NA	3.75E+07	NA	NA	7.2E-07
1,2-Dichloroethane	NA	NA	NA	1.02E+06	NA	3.4E-08	5.3E-04
1,2-Dichloropropane	NA	NA	NA	4.80E+05	NA	1.1E-07	7.5E-03
Ethylbenzene	NA	NA	NA	1.64E+05	NA	NA	1.6E-04
Isopropylbenzene	NA	NA	NA	9.14E+04	NA	NA	1.2E-03
Toluene	NA	NA	NA	2.84E+05	NA	NA	4.5E-07
1,1,2-Trichloroethane	NA	NA	NA	7.29E+05	NA	4.7E-08	4.1E-02
Trichloroethene	NA	NA	NA	2.75E+05	NA	1.7E-07	5.7E-02
Xylene, p-	NA	NA	NA	1.33E+05	NA	NA	1.1E-02
Xylene, o-	NA	NA	NA	1.47E+05	NA	NA	1.1E-03
Acenaphthylene	NA	NA	NA	1.00E+05	NA	NA	NA
Anthracene	NA	NA	NA	1.42E+03	NA	NA	NA
Naphthalene	NA	NA	NA	9.68E+04	NA	7.0E-07	1.9E-02
Phenanthrene	NA	NA	NA	6.83E+04	NA	NA	NA
Total Risk and Hazard						**1E-06**	**0.1**

Table 8-28
Summary of Input Parameters For Shallow Groundwater
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Resident Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Chemical CAS No. (numbers only, no dashes)	Initial Groundwater Concentration C_W (µg/L)	Chemical
67641	1.90E+01	Acetone
71432	2.20E-01	Benzene
75150	3.30E+00	Carbon Disulfide
67663	1.10E+00	Chloroform
74873	2.60E-01	Chloromethane
95501	3.70E-01	1,2-Dichlorobenzene
75354	1.80E-01	1,1-Dichloroethene
156592	1.20E+02	cis-1,2-Dichloroethene
156605	5.50E-01	trans-1,2-Dichloroethene
100414	1.60E+00	Ethylbenzene
591786	2.70E-01	2-Hexanone
98828	1.40E+00	Isopropylbenzene
1634044	7.40E+00	Methyl tert-Butyl Ether (MTBE)
127184	1.40E+00	Tetrachloroethene
108883	5.00E-01	Toluene
79016	6.80E+01	Trichloroethene
75014	1.00E+00	Vinyl Chloride
1330207	8.20E-01	Xylene, Mixture

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Totals must add up to value of L_{WT} (cell G28) Thickness of soil stratum A, h_A (cm)	Thickness of soil stratum B, (Enter value or 0) h_B (cm)	Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
19.5	15	241.92	241.92	0	0	A	S	S		

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.38	0.05								

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s^2)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.48	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)	ENTER Exposure Time ET (hrs/days)
70	30	30	350	1.0E-05	1	24

Table 8-29
Intercalculations
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Resident Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Chemical Name	Henry's law constant at ave. gw temp H_{TS} (atm-m^3/mol)	Henry's law constant at ave. gw temp H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_{A} (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_{T} (cm^2/s)	Source vapor conc., C_{source} ($\mu g/m^3$)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
Acetone	2.76E-05	1.15E-03	1.78E-04	1.71E-02	1.41E-03	9.33E-03	2.19E+01	9.95E+01	1.71E-02	1.24E+63	9.32E-04	2.04E-02	NA	3.1E+01
Benzene	4.30E-03	1.79E-01	1.78E-04	1.45E-02	5.78E-04	5.16E-03	3.94E+01	9.95E+01	1.45E-02	4.56E+74	5.96E-04	2.35E-02	7.8E-06	3.0E-02
Carbon Disulfide	1.17E-02	4.86E-01	1.78E-04	1.72E-02	6.84E-04	6.11E-03	1.60E+03	9.95E+01	1.72E-02	6.31E+62	6.82E-04	1.09E+00	NA	7.0E-01
Chloroform	2.90E-03	1.21E-01	1.78E-04	1.24E-02	4.99E-04	4.45E-03	1.33E+02	9.95E+01	1.24E-02	8.06E+86	5.28E-04	7.01E-02	2.3E-05	9.8E-02
Chloromethane	7.61E-03	3.17E-01	1.78E-04	2.00E-02	7.97E-04	7.12E-03	8.24E+01	9.95E+01	2.00E-02	8.44E+53	7.66E-04	6.32E-02	NA	9.0E-02
1,2-Dichlorobenzene	1.33E-03	5.54E-02	1.78E-04	9.08E-03	3.72E-04	3.29E-03	2.05E+01	9.95E+01	9.08E-03	1.02E+119	4.09E-04	8.38E-03	NA	2.0E-01
1,1-Dichloroethene	2.14E-02	8.89E-01	1.78E-04	1.40E-02	5.54E-04	4.95E-03	1.60E+02	9.95E+01	1.40E-02	2.81E+77	5.77E-04	9.23E-02	NA	2.0E-01
cis-1,2-Dichloroethene	3.20E-03	1.33E-01	1.78E-04	1.43E-02	5.72E-04	5.10E-03	1.60E+04	9.95E+01	1.43E-02	4.10E+75	5.91E-04	9.46E+00	NA	NA
trans-1,2-Dichloroethene	3.26E-03	1.36E-01	1.78E-04	1.42E-02	5.67E-04	5.06E-03	7.48E+01	9.95E+01	1.42E-02	1.99E+76	5.87E-04	4.39E-02	NA	6.0E-02
Ethylbenzene	5.73E-03	2.39E-01	1.78E-04	1.11E-02	4.41E-04	3.94E-03	3.82E+02	9.95E+01	1.11E-02	4.35E+97	4.77E-04	1.82E-01	NA	1.0E+00
2-Hexanone	3.95E-05	1.65E-03	1.78E-04	1.14E-02	8.27E-04	5.81E-03	4.44E-01	9.95E+01	1.14E-02	9.90E+94	6.56E-04	2.91E-04	NA	3.0E-02
Isopropylbenzene	7.73E-03	3.22E-01	1.78E-04	9.75E-03	3.88E-04	3.47E-03	4.51E+02	9.95E+01	9.75E-03	7.10E+110	4.28E-04	1.93E-01	NA	4.0E-01
Methyl tert-Butyl Ether (MTBE	4.68E-04	1.95E-02	1.78E-04	1.22E-02	5.14E-04	4.50E-03	1.44E+02	9.95E+01	1.22E-02	6.49E+88	5.34E-04	7.69E-02	2.6E-07	3.0E+00
Tetrachloroethene	1.31E-02	5.46E-01	1.78E-04	8.16E-03	3.24E-04	2.90E-03	7.64E+02	9.95E+01	8.16E-03	2.89E+132	3.66E-04	2.80E-01	5.9E-06	2.7E-01
Toluene	4.98E-03	2.07E-01	1.78E-04	1.26E-02	5.02E-04	4.48E-03	1.04E+02	9.95E+01	1.26E-02	8.27E+85	5.31E-04	5.51E-02	NA	5.0E+00
Trichloroethene	7.54E-03	3.14E-01	1.78E-04	1.11E-02	4.42E-04	3.95E-03	2.13E+04	9.95E+01	1.11E-02	2.28E+97	4.78E-04	1.02E+01	4.1E-06	2.0E-03
Vinyl Chloride	2.38E-02	9.91E-01	1.78E-04	1.73E-02	6.87E-04	6.14E-03	9.91E+02	9.95E+01	1.73E-02	2.55E+62	6.85E-04	6.79E-01	4.4E-06	1.0E-01
Xylene, Mixture	3.75E-03	1.56E-01	1.78E-04	1.37E-02	5.47E-04	4.88E-03	1.28E+02	9.95E+01	1.37E-02	7.70E+78	5.70E-04	7.31E-02	NA	1.0E-01

Table 8-30
Summary of Results
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Resident Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Indoor groundwater conc., carcinogen (µg/L)	Indoor groundwater conc., noncarcinogen (µg/L)	Risk-based exposure groundwater conc., (µg/L)	Pure water solubility, S (µg/L)	Final exposure groundwater conc., (µg/L)	Total Excess Lifetime Cancer Risk (unitless)	Total Non-Cancer Hazard (unitless)
Acetone	NA	NA	NA	1.00E+09	NA	NA	6.3E-07
Benzene	NA	NA	NA	1.79E+06	NA	7.5E-08	7.5E-04
Carbon Disulfide	NA	NA	NA	2.16E+06	NA	NA	1.5E-03
Chloroform	NA	NA	NA	7.95E+06	NA	6.6E-07	6.9E-04
Chloromethane	NA	NA	NA	5.32E+06	NA	NA	6.7E-04
1,2-Dichlorobenzene	NA	NA	NA	1.56E+05	NA	NA	4.0E-05
1,1-Dichloroethene	NA	NA	NA	2.42E+06	NA	NA	4.4E-04
cis-1,2-Dichloroethene	NA	NA	NA	6.41E+06	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	4.52E+06	NA	NA	7.0E-04
Ethylbenzene	NA	NA	NA	1.69E+05	NA	NA	1.7E-04
2-Hexanone	NA	NA	NA	1.72E+07	NA	NA	9.3E-06
Isopropylbenzene	NA	NA	NA	6.13E+04	NA	NA	4.6E-04
Methyl tert-Butyl Ether (MTBE)	NA	NA	NA	5.10E+07	NA	8.2E-09	2.5E-05
Tetrachloroethene	NA	NA	NA	2.06E+05	NA	6.8E-07	9.9E-04
Toluene	NA	NA	NA	5.26E+05	NA	NA	1.1E-05
Trichloroethene	NA	NA	NA	1.28E+06	NA	1.7E-05	4.9E+00
Vinyl Chloride	NA	NA	NA	8.80E+06	NA	1.2E-06	6.5E-03
Xylene, Mixture	NA	NA	NA	1.06E+05	NA	NA	7.0E-04
Total Risk and Hazard						**2E-05**	**5**

Table 8-31
Summary of Input Parameters for Shallow Groundwater
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Site Worker Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Chemical CAS No. (numbers only, no dashes)	Initial Groundwater Concentration C_W (µg/L)	Chemical
67641	1.90E+01	Acetone
71432	2.20E-01	Benzene
75150	3.30E+00	Carbon Disulfide
67663	1.10E+00	Chloroform
74873	2.60E-01	Chloromethane
95501	3.70E-01	1,2-Dichlorobenzene
75354	1.80E-01	1,1-Dichloroethene
156592	1.20E+02	cis-1,2-Dichloroethene
156605	5.50E-01	trans-1,2-Dichloroethene
100414	1.60E+00	Ethylbenzene
591786	2.70E-01	2-Hexanone
98828	1.40E+00	Isopropylbenzene
1634044	7.40E+00	Methyl tert-Butyl Ether (MTBE)
127184	1.40E+00	Tetrachloroethene
108883	5.00E-01	Toluene
79016	6.80E+01	Trichloroethene
75014	1.00E+00	Vinyl Chloride
1330207	8.20E-01	Xylene, Mixture

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Totals must add up to value of L_{WT} (cell G28) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
19.5	15	241.92	241.92	0	0	A	S	S		

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.38	0.05								

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	366	0.1	0.48	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)	ENTER Exposure Time ET (hrs/days)
70	25	25	250	1.0E-06	1	8

Table 8-32
Intercalculations
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Site Worker Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Chemical Name	Henry's law constant at ave. gw temp H_{TS} (atm-m^3/mol)	Henry's law constant at ave. gw temp H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_{A} (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_{T} (cm^2/s)	Source vapor conc., C_{source} ($\mu g/m^3$)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
Acetone	2.76E-05	1.15E-03	1.78E-04	1.71E-02	1.41E-03	9.33E-03	2.19E+01	9.95E+01	1.71E-02	1.24E+63	6.21E-04	1.36E-02	NA	3.1E+01
Benzene	4.30E-03	1.79E-01	1.78E-04	1.45E-02	5.78E-04	5.16E-03	3.94E+01	9.95E+01	1.45E-02	4.56E+74	3.97E-04	1.57E-02	7.8E-06	3.0E-02
Carbon Disulfide	1.17E-02	4.86E-01	1.78E-04	1.72E-02	6.84E-04	6.11E-03	1.60E+03	9.95E+01	1.72E-02	6.31E+62	4.55E-04	7.29E-01	NA	7.0E-01
Chloroform	2.90E-03	1.21E-01	1.78E-04	1.24E-02	4.99E-04	4.45E-03	1.33E+02	9.95E+01	1.24E-02	8.06E+86	3.52E-04	4.67E-02	2.3E-05	9.8E-02
Chloromethane	7.61E-03	3.17E-01	1.78E-04	2.00E-02	7.97E-04	7.12E-03	8.24E+01	9.95E+01	2.00E-02	8.44E+53	5.11E-04	4.21E-02	NA	9.0E-02
1,2-Dichlorobenzene	1.33E-03	5.54E-02	1.78E-04	9.08E-03	3.72E-04	3.29E-03	2.05E+01	9.95E+01	9.08E-03	1.02E+119	2.73E-04	5.59E-03	NA	2.0E-01
1,1-Dichloroethene	2.14E-02	8.89E-01	1.78E-04	1.40E-02	5.54E-04	4.95E-03	1.60E+02	9.95E+01	1.40E-02	2.81E+77	3.85E-04	6.16E-02	NA	2.0E-01
cis-1,2-Dichloroethene	3.20E-03	1.33E-01	1.78E-04	1.43E-02	5.72E-04	5.10E-03	1.60E+04	9.95E+01	1.43E-02	4.10E+75	3.94E-04	6.31E+00	NA	NA
trans-1,2-Dichloroethene	3.26E-03	1.36E-01	1.78E-04	1.42E-02	5.67E-04	5.06E-03	7.48E+01	9.95E+01	1.42E-02	1.99E+76	3.91E-04	2.92E-02	NA	6.0E-02
Ethylbenzene	5.73E-03	2.39E-01	1.78E-04	1.11E-02	4.41E-04	3.94E-03	3.82E+02	9.95E+01	1.11E-02	4.35E+97	3.18E-04	1.21E-01	NA	1.0E+00
2-Hexanone	3.95E-05	1.65E-03	1.78E-04	1.14E-02	8.27E-04	5.81E-03	4.44E-01	9.95E+01	1.14E-02	9.90E+94	4.37E-04	1.94E-04	NA	3.0E-02
Isopropylbenzene	7.73E-03	3.22E-01	1.78E-04	9.75E-03	3.88E-04	3.47E-03	4.51E+02	9.95E+01	9.75E-03	7.10E+110	2.85E-04	1.29E-01	NA	4.0E-01
Methyl tert-Butyl Ether (MTBE	4.68E-04	1.95E-02	1.78E-04	1.22E-02	5.14E-04	4.50E-03	1.44E+02	9.95E+01	1.22E-02	6.49E+88	3.56E-04	5.13E-02	2.6E-07	3.0E+00
Tetrachloroethene	1.31E-02	5.46E-01	1.78E-04	8.16E-03	3.24E-04	2.90E-03	7.64E+02	9.95E+01	8.16E-03	2.89E+132	2.44E-04	1.87E-01	5.9E-06	2.7E-01
Toluene	4.98E-03	2.07E-01	1.78E-04	1.26E-02	5.02E-04	4.48E-03	1.04E+02	9.95E+01	1.26E-02	8.27E+85	3.54E-04	3.67E-02	NA	5.0E+00
Trichloroethene	7.54E-03	3.14E-01	1.78E-04	1.11E-02	4.42E-04	3.95E-03	2.13E+04	9.95E+01	1.11E-02	2.28E+97	3.19E-04	6.81E+00	4.1E-06	2.0E-03
Vinyl Chloride	2.38E-02	9.91E-01	1.78E-04	1.73E-02	6.87E-04	6.14E-03	9.91E+02	9.95E+01	1.73E-02	2.55E+62	4.56E-04	4.52E-01	4.4E-06	1.0E-01
Xylene, Mixture	3.75E-03	1.56E-01	1.78E-04	1.37E-02	5.47E-04	4.88E-03	1.28E+02	9.95E+01	1.37E-02	7.70E+78	3.80E-04	4.88E-02	NA	1.0E-01

Table 8-33
Summary of Results
USEPA Spreadsheets for the Johnson and Ettinger Vapor Intrusion Model
Site Worker Receptor
HAA-15 (MCA Barracks Site)
Hunter Army Airfield, Savannah, Georgia

Constituent	Indoor groundwater conc., carcinogen (µg/L)	Indoor groundwater conc., noncarcinogen (µg/L)	Risk-based exposure groundwater conc., (µg/L)	Pure water solubility, S (µg/L)	Final exposure groundwater conc., (µg/L)	Total Excess Lifetime Cancer Risk (unitless)	Total Non-Cancer Hazard (unitless)
Acetone	NA	NA	NA	1.00E+09	NA	NA	1.0E-07
Benzene	NA	NA	NA	1.79E+06	NA	1.0E-08	1.2E-04
Carbon Disulfide	NA	NA	NA	2.16E+06	NA	NA	2.4E-04
Chloroform	NA	NA	NA	7.95E+06	NA	8.8E-08	1.1E-04
Chloromethane	NA	NA	NA	5.32E+06	NA	NA	1.1E-04
1,2-Dichlorobenzene	NA	NA	NA	1.56E+05	NA	NA	6.4E-06
1,1-Dichloroethene	NA	NA	NA	2.42E+06	NA	NA	7.0E-05
cis-1,2-Dichloroethene	NA	NA	NA	6.41E+06	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	4.52E+06	NA	NA	1.1E-04
Ethylbenzene	NA	NA	NA	1.69E+05	NA	NA	2.8E-05
2-Hexanone	NA	NA	NA	1.72E+07	NA	NA	1.5E-06
Isopropylbenzene	NA	NA	NA	6.13E+04	NA	NA	7.3E-05
Methyl tert-Butyl Ether (MTBE)	NA	NA	NA	5.10E+07	NA	1.1E-09	3.9E-06
Tetrachloroethene	NA	NA	NA	2.06E+05	NA	9.0E-08	1.6E-04
Toluene	NA	NA	NA	5.26E+05	NA	NA	1.7E-06
Trichloroethene	NA	NA	NA	1.28E+06	NA	2.3E-06	7.8E-01
Vinyl Chloride	NA	NA	NA	8.80E+06	NA	1.6E-07	1.0E-03
Xylene, Mixture	NA	NA	NA	1.06E+05	NA	NA	1.1E-04
Total Risk and Hazard						**3E-06**	**0.8**

Table 9-1
Surface Soil Ecological Risk Assessment Dataset
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Location ID: / Sample Date: / Sample Depth:	SO018 10/1/2005 0 - 2	SO018 2/1/2006 0 - 2	SO018A 2/1/2006 0 - 1	SO018A 4/1/2006 0-2	SO018A2 4/6/2003 0-2	SO018B 2/1/2006 0 - 2	SO018B2 4/1/2006 0 - 2	SO018C 2/1/2006 0 - 2	SO018C2 4/1/2006 0 - 2	SO018D 2/1/2006 0 - 2
Volatile Organic Compounds (VOCs)											
Acetone		**0.027**	--	--	--	--	--	--	--	--	--
Carbon disulfide		--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane		< 0.0056 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene		--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene		--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene		--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane		< 0.0056 U	--	--	--	--	--	--	--	--	--
Ethylbenzene		< 0.0056 U	--	--	--	--	--	--	--	--	--
Isopropylbenzene		< 0.0056 U	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone		--	--	--	--	--	--	--	--	--	--
Toluene		< 0.0056 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane		< 0.0056 U	--	--	--	--	--	--	--	--	--
Trichloroethene		< 0.0056 U	--	--	--	--	--	--	--	--	--
m,p-Xylene		< 0.011 U	--	--	--	--	--	--	--	--	--
o-Xylene		< 0.0056 U	--	--	--	--	--	--	--	--	--
Xylenes (total)		--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs)											
Acenaphthylene		**0.066 J**	**0.014 J**	< 0.4 U	< 0.39 U	--	< 0.039 U	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	< 0.039 U
Anthracene		**0.071 J**	**0.035 J**	< 0.4 U	< 0.39 U	--	**0.040**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	< 0.039 U
Benz[a]anthracene		**0.41 J**	**0.12**	< 0.4 U	< 0.39 U	--	**0.078**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.011 J**
Benzo[a]pyrene		**0.41 J**	**0.13**	**0.083 J**	< 0.39 U	--	**0.034 J**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.0093 J**
Benzo[b]fluoranthene		**0.7 J**	**0.24**	**0.15 J**	< 0.39 U	--	**0.18**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.022 J**
Benzo[g,h,i]perylene		**0.24 J**	**0.089**	**0.15 J**	< 0.39 U	--	**0.074**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.019 J**
Benzo[k]fluoranthene		**0.32 J**	**0.097**	< 0.4 U	< 0.39 U	--	**0.093**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	< 0.039 U
Bis(2-ethylhexyl)phthalate		< 0.19 U	**0.19 J**	< 2 U	**0.045 J**	--	< 0.2 U	< 0.39 U	< 0.18 U [< 0.19 U]	< 0.44 U	< 0.2 U
Chrysene		**0.5 J**	**0.18**	**0.083 J**	< 0.39 U	--	**0.12**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.013 J**
Dibenz[a,h]anthracene		**0.092 J**	**0.028 J**	< 0.4 U	< 0.39 U	--	**0.017 J**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	< 0.039 U
Fluoranthene		**0.78 J**	**0.3**	**0.097 J**	< 0.39 U	--	**0.11**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.011 J**
Indeno[1,2,3-cd]pyrene		**0.24 J**	**0.081**	**0.1 J**	< 0.39 U	--	**0.058**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.012 J**
Naphthalene		< 0.038 U	< 0.045 U	**0.091 J**	< 0.39 U	--	**0.035 J**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.0099 J**
Phenanthrene		**0.1**	**0.12**	**0.12 J**	< 0.39 U	--	**0.059**	< 0.39 U	< 0.036 U [< 0.037 U]	< 0.44 U	**0.023 J**
Inorganics											
Arsenic		**2.7 J**	**1.5**	**2.2**	< 1.1 U	--	**2.7**	**1.5**	**0.6 J [0.68 J]**	**7**	**1.6**
Barium		**32 J**	**29**	**38**	**14**	--	**83**	**16**	**9.2 [10]**	**57**	**38**
Cadmium		**0.3**	**0.31**	**0.19 J**	< 0.56 U	--	**0.18 J**	< 0.52 U	**0.21 [0.066 J]**	< 0.62 U	**0.23**
Chromium		**5.1**	**4.6**	**4.8**	**2.5**	--	**4.9**	**3.5**	**2.5 [2.6]**	**2**	**2.2**
Lead		**200**	**150**	**120**	**48 J**	**48 J**	**220**	**9.8 J**	**9.8 [8.5]**	**5300 J**	**56**
Mercury		**0.7 J**	**1.4**	**0.89**	**0.029 J**	--	**0.18**	**0.025 J**	**0.046 [0.066]**	**0.084 J**	**0.35**
Selenium		< 1.1 U	< 1.3 U	< 1.1 U	< 2.8 UJ	--	< 1.2 U	< 2.6 UJ	< 1 U [< 1.1 U]	< 3.1 UJ	< 1.2 U
Silver		< 0.54 U	< 0.67 U	**0.14 J**	< 1.1 U	--	**0.29 J**	< 1 U	< 0.51 U [< 0.53 U]	< 1.2 U	< 0.58 U

Note: Units are milligrams per kilogram (mg/kg). Bold font indicates a detected concentration. Duplicate samples are indicated by brackets [ ].
-- Not analyzed / not applicable. < The analyte was not detected at the method detection limit.
U The analyte was not detected above the reporting limit.
J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

Table 9-2
Sediment Ecological Risk Assessment Dataset
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Location ID: / Sample Date:	MCA-SD001-1005 10/1/2005	MCA-SD002-1005 10/1/2005	MCA-SD003-1005 10/1/2005	MCA-SD004-1005 10/1/2005	MCA-SD005-1005 10/1/2005	MCA-SD006-1005 10/1/2005	MCA-SD007-0206 2/1/2006	MCA-SD008-0206 2/1/2006	MCA-SD009-0206 2/1/2006
Volatile Organic Compounds (VOCs)										
1,1,1,2-Tetrachloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,1,1-Trichloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,1,2,2-Tetrachloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,1,2-Trichloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,1-Dichloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,1-Dichloroethene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,2,3-Trichloropropane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,2-Dibromo-3-chloropropane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,2-Dibromoethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,2-Dichlorobenzene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,2-Dichloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,2-Dichloropropane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
1,3-Dichloropropane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
2-Butanone (MEK)		**0.011**	**0.0091 J [0.023 J]**	**0.013**	**0.018**	**0.0085**	**0.0099**	<0.006	<0.0062 [**0.0047 J**]	**0.0066 J**
4-Methyl-2-Pentanone		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Acetone		**0.082**	**0.044 [0.073 J]**	**0.078**	**0.062**	**0.05**	**0.046**	**0.0065**	<0.0062 **[0.01]**	**0.022**
Benzene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Bromodichloromethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Bromoform		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Bromomethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Carbon disulfide		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Carbon Tetrachloride		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Chlorobenzene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Chloroethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Chloroform		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Chloromethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
cis-1,2-Dichloroethene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
cis-1,3-Dichloropropene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Dibromochloromethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Dibromomethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Dichlorodifluoromethane		<0.007	<0.0064 [<0.0067]	**0.011**	<0.0079	**0.0094**	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Ethylbenzene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Isopropylbenzene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
m,p-Xylene		<0.014	<0.013 [<0.013]	<0.015	<0.016	<0.012	<0.014	<0.012	<0.012 [<0.013]	<0.015
Methylene chloride		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
o-Xylene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Styrene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Tetrachloroethene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Toluene		<0.007	<0.0064 [0.0086 J]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
trans-1,2-Dichloroethene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
trans-1,3-Dichloropropene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Trichloroethene		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Trichlorofluoromethane		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076
Vinyl Chloride		<0.007	<0.0064 [<0.0067]	<0.0075	<0.0079	<0.0062	<0.0068	<0.006	<0.0062 [<0.0063]	<0.0076

Note: Units are milligrams per kilogram (mg/kg). Bold font indicates a detected concentration. Duplicate samples are indicated by brackets [ ].

< The analyte was not detected at the method detection limit.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

Table 9-3
Surface Water Ecological Risk Assessment Dataset
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Location ID: / Sample Date:	MCA-SW001-1005 10/1/2005	MCA-SW002-1005 10/1/2005	MCA-SW003-1005 10/1/2005	MCA-SW004-1005 10/1/2005	MCA-SW005-1005 10/1/2005	MCA-SW006-1005 10/1/2005
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 5.0	< 5.0 [< 5.0]	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 5.0	< 5.0 [< 5.0]	< 5.0	< 5.0	< 5.0	< 5.0
Benzene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide		< 5.0	< 5.0 [< 5.0]	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 2.0	< 2.0 [< 2.0]	< 2.0	< 2.0	< 2.0	< 2.0
Methylene chloride		< 1.0	< 1.0 [**4.9 J**]	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Styrene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride		< 1.0	< 1.0 [< 1.0]	< 1.0	< 1.0	< 1.0	< 1.0

Note: Units are micrograms per liter (µg/L).
Bold font indicates a detected concentration.
Duplicate samples are indicated by brackets [ ].

< The analyte was not detected at the method detection limit.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

Table 9-4
Groundwater Ecological Risk Assessment Dataset
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Location ID: / Sample Date:	HGL-1B 2/2/2010	HGL-7B 2/4/2010	HGL-9B 2/3/2010	XX-12 2/3/2010	XX-13 4/12/2010	XX-15 2/2/2010	XX-25 2/3/2010	XX-26 2/3/2010
Volatile Organic Compounds (VOCs)									
1,1,1-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethylene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4-Trichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane (EDB)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone		< 10.0	**19**	**1.7 J**	**1.1 J**	**4.1 J**	< 10.0	< 10.0	< 10.0
Benzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzene, 1-methylethyl		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CFC-11		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CFC-12		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorodibromomethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene		< 0.5	**1.0**	< 0.5	< 0.5	< 0.5	**0.79**	< 0.5	< 0.5
cis-1,3-Dichloropropene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cyclohexane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropylbenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
m-Dichlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methyl acetate		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl tert-butyl ether		**7.4**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Styrene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tribromomethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethylene		< 0.5	**40**	< 0.5	< 0.5	< 0.5	**5.0**	< 0.5	**2.9**
Vinyl Chloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Note: Units are micrograms per liter (µg/L).
Bold font indicates a detected concentration.
< The analyte was not detected at the method detection limit.
J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sampl

Table 9-5
Soil Risk Assessment Dataset
Surface Soil (0-2 foot Depth Interval)
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent [a]	CASN	Frequency of Detection (FOD) [b] number of detects / number of samples	FOD %	Detects Min - Max (mg/kg)	Detection Limits Min - Max (mg/kg)	Maximum Location	Average
Volatile Organic Compounds (VOCs)							
Acetone	67-64-1	1 - 1	100	0.027 - 0.027	– - –	SO018(10/1/2005)	0.027
Semi-Volatile Organic Compounds (SVOCs)							
Acenaphthylene	208-96-8	2 - 9	22.2	0.014 - 0.066	0.036 - 0.44	SO018(10/1/2005)	0.105
Anthracene	120-12-7	3 - 9	33.3	0.035 - 0.071	0.036 - 0.44	SO018(10/1/2005)	0.11
Benz[a]anthracene	56-55-3	4 - 9	44.4	0.011 - 0.41	0.036 - 0.44	SO018(10/1/2005)	0.161
Benzo[a]pyrene	50-32-8	5 - 9	55.6	0.0093 - 0.41	0.036 - 0.44	SO018(10/1/2005)	0.144
Benzo[b]fluoranthene	205-99-2	5 - 9	55.6	0.022 - 0.7	0.036 - 0.44	SO018(10/1/2005)	0.213
Benzo[g,h,i]perylene	191-24-2	5 - 9	55.6	0.019 - 0.24	0.036 - 0.44	SO018(10/1/2005)	0.133
Benzo[k]fluoranthene	207-08-9	3 - 9	33.3	0.093 - 0.32	0.036 - 0.44	SO018(10/1/2005)	0.151
Bis(2-ethylhexyl)phthalate	117-81-7	2 - 9	22.2	0.045 - 0.19	0.18 - 2	SO018(2/1/2006)	0.226
Chrysene	218-01-9	5 - 9	55.6	0.013 - 0.5	0.036 - 0.44	SO018(10/1/2005)	0.169
Dibenz[a,h]anthracene	53-70-3	3 - 9	33.3	0.017 - 0.092	0.036 - 0.44	SO018(10/1/2005)	0.109
Fluoranthene	206-44-0	5 - 9	55.6	0.011 - 0.78	0.036 - 0.44	SO018(10/1/2005)	0.214
Indeno[1,2,3-cd]pyrene	193-39-5	5 - 9	55.6	0.012 - 0.24	0.036 - 0.44	SO018(10/1/2005)	0.124
Naphthalene	91-20-3	3 - 9	33.3	0.0099 - 0.091	0.036 - 0.44	SO018A(2/1/2006)	0.0895
Phenanthrene	85-01-8	5 - 9	55.6	0.023 - 0.12	0.036 - 0.44	SO018(2/1/2006),SO018A(2/1/2006)	0.117
Inorganics							
Arsenic	7440-38-2	8 - 9	88.9	0.68 - 7	1.1 - 1.1	SO018C2(4/1/2006)	2.27
Barium	7440-39-3	9 - 9	100	10 - 83	– - –	SO018B(2/1/2006)	35.2
Cadmium	7440-43-9	6 - 9	66.7	0.18 - 0.31	0.52 - 0.62	SO018(2/1/2006)	0.252
Total Chromium	7440-47-3	9 - 9	100	2 - 5.1	– - –	SO018(10/1/2005)	3.58
Lead	7439-92-1	10 - 10	100	9.8 - 5300	– - –	SO018C2(4/1/2006)	616
Elemental Mercury	7439-97-6	9 - 9	100	0.025 - 1.4	– - –	SO018(2/1/2006)	0.414
Silver	7440-22-4	2 - 9	22.2	0.14 - 0.29	0.51 - 1.2	SO018B(2/1/2006)	0.359

– Not detected/ not analyzed/ not applicable.
CASN Chemical abstracts registry number.
mg/kg Milligrams per kilograms.
ND Non-detects.

[a] Only chemicals detected at least once in are presented.
For duplicate samples, the highest detected value or the lowest detection limit were used.
For constituents analyzed in two methods, the result of the more precise method was used.

[b] Frequency of detection (FOD) = number of detects / total number of samples analyzed.

Table 9-7

Surface Water Risk Assessment Dataset
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent [a]	CASN	Frequency of Detection (FOD) [b]		Detects		Detection Limits		Maximum Sample	Average
		number of detects / number of samples	FOD %	Min - Max (mg/L)		Min - Max (mg/L)			
Volatile Organic Compounds (VOCs)									
Methylene Chloride	75-09-2	1 - 6	1/6	0.0049	- 0.0049	0.001	- 0.001	MCA-SW002-1005(10/1/2005)	0.00123

CASN Chemical abstracts registry number.
mg/L Milligrams per liter.

[a] Only chemicals detected at least once in are presented.
[b] Frequency of detection (FOD) = number of detects / total number of samples analyzed.

Table 9-8
Groundwater Risk Assessment Dataset
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent [a]	CASN	Frequency of Detection (FOD) [b]			Detects			Detection Limits			Maximum Location	Average
		number of detects / number of samples			FOD %	Min (mg/L)	Max (mg/L)	Min (mg/L)		Max (mg/L)		
Volatile Organic Compounds (VOCs)												
Acetone	67-64-1	4	-	8	50	0.0011	0.019	0.01	-	0.01	HGL-7B(2/4/2010)	0.00574
cis-1,2-Dichloroethene	156-59-2	2	-	8	25	0.00079	0.001	0.0005	-	0.0005	HGL-7B(2/4/2010)	0.000411
Methyl Tert Butyl Ether (MTBE)	1634-04-4	1	-	8	12.5	0.0074	0.0074	0.0005	-	0.0005	HGL-1B(2/2/2010)	0.00114
Trichloroethylene	79-01-6	3	-	8	37.5	0.0029	0.04	0.0005	-	0.0005	HGL-7B(2/4/2010)	0.00614

– Not detected/ not analyzed/ not applicable.
CASN Chemical abstracts registry number.
mg/L Milligrams per liter.
ND Non-detects.

[a] Only chemicals detected at least once in are presented.
For duplicate samples, the highest detected value or the lowest detection limit were used.
For constituents analyzed in two methods, the result of the more precise method was used.
[b] Frequency of detection (FOD) = number of detects / total number of samples analyzed.

Table 9-9
Federal- and State-Listed and Candidate Species of Potential Occurrence
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	Habitat	Habitat Present?
Amphibians							
Ambystoma cingulatum	Frosted Flatwoods Salamander	G2	S2	LT	T	Pine flatwoods; moist savannas; isolated cypress/gum ponds	no
Pseudacris brimleyi	Brimley's Chorus Frog	G5	S1			Moist forests; swamps; bottomlands	no
Rana capito	Gopher Frog	G3	S3		R	Sandhills; dry pine flatwoods; breed in isolated wetlands	no
Stereochilus marginatus	Many-lined Salamander	G5	S3			Sluggish, swampy streams and bayheads with substrate of leaf litter	no
Birds							
Ammodramus maritimus	Seaside Sparrow	G4	S3			Salt marshes	no
Charadrius melodus	Piping Plover	G3	S1	LT	T	Sandy beaches; tidal flats	no
Charadrius wilsonia	Wilson's Plover	G5	S2		T	Sandy beaches; tidal flats	no
Haematopus palliatus	American Oystercatcher	G5	S2		R	Sandy beaches; tidal flats; salt marshes	no
Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Edges of lakes & large rivers; seacoasts	no
Himantopus mexicanus	Black-necked Stilt	G5	S3			Shallow ponds; lagoons	no
Lanius ludovicianus migrans	Migrant Loggerhead Shrike	G4T3Q	S3			Open woods; field edges	no
Mycteria americana	Wood Stork	G4	S2	LE	E	Cypress/gum ponds; marshes; river swamps; bays	Yes
Nyctanassa violacea	Yellow-crowned Night-heron	G5	S3S4			River swamps; marshes; cypress/gum ponds	no
Nycticorax nycticorax	Black-crowned Night-heron	G5	S4			River swamps; marshes; cypress/gum ponds	no
Passerina ciris	Painted Bunting	G5	S3			Lower coastal plain in thickets, woodland borders, and brushy areas	no
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	E	Open pine woods; pine savannas	no
Rynchops niger	Black Skimmer	G5	S1		R	Tidal ponds; sandy beaches	no
Sterna antillarum	Least Tern	G4	S3		R	Sandy beaches; sandbars	no
Tyto alba	Barn owl	G5	S3S4			Georgia habitat information not available	no
Fish							
Acipenser brevirostrum	Shortnose Sturgeon	G3	S2	LE	E	Estuaries; lower end of large rivers in deep pools with soft substrates	no
Acipenser oxyrinchus oxyrinchus	Atlantic Sturgeon	G3T3	S3			Georgia habitat information not available	no
Moxostoma robustum	Robust Redhorse	G1	S1		E	Medium to large rivers, shallow riffles to deep flowing water; moderately swift current	no
Umbra pygmaea	Eastern Mudminnow	G5	S2S3			Sluggish streams, ponds, and sloughs with mud bottoms and heavy vegetation	no
Invertebrates							
Toxolasma pullus	Savannah Lilliput	G2	S2		T	Large rivers to small creeks, oxbows, and sloughs	no
Mammals							
Eubalaena glacialis	Northern Atlantic Right Whale	G1	S1	LE	E	Open ocean	no
Lasiurus intermedius	Northern Yellow Bat	G4G5	S2S3			Wooded areas near open water or fields	no
Pseudorca crassidens	False Killer Whale	G4	SNRN			Open ocean	no
Trichechus manatus	Manatee	G2	S1S2	LE	E	Open ocean; estuaries; tidal rivers	no
Reptiles							
Caretta caretta	Loggerhead Sea Turtle	G3	S2	LT	E	Open ocean; sounds; coastal rivers; beaches	no
Chelonia mydas	Green Sea Turtle	G3	S1	LT	T	Open ocean; sounds; coastal rivers; beaches	no
Clemmys guttata	Spotted Turtle	G5	S3		U	Heavily vegetated swamps, marshes, bogs, and small ponds; nest and possibly hibernate in surrounding uplands	no
Crotalus adamanteus	Eastern Diamond-backed Rattlesna	G4	S4			Early successional habitats on barrier islands and mainland; pine flatwoods; sandhills	no
Dermochelys coriacea	Leatherback Sea Turtle	G2	S1	LE	E	Open ocean; sounds; coastal beaches	no
Gopherus polyphemus	Gopher Tortoise	G3	S2		T	Sandhills; dry hammocks; longleaf pine-turkey oak woods; old fields	no
Lepidochelys kempii	Kemp's or Atlantic Ridley	G1	S1	LE	E	Open ocean; sounds; coastal rivers; beaches	no
Malaclemys terrapin	Diamondback Terrapin	G4	S3		U	Entire coast, estuarine and marine edge; All saltmarsh, beaches	no

Notes:
Global rarity rank: 1 = very rare to 5 = very common globally.
State rarity rank: 1 = very rare to 5 = very common.
State protection status: E = Endangered, T = Threatened, R = Rare, U = Unusual.
U.S. protection status: LE = Listed Endangered, LT = Listed Threatened, Candidate.

Data from:
US Fish and Wildlife Service (USFWS) Endangered Species Program online database http://www.fws.gov/endangered/
Georgia Department of Natural Resources Protected Species List by County (May 2010), online at http://www.georgiawildlife.com/node/1370

Table 9-10
Screening Level -Constituents of Potential Ecological Concern in Surface Soil
Screening Level Ecological Risk Assessment
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Frequency of Detection		Maximum Concentration (mg/kg)	Ecological Screening Value (ESVs) [a] (mg/kg)		Maximum HQ [b] (unitless)	Screening Level Constituent of Potential Ecological Concern? [c]	
				Value	*Source*		(YES/no)	Rationale
Volatile Organic Compounds (VOCs)								
Acetone	1 - 1	100%	0.027	–		NA	**YES**	**NSL**
Semi-Volatile Organic Compounds (SVOCs)								
Acenaphthylene	2 - 9	22%	0.066	–		NA	**YES**	**NSL**
Anthracene	3 - 9	33%	0.071	0.1	R4	0.7	no	HQ < 1
Benz[a]anthracene	4 - 9	44%	0.41	–		NA	**YES**	**NSL**
Benzo[a]pyrene	5 - 9	56%	0.41	0.1	R4	4	**YES**	**HQ > 1**
Benzo[b]fluoranthene	5 - 9	56%	0.7	–		NA	**YES**	**NSL**
Benzo[g,h,i]perylene	5 - 9	56%	0.24	–		NA	**YES**	**NSL**
Benzo[k]fluoranthene	3 - 9	33%	0.32	–		NA	**YES**	**NSL**
Bis(2-ethylhexyl)phthalate	2 - 9	22%	0.19	0.1	R4	2	**YES**	**HQ > 1**
Chrysene	5 - 9	56%	0.5	–		NA	**YES**	**NSL**
Dibenz[a,h]anthracene	3 - 9	33%	0.092	–		NA	**YES**	**NSL**
Fluoranthene	5 - 9	56%	0.78	0.1	R4	8	**YES**	**HQ > 1**
Indeno[1,2,3-cd]pyrene	5 - 9	56%	0.24	–		NA	**YES**	**NSL**
Naphthalene	3 - 9	33%	0.091	0.1	R4	0.9	no	HQ < 1
Phenanthrene	5 - 9	56%	0.12	0.1	R4	1	no	HQ < 1
Inorganics								
Arsenic	8 - 9	89%	7	10	R4	0.7	no	HQ < 1
Barium	9 - 9	100%	83	165	R4	0.5	no	HQ < 1
Cadmium	6 - 9	67%	0.31	1.6	R4	0.2	no	HQ < 1
Total Chromium	9 - 9	100%	5.1	0.4	R4	10	**YES**	**HQ > 1**
Lead	10 - 10	100%	5,300	50	R4	100	**YES**	**HQ > 1**
Elemental Mercury	9 - 9	100%	1.4	0.1	R4	10	**YES**	**HQ > 1**
Silver	2 - 9	22%	0.29	2	R4	0.1	no	HQ < 1

Notes:
mg/kg Milligrams per kilogram.

[a] Ecological soil screening levels were from:
USEPA Region 4 Ecological Screening Values (USEPA 2001b; R4).

[b] The maximum hazard quotient (HQ) is the ratio of the maximum constituent concentration to the screening level. HQs are rounded to one significant figure.

[c] Constituents with a hazard quotient (HQ) greater than 1 (HQ > 1) or without a screening level (NSL) were considered constituents of potential ecological concern (COPECs) for screening level assessment.

Table 9-11
Screening Level -Constituents of Potential Ecological Concern in Sediment
Screening Level Ecological Risk Assessment
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Frequency of Detection			Maximum Concentration (mg/kg)	Ecological Screening Value (ESVs) [a] (mg/kg)		Maximum HQ [b] (unitless)	Screening Level Constituent of Potential Ecological Concern? [c]	
					Value	*Source*		(YES/no)	Rationale
Volatile Organic Compounds (VOCs)									
Acetone	9	- 9	100%	0.082	–		NA	**YES**	**NSL**
Dichlorodifluoromethane	2	- 9	22%	0.011	–		NA	**YES**	**NSL**
2-Butanone (MEK)	8	- 9	89%	0.023	–		NA	**YES**	**NSL**
Toluene	1	- 9	11%	0.0086	–		NA	**YES**	**NSL**

Notes:
NA Not available or applicable.
mg/kg Milligrams per kilogram.

[a] Ecological sediment screening levels were from:
USEPA Region 4 Ecological Screening Values (USEPA 2001b; R4).
[b] The maximum hazard quotient (HQ) is the ratio of the maximum constituent concentration to the screening level. HQs are rounded to one significant figure.
[c] Constituents with a hazard quotient (HQ) greater than 1 (HQ > 1) or without a screening level (NSL) were considered constituents of potential ecological concern (COPECs) for screening level assessment.

Table 9-12
Screening Level -Constituents of Potential Ecological Concern in Surface Water
Screening Level Ecological Risk Assessment
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Frequency of Detection	Maximum Concentration (mg/L)	Ecological Screening Value (ESVs) [a] (mg/L)		Maximum HQ [b] (unitless)	Screening Level Constituent of Potential Ecological Concern? [c]	
			Value	*Source*		(YES/no)	Rationale
Volatile Organic Compounds (VOCs)							
Methylene Chloride	1 - 6 17%	0.0049	0.59	*GAEPD*	0.008	no	HQ < 1

Notes:
mg/L = Milligrams per liter.

[a] Ecological surface water screening levels were from:
Georgia Environmental Protection Division (GAEPD) 391-3-6-.03 Water Use Classifications and Water Quality Standards.

[b] The maximum hazard quotient (HQ) is the ratio of the maximum constituent concentration to the screening level. HQs are rounded to one significant figure.

[c] Constituents with a hazard quotient (HQ) greater than 1 (HQ > 1) or without a screening level (NSL) were considered constituents of potential ecological concern (COPECs) for screening level assessment.

Table 9-13
Screening Level -Constituents of Potential Ecological Concern in Groundwater
Screening Level Ecological Risk Assessment
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Frequency of Detection	Maximum Concentration (mg/L)	Ecological Screening Value (ESVs) [a] (mg/L)		Maximum HQ [b] (unitless)	Screening Level Constituent of Potential Ecological Concern? [c]	
			Value	*Source*		(YES/no)	Rationale
Volatile Organic Compounds (VOCs)							
Acetone	4 - 8 50%	0.019	–		NA	**YES**	**NSL**
cis-1,2-Dichloroethene	2 - 8 25%	0.001	–		NA	**YES**	**NSL**
Methyl Tert Butyl Ether (MTBE)	1 - 8 13%	0.0074	–		NA	**YES**	**NSL**
Trichloroethylene	3 - 8 38%	0.04	0.03	*GAEPD*	1	no	HQ < 1

Notes:
NA Not available or applicable.
mg/L Milligrams per liter.

[a] Ecological surface water screening levels were from the following sources in order of priority:
Georgia Environmental Protection Division (GAEPD) 391-3-6-.03 Water Use Classifications and Water Quality Standards.
USEPA Region 4 Ecological Screening Values (USEPA 2001b; R4).

[b] The maximum hazard quotient (HQ) is the ratio of the maximum constituent concentration to the screening level. HQs are rounded to one significant figure.

[c] Constituents with a hazard quotient (HQ) greater than 1 (HQ > 1) or without a screening level (NSL) were considered constituents of potential ecological concern (COPECs) for screening level assessment.

Table 9-14

Uncertainties in the Screening-Level and Baseline-Level Ecological Risk Assessments

HAA-15 (MCA Barracks Site)

Hunter Army Airfield - Savannah, Georgia

Assumptions	Description And Discussion Related To Uncertainties in ERA	Uncertainty in SLERA	Uncertainty in BERA
Analytical Sampling and Data Analysis			
Limited number of samples	Frequently, there are only a limited number of samples used in ERAs, and very often they are collected in a biased manner (i.e., targeting "hot spots"). This type of sampling often lacks statistical power and does not likely represent the concentrations in the environment in which wildlife exposure occurs. Similarly, limited data used to estimate uptake into organisms may overestimate exposure via the food web.	Overestimate of exposure and risk	Overestimate of exposure and risk
Use of maximum concentrations	Maximum concentrations are used to represent the upper estimate exposures. This practice compensates for uncertainty contributed by limited numbers of samples, but overestimates exposure and risk.	Overestimate of exposure and risk	Overestimate of exposure and risk
Detection limits	Detection limits may exceed ESVs (e.g., PAHs) or thresholds for adverse impacts are well below the analytical methods used in ERA (e.g., compounds that are known or suspected to cause endocrine effects).	May underestimate risk or effect on risk estimate unknown	May underestimate risk or effect on risk unknown
Degradation of chemicals not considered	ERAs are almost exclusively based on concentrations of target compounds, and little if any attention is given to degradation compounds that could be more toxic than the original chemical. Conversely, chemical concentrations may decrease over time due to natural physical processes.	Effect on risk estimate unknown	Effect on risk estimate unknown
Selection of COPCs			
Background concentrations	Chemicals may be identified as COPCs despite the fact that the detected concentrations are less than background concentrations. This occurs because the ERA process does not permit use of background until Step 3a of the BERA (USEPA 2001a; 2000).	Overestimate of risk	Not Applicable
Toxicology and ESVs			
Toxicity and exposure data for a limited number of species	Uncertainties exist in many aspects of the toxicology relied upon for conducting ERAs (Newman 1998; Lovett Doust et al. 1993). Toxicity and wildlife exposure data are only available for a limited number of species (most of them laboratory test species) under a strictly defined set of test conditions that deviate from natural conditions (Sample et al. 1996; Suter 1996; Sample et al. 1997).	Effect on risk estimate unknown	Effect on risk estimate unknown
Laboratory testing	In current practice, more than 95 percent of the resources in toxicology are focused toward the study of single chemicals (Cassee et al. 1998), while wildlife exposures rarely occur on a chemical-specific basis. Simplistic extrapolations from laboratory species to wildlife species and testing conditions to field conditions are not likely accurate, and are rarely, if ever, validated against natural conditions (Power 1996; Tannenbaum 2003).	Effect on risk estimate unknown	Effect on risk estimate unknown
Adaptation and tolerance	There is little consistency and no quantitative methodology for the consideration of the diminished bioavailability (and, thereby, diminished toxicity) even though this process is well documented (e.g., Alexander and Alexander 1999; Alexander 2000). Similarly, tolerance and adaptation are not considered directly (Millward and Klerks 2002; Grant 2002). Furthermore, the white rat often used in toxicological testing is bred to minimize differences between lab animals, thereby diminishing the genetic variability that gives wildlife some capability for adaptation and tolerance (Tannenbaum 2003).	Overestimate of risk	Overestimate of risk
Predator-prey interactions	There are relatively few studies that actually evaluate the effects of toxicity on predator-prey interactions, or on competition for scarce resources (Atchison et al. 1996), the very conditions within which all wildlife exists (Kapustka and Landis 1998).	Effect on risk estimate unknown	Effect on risk estimate unknown

Table 9-14

Uncertainties in the Screening-Level and Baseline-Level Ecological Risk Assessments

HAA-15 (MCA Barracks Site)

Hunter Army Airfield - Savannah, Georgia

Assumptions	Description And Discussion Related To Uncertainties in ERA	Uncertainty in SLERA	Uncertainty in BERA
HQs			
HQs based on maximum	The SLERA HQ is based on the maximum detected concentrations and the most conservative ESVs available (USEPA 1997; 2000). HQs in the BERA are based on the exposure point concentration (minimum of the 95% upper confidence limit on the mean and the maximum concentration).	Overestimate of risk	Overestimate of risk
Elevated HQs for background concentrations	HQs may exceed a value of 1 for background concentrations of naturally occurring metals (Tannenbaum 2003). This is due to many of the toxicology and ESV uncertainties already discussed.	Overestimate of risk	Overestimate of risk
Interpretation of HQs	An HQ less than or equal to a value of 1 indicates that adverse impacts to wildlife are considered unlikely (USEPA 2001c). However, there is no clear guidance for interpreting the HQs that exceed a value of 1, except that this point of departure indicates that adverse effects of some kind may have occurred or may occur in the future.	Effect on risk estimate unknown	Effect on risk estimate unknown
HQs for individual used to evaluate risks to populations	HQs are based on the types of impacts that could occur to individuals (i.e., those individuals exposed to maximum concentrations) and they completely fail to address ecological exposure and risk at spatial scale of populations (Tannenbaum 2003; Durda and Preziosi 1999).	Overestimate of risk to wildlife populations	Overestimate of risk to wildlife populations
HQs with unrealistic magnitudes	HQs are seen at magnitudes that suggest that every animal should die upon acute exposure (i.e., in the hundreds or thousands) (Tannenbaum et al. 2003). Often, physical conditions at a site demonstrate that this is not the case.	Overestimate of risk	Overestimate of risk
No evaluation of dermal or inhalation pathways	The dermal and inhalation exposure pathways are generally considered “insignificant” due to protective fur and feathers. Under certain conditions, these exposure pathways may occur, but adequate information is rarely available by which to evaluate them.	Not Applicable	Potentially an underestimate of risk

BERA	Baseline Ecological Risk Assessment.
COPC	Constituent of potential concern.
ERA	Ecological risk assessment.
ESV	Ecological screening value.
HQ	Hazard quotient.
PAH	Polynuclear aromatic hydrocarbon.
RTV	Reference toxicity value.
SLERA	Screening level ecological risk assessment.

Table 9-15
Baseline Level - Constituents of Potential Ecological Concern in Surface Soil
Screening Level Ecological Risk Assessment
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Frequency of Detection			Maximum Concentration (mg/kg)	Refined Exposure Point Concentration [a] (mg/kg)		Background Concentration [b] (mg/kg)	Alternative Ecological Screening Value (ASVs) [c] (mg/kg) Value	*Source*	Refined HQ [d] (unitless)	Baseline Level Constituent of Potential Ecological Concern? [e] (YES/no)	Rationale	Bioaccumulative ? [f] (YES/no)
Volatile Organic Compounds (VOCs)													
Acetone	1	1	100%	0.027	0.027	m	–	2.5	*R5*	0.01	no	HQ < 1	no
Semi-Volatile Organic Compounds (SVOCs)													
Acenaphthylene	2	9	22%	0.066	0.066	m	–	682	*R5*	0.0001	no	HQ < 1	**YES**
Benz[a]anthracene	4	9	44%	0.41	0.41	m	–	5.21	*R5*	0.08	no	HQ < 1	**YES**
Benzo[a]pyrene	5	9	56%	0.41	0.194		–	1.52	*R5*	0.1	no	HQ < 1	**YES**
Benzo[b]fluoranthene	5	9	56%	0.7	0.333		–	59.8	*R5*	0.006	no	HQ < 1	**YES**
Benzo[g,h,i]perylene	5	9	56%	0.24	0.164		–	119	*R5*	0.001	no	HQ < 1	**YES**
Benzo[k]fluoranthene	3	9	33%	0.32	0.32	m	–	148	*R5*	0.002	no	HQ < 1	**YES**
Bis(2-ethylhexyl)phthalate	2	9	22%	0.19	0.19	m	–	0.925	*R5*	0.2	no	HQ < 1	no
Chrysene	5	9	56%	0.5	0.234		–	4.73	*R5*	0.05	no	HQ < 1	**YES**
Dibenz[a,h]anthracene	3	9	33%	0.092	0.092	m	–	18.4	*R5*	0.005	no	HQ < 1	**YES**
Fluoranthene	5	9	56%	0.78	0.353		–	122	*R5*	0.003	no	HQ < 1	**YES**
Indeno[1,2,3-cd]pyrene	5	9	56%	0.24	0.149		–	109	*R5*	0.001	no	HQ < 1	**YES**
Inorganics													
Total Chromium	9	9	100%	5.1	4.371		7.7	0.4	*R5*	10	no	Max • BKGD	no
Lead	10	10	100%	5,300	5,300	m	53	0.0537	*R5*	100,000	**YES**	**HQ > 1**	**YES**
Elemental Mercury	9	9	100%	1.4	1.043		0.39	0.1	*R5*	10	**YES**	**HQ > 1**	**YES ***

Notes:

– Not available or applicable.

mg/kg Milligrams per kilogram.

[a] Exposure point concentration (EPCs) are the minimum of the upper confidence limit (UCL) on the mean and the maximum concentration. EPCs marked with "m" are the maximum concentration.

[b] Background concentrations were from the Revised Final Compliance Status Report for the Fire Training Station at HAAF (Law, 2002).

[c] Alternative ecological soil screening values were from the following source:
USEPA Region 5 Ecological Screening Levels (USEPA 2003a; R5).

[d] The refined hazard quotient (HQ) is the ratio of the EPC to the screening level. HQs are rounded to one significant figure.

[e] Constituents with a refined hazard quotient (HQ) greater than 1 (HQ > 1) or without a screening level (NSL) were considered constituents of potential ecological concern (COPECs) for baseline level assessment.

[f] The following source was consulted to identify bioaccumulation potential: USEPA (2000b).

* Mercury is not on USEPA's list of bioaccumulative constituents, however methyl mercury is so mercury was considered a bioaccumulative constituent in this assessment.

Table 9-17
Baseline Level - Constituents of Potential Ecological Concern in Groundwater
Screening Level Ecological Risk Assessment
HAA-15 (MCA Barracks Site)
Hunter Army Airfield - Savannah, Georgia

Constituent	Frequency of Detection			Maximum Concentration (mg/L)	Refined Exposure Point Concentration [a] (mg/L)		Alternative Ecological Screening Value (ASVs) [c] (mg/L)		Refined HQ [c] (unitless)	Baseline Level Constituent of Potential Ecological Concern? [d]		Bioaccumulative ? [e] (YES/no)
							Value	*Source*		(YES/no)	Rationale	
Volatile Organic Compounds (VOCs)												
Acetone	4	- 8	50%	0.019	0.019	m	1.7	R5	0.01	no	HQ < 1	no
cis-1,2-Dichloroethene	2	- 8	25%	0.001	0.001	m	0.59	R3/ORNL *	0.002	no	HQ < 1	no
Methyl Tert Butyl Ether (MTBE)	1	- 8	13%	0.0074	0.0074	m	11.07	TNRCC	0.0007	no	HQ < 1	no

Notes:

– Not available or applicable.

mg/L Milligrams per liter.

[a] Exposure point concentration (EPCs) are the minimum of the upper confidence limit (UCL) on the mean and the maximum concentration.

[b] EPCs marked with "m" are the maximum concentration.

[c] Alternative ecological surface water screening values were from the following sources in order of priority:

[c] USEPA Region 5 Ecological Screening Levels (USEPA 2003a; R5).
USEPA Region 3 Ecological Screening Benchmarks (USEPA 2006; R3).
Texas Natural Resources Conservation Commission Surface Water Stanbdards (TNRCC, 2000).
Oak Ridge National Laboratory Surface Water Benchmarks (Suter and Tsao, 1996).
* Screening value for 1,2-dichloroethene mixture.

[d] The refined hazard quotient (HQ) is the ratio of the EPC to the screening level. HQs are rounded to one significant figure.

[e] Constituents with a refined hazard quotient (HQ) greater than 1 (HQ > 1) or without a screening level (NSL) were considered constituents of potential ecological concern (COPECs) for baseline level assessment.

[f] The following source was consulted to identify bioaccumulation potential: USEPA (2000b).



PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
SOURCE: http://maps.google.com/maps, February 2009.



HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Site Location Map

ARCADIS

FIGURE
4-1

CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) TM:(S.BOSTIAN/J.FRIZZELL)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F4-1 H15_CSR1_REG.mxd - 9/8/2011 @ 6:23:19 PM

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PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Soil Boring
- Membrane Interface Probe
- Groundwater Vertical Profile
- Surface Water/Sediment Sample

0 200 400 600 800
SCALE IN FEET

HUNTER ARMY AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Site Layout With Soil and Groundwater Vertical Profile Grab Sample Locations

ARCADIS

FIGURE
4-2

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F4-3 H15_CSR1 MWs Dsize.mxd - 10/11/2011 @ 2:49:20 PM



Well Identification	Screened Interval (ft bgs)	Top of Casing Elevation (NAVD 88)
Shallow Zone Wells of the Upper Aquifer		
HGL-1B	15-25	21.50
HGL-2B	15-25	12.71
HGL-3B	15-25	14.01
HGL-4B	15-25	21.50
HGL-5B	14-24	28.69
HGL-6B	15-25	35.74
HGL-7B	15-25	33.64
HGL-8B	13.5-23.5	25.91
HGL-9B	14-24	33.97
HGL-10B	15-25	23.39
HGL-11B	15-25	36.37
XX-04	1.9-11.9	17.01
XX-05	1.8-11.8	18.21
XX-06	1.9-11.9	20.67
XX-07	1.8-11.8	20.06
XX-08	3.0-13.0	30.42
XX-09	2.0-12.0	24.63
XX-10	2.0-12.0	20.55
XX-11	2.0-12.0	24.84
XX-12	2.0-12.0	30.43
XX-13	1.8-11.8	22.49
XX-14	1.8-11.8	27.62
XX-15	1.9-11.9	26.49
XX-22	26.0-31.0	25.17
XX-25	29.0-34.0	33.51
XX-26 (1-S)	23.7-28.7	26.16
H15-MW-01B	15-25	37.19
H15-MW-02B	15-25	37.73
H15-MW-03B	15-25	36.20
H15-MW-05B	15-25	18.72
H15-MW-07B	15-25	37.73
H15-MW-14B	15-25	37.37
H15-MW-15B	15-25	36.19
H15-MW-16B	15-25	33.89
H15-MW-17B	15-25	35.66
H15-MW-18B	15-25	20.27
H15-MW-19B	15-25	24.33

Well Identification	Screened Interval (ft bgs)	Top of Casing Elevation (NAVD 88)
Deep Zone Wells of the Upper Aquifer		
HGL-1C	30-40	21.48
HGL-2C	34-44	12.75
HGL-3C	30-40	13.93
HGL-4C	30-40	21.47
HGL-5C	29-39	28.71
HGL-6C	30-40	35.55
HGL-7C	34-44	33.64
HGL-8C	34-44	25.93
HGL-9C	29-39	33.89
HGL-10C	30-40	23.39
HGL-11C	30-40	36.39
XX-16	40-45	N/A
XX-17	40-45	21.28
XX-18	40-45	29.57
XX-19	37-42	35.80
XX-20	37-42	33.26
XX-21	42.9-47.9	37.31
XX-23	41.4-46.4	34.59
XX-24	36.8-41.8	35.77
XX-26 (2-M)	29.9-34.8	26.21
XX-26 (3-D)	37.4-42.3	26.15
H15-MW-01C	35-45	37.22
H15-MW-02C	35-45	37.34
H15-MW-02D	68-73	37.44
H15-MW-02E	120-125	37.78
H15-MW-03C	35-45	36.20
H15-MW-04C	35-45	33.09
H15-MW-05C	35-45	18.62
H15-MW-06C	35-45	22.29
H15-MW-07C	35-45	37.56
H15-MW-08C	35-45	20.64
H15-MW-09C	35-45	28.32
H15-MW-10C	35-45	36.07
H15-MW-11C	35-45	22.93
H15-MW-12C	34.5-44.5	24.33
H15-MW-13C	35-45	28.24
H15-MW-14C	35-45	37.49
H15-MW-15C	35-45	36.13
H15-MW-20E	120-125	33.65

ft bgs - feet below ground surface
ft BTOC - feet below top of casing
N/A - XX-16 well destroyed before survey complete
NAVD - North American Vertical Datum

NOTE: Location of some deep wells have been offset for clarity.

PROJECTION: NAD_1983_StatePlane_Georgia East_FIPS_1001_Feet
REFERENCES:
1) SAGIS (2008).
2) EMC Survey (September 7, 2011).

LEGEND

- Monitor Well (shallow)
- Monitor Well (deep)
- Monitor Well (shallow) Destroyed
- Monitor Well (deep) Destroyed
- Monitor Well (shallow) Installed 2011
- Monitor Well (deep) Installed 2011
- HAA Directorate of Public Works (DPW) Designated Public Water Supply Well
- T-811 Building Number

HUNTER ARMY AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Site Layout with Monitor Well Locations

ARCADIS

FIGURE
4-3

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL)
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PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Monitor Well (shallow)
- Monitor Well (deep)
- Topographic Contour (ft amsl)

NOTE: Location of some deep wells have been offset for clarity.

0 200 400 600 800

SCALE IN FEET

HUNTER ARMY AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Topographic Map

ARCADIS

FIGURE
4-4



LEGEND

- Soil Boring
- Membrane Interface Probe/Soil Boring
- Membrane Interface Probe

REFERENCE: SAGIS (2008).

0 120 240 360 480

SCALE IN FEET

HUNTER ARMY AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

ARCADIS Soil Boring and Membrane Interface Probe Locations (December 2009)

ARCADIS

FIGURE

5-1

CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) TM:(S.BOSTIANIC.FORMAN)
PROJECT: GP08HAFS.H15B.DP.CSR PATH: G:\GIS\HAAF\MapDocs\H15\2010 CSR\ F5-1 H15_CSR_MIP Daze.mxd SAVED: 30JUN2010

POND 29

LIGHTNING DRIVE

T-813

H15-SB47
H15-MIP46
H15-MIP45
B
H15-MIP10
H15-MIP10A
H15-MIP11
H15-SB12
H15-SB12A
H15-MIP13
H15-MIP14
H15-MIP15
B'
H15-MIP16
H15-MIP9
A
H15-MIP8
H15-MIP7
H15-MIP6
H15-MIP5
H15-MIP4
H15-MIP3B
H15-SB3A
H15-SB3
H15-SB3C
H15-MIP2
H15-SB21
H15-SEP1
H15-SB1
A'
H15-SB20
H15-MIP23
H15-MIP22
H15-MIP24
H15-SB25

LEGEND

- Soil Boring
- Membrane Interface Probe/Soil Boring
- Membrane Interface Probe
- Cross-Section Location

REFERENCE: SAGIS (2008).

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

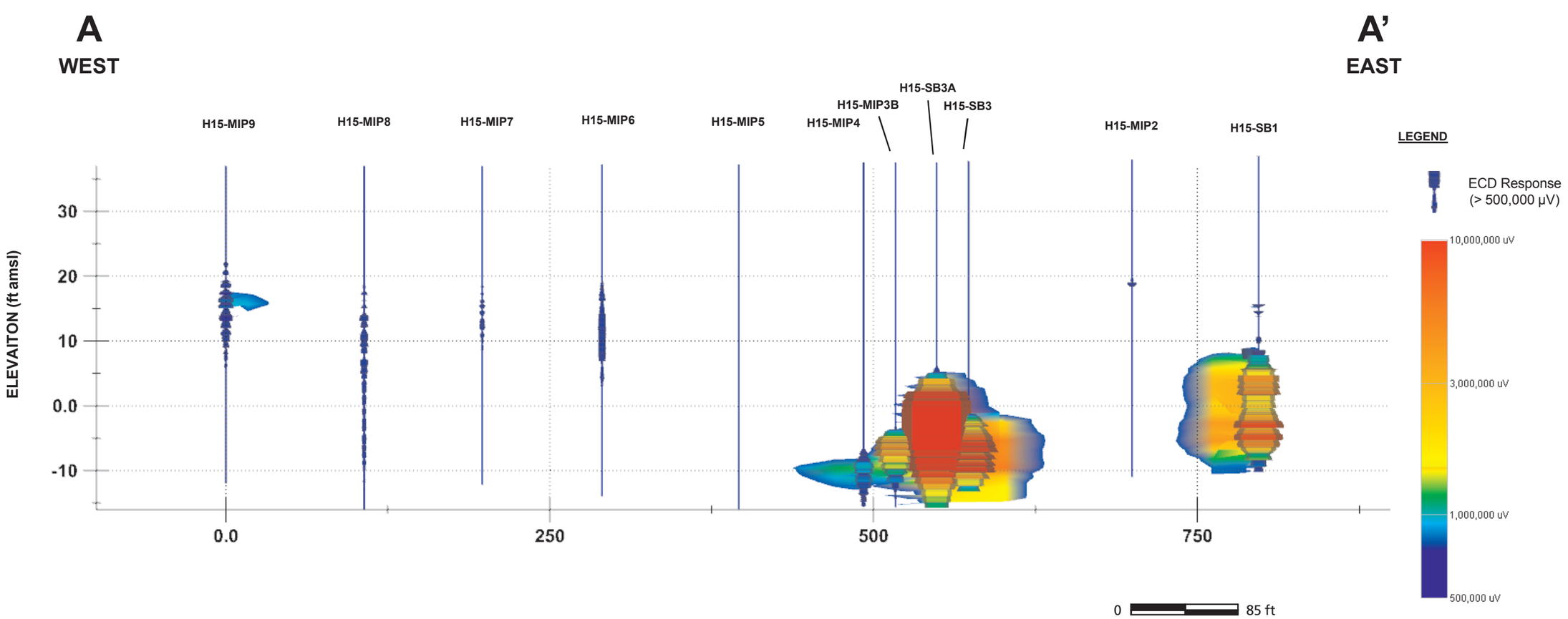
Membrane Interface Probe Cross-Sections

ARCADIS

FIGURE
5-1a

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PROJECT: GP08HAFS.H15B.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2010 CSR F5-1b H15_CSR_MIP XSEC-AA.ppt SAVED: 30JUN2010



HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

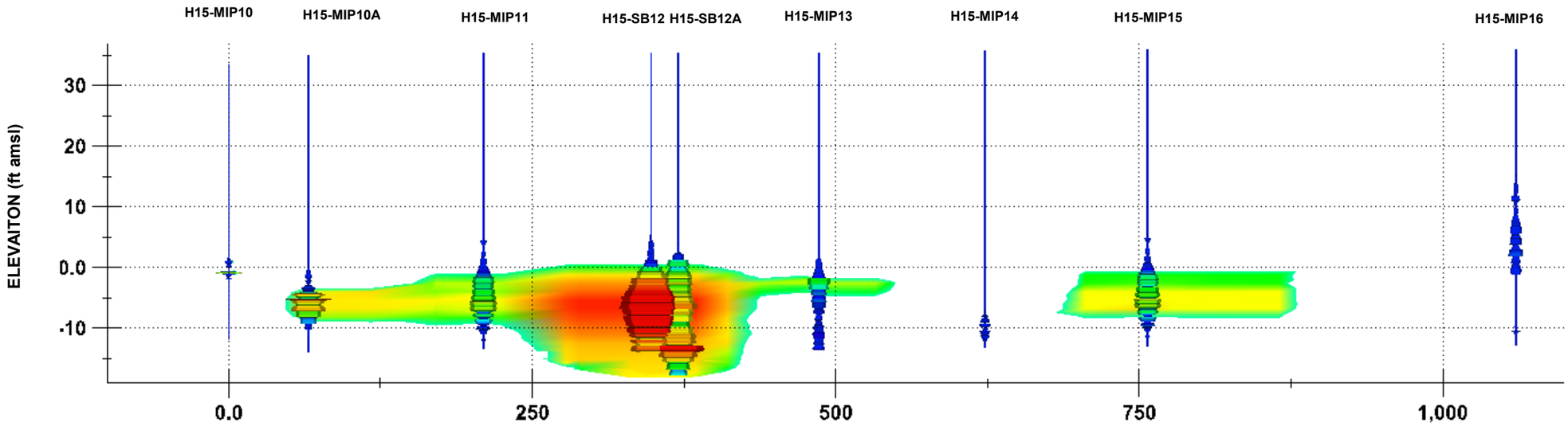
Membrane Interface Probe
Cross-Section A-A'

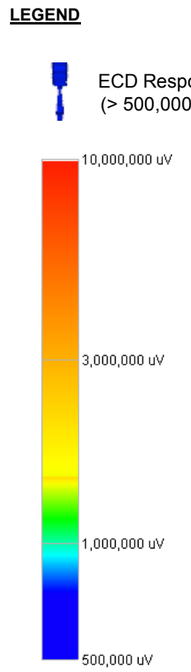
ARCADIS

FIGURE
5-1b

B
WEST

B’
EAST





0 100 ft

VERTICAL EXAGGERATION = 5X

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

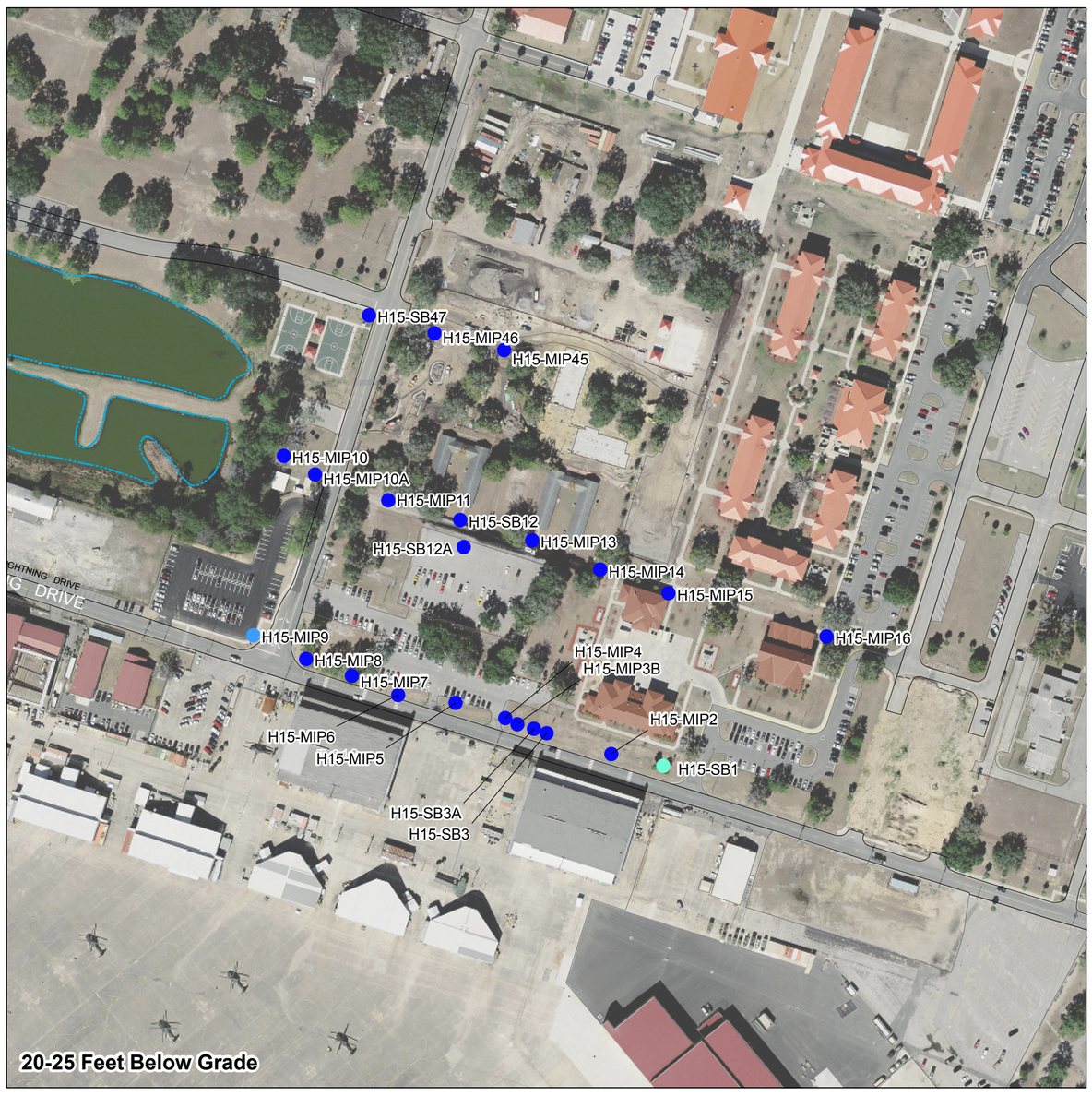
Membrane Interface Probe
Cross-Section B-B’

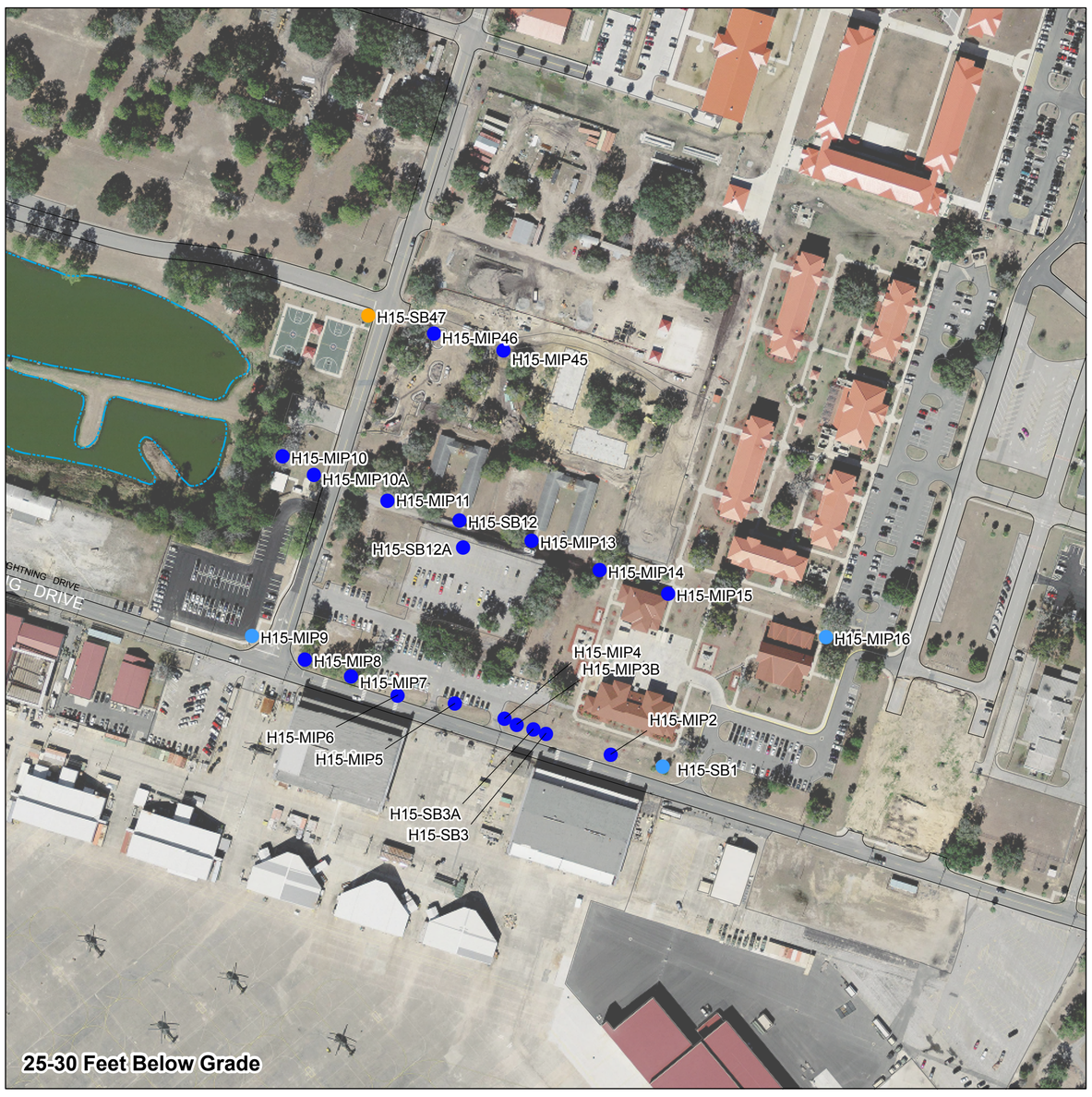
ARCADIS

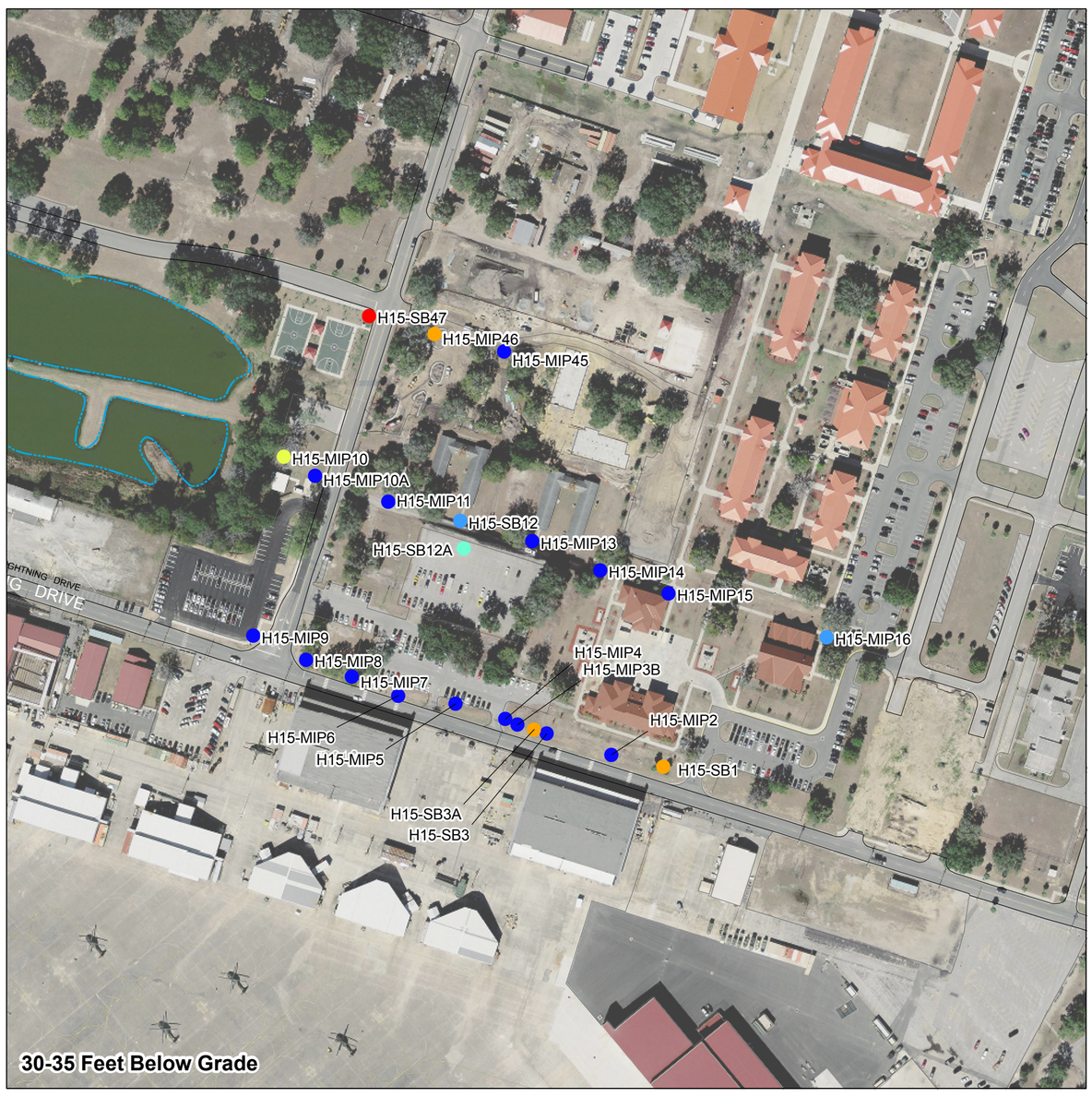
FIGURE
5-1c

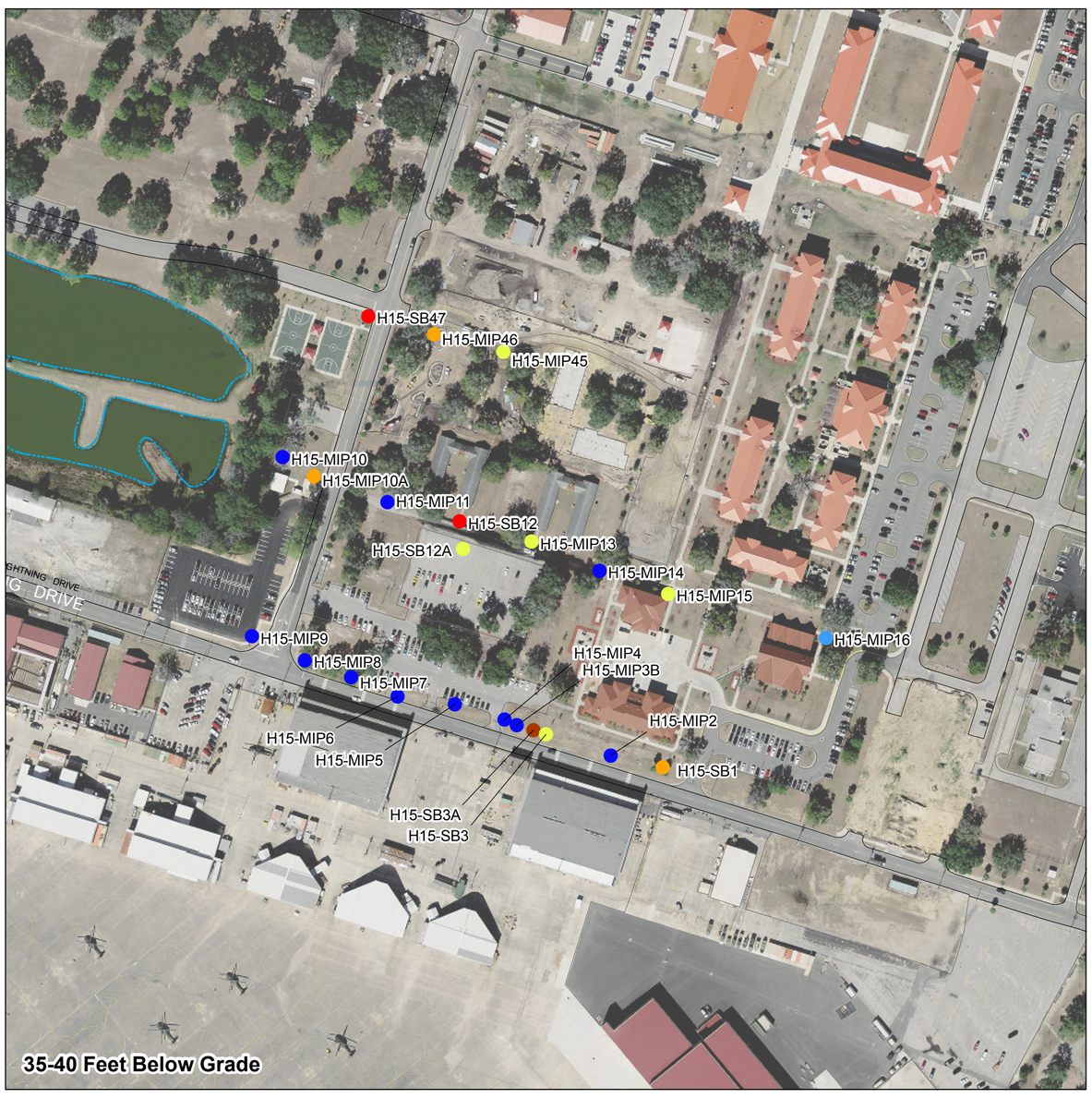
CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM: (P.CURRY)
PROJECT: GP08HAFS.H15B.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2010 CSR\ F5-1c H15_CSR_MIP XSEC-BB.ppt SAVED: 23JUN2010

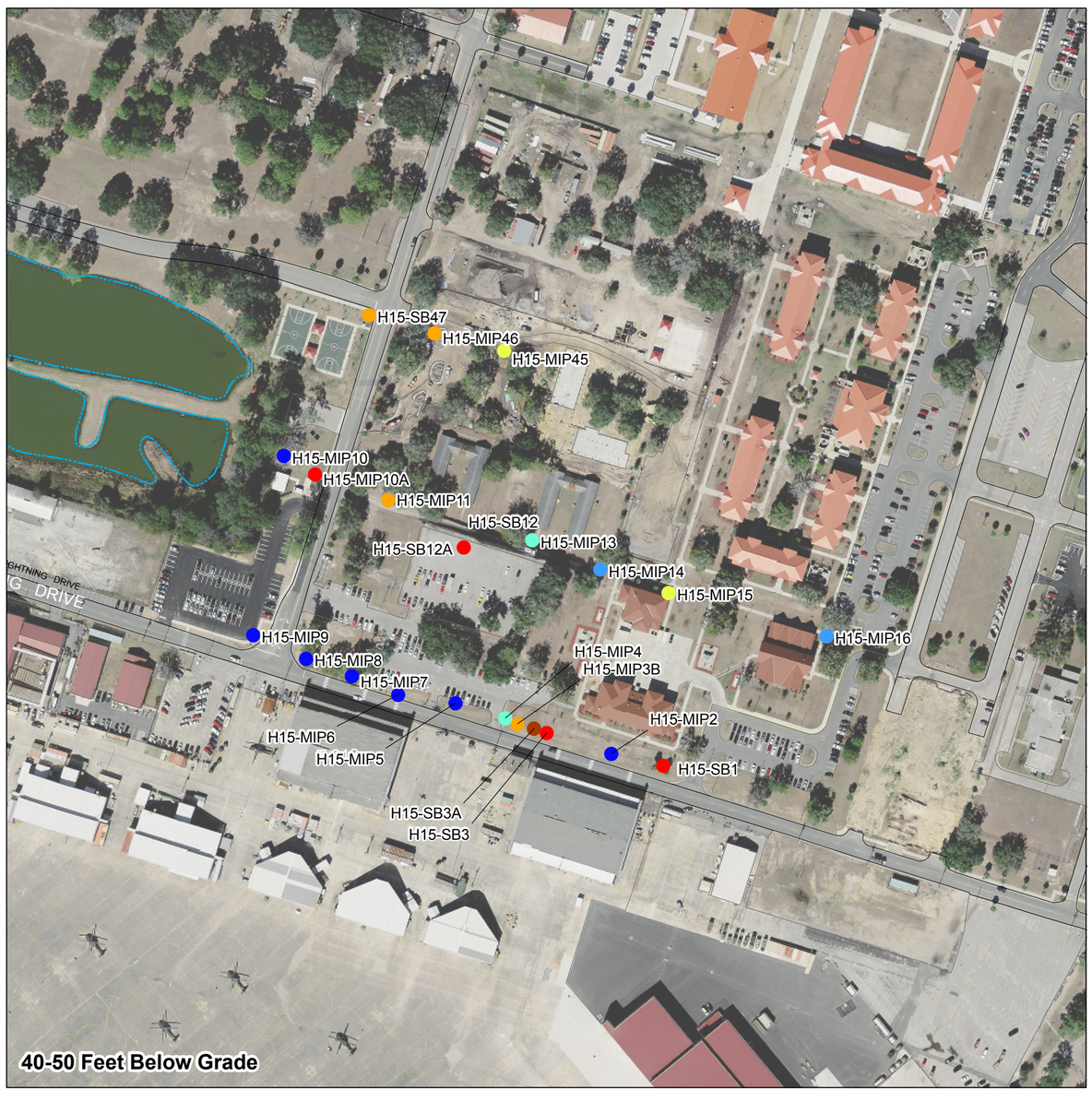
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PROJECT: GP08HAFS.H15B.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2010 CSR\ F5-1d H15_CSR_MIP ECD Dsize.mxd SAVED: 30JUN2010











REFERENCE: SAGIS (2008).

LEGEND

MAX ECD Response (uV)

- 150,000 - 750,000
- 750,000 - 1,100,000
- 1,100,000 - 1,500,000
- 1,500,000 - 2,500,000
- 2,500,000 - 5,000,000
- 5,000,000 - 10,000,000
- >10,000,000

0 200 400 600 800

SCALE IN FEET

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Membrane Interface Probe ECD Response

ARCADIS

FIGURE
5-1d



LEGEND

- Storm Water Drainage System
- Surface Water Flow Direction
- Catch Basin

REFERENCE: SAGIS (2008).

0 200 400 600 800

SCALE IN FEET

HUNTER ARMY AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Storm Water System

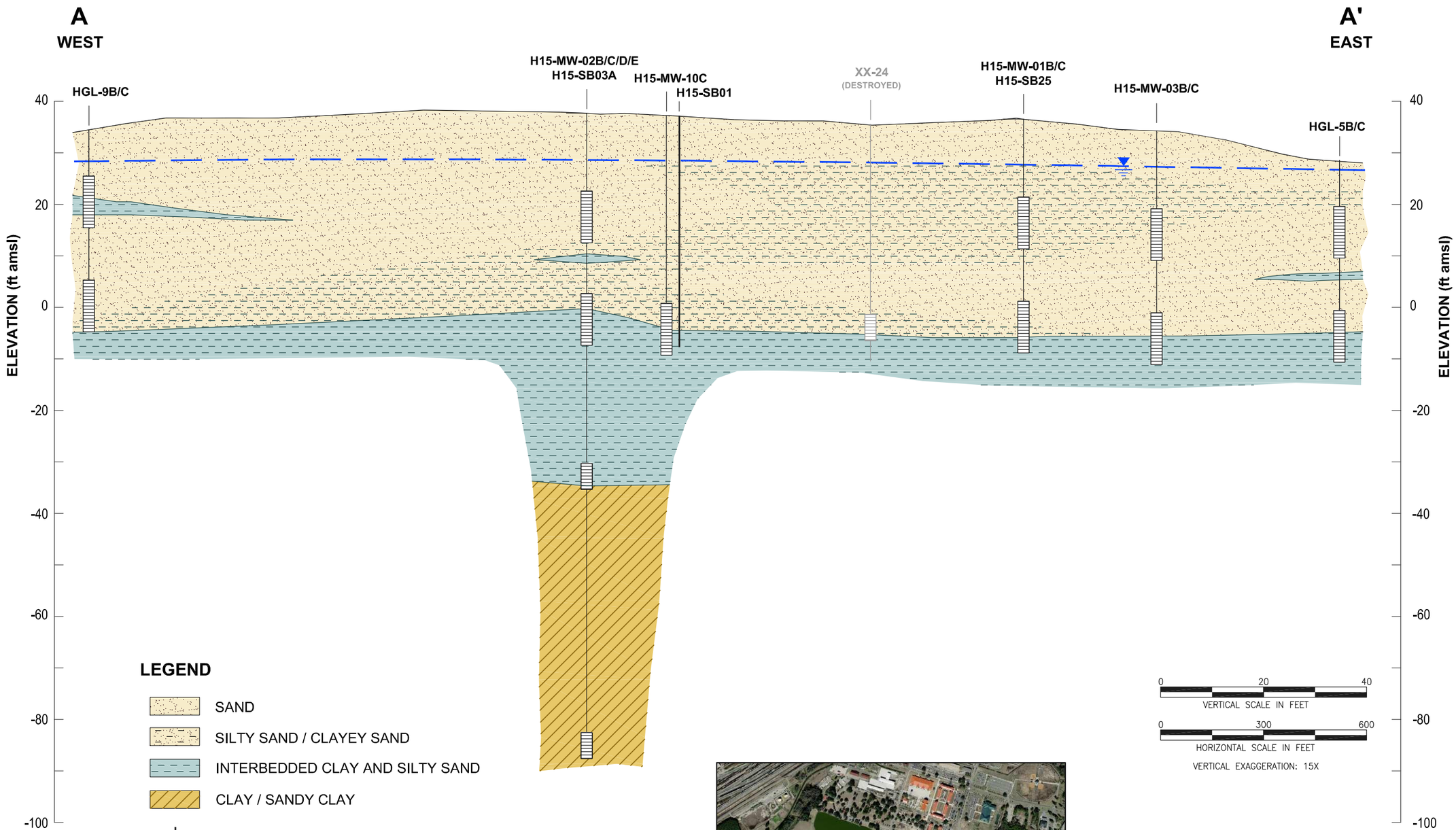
ARCADIS

FIGURE

5-2

CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(B.WHITE)
PROJECT: GP08HAFS.H15B.DPCSR PATH: G:\GIS\HAAF\Mxd\boosh115\2010 CSR\ F5-2 H15_CSR_STORMWATER Dsize.mxd SAVED: 22JUN2010

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB:(C.MCKEOUGH) LD:(B.ALTOM) PIC:(T.TALELE) PM:(C. BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: AA SAVED: 9/15/2011 10:14 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 9/15/2011 10:16 PM BY: ALTOM, BRENDA
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE



0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

HUNTER army AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Geologic Cross-Section A-A'

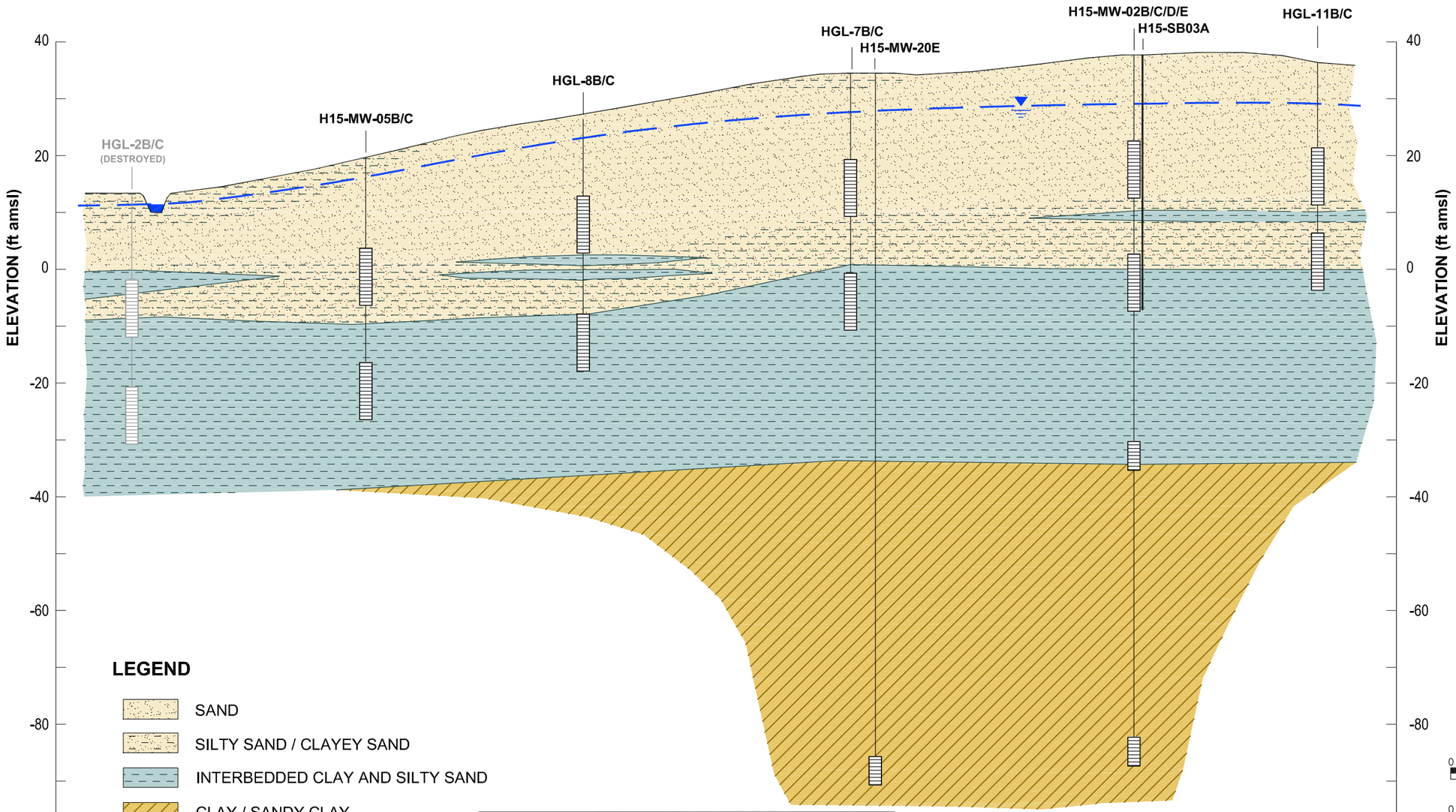
ARCADIS

FIGURE
6-1a

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: BB SAVED: 9/15/2011 10:29 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 9/15/2011 10:29 PM BY: ALTOM, BRENDA
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg

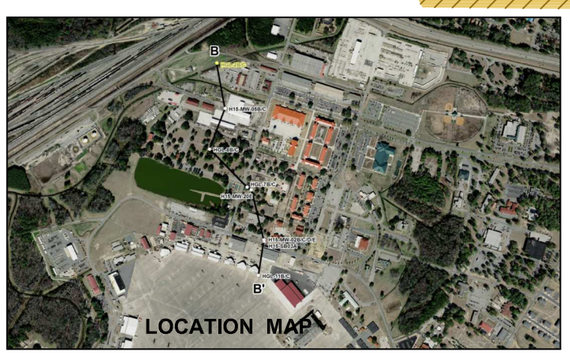
B
NORTH

B'
SOUTH



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE



0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

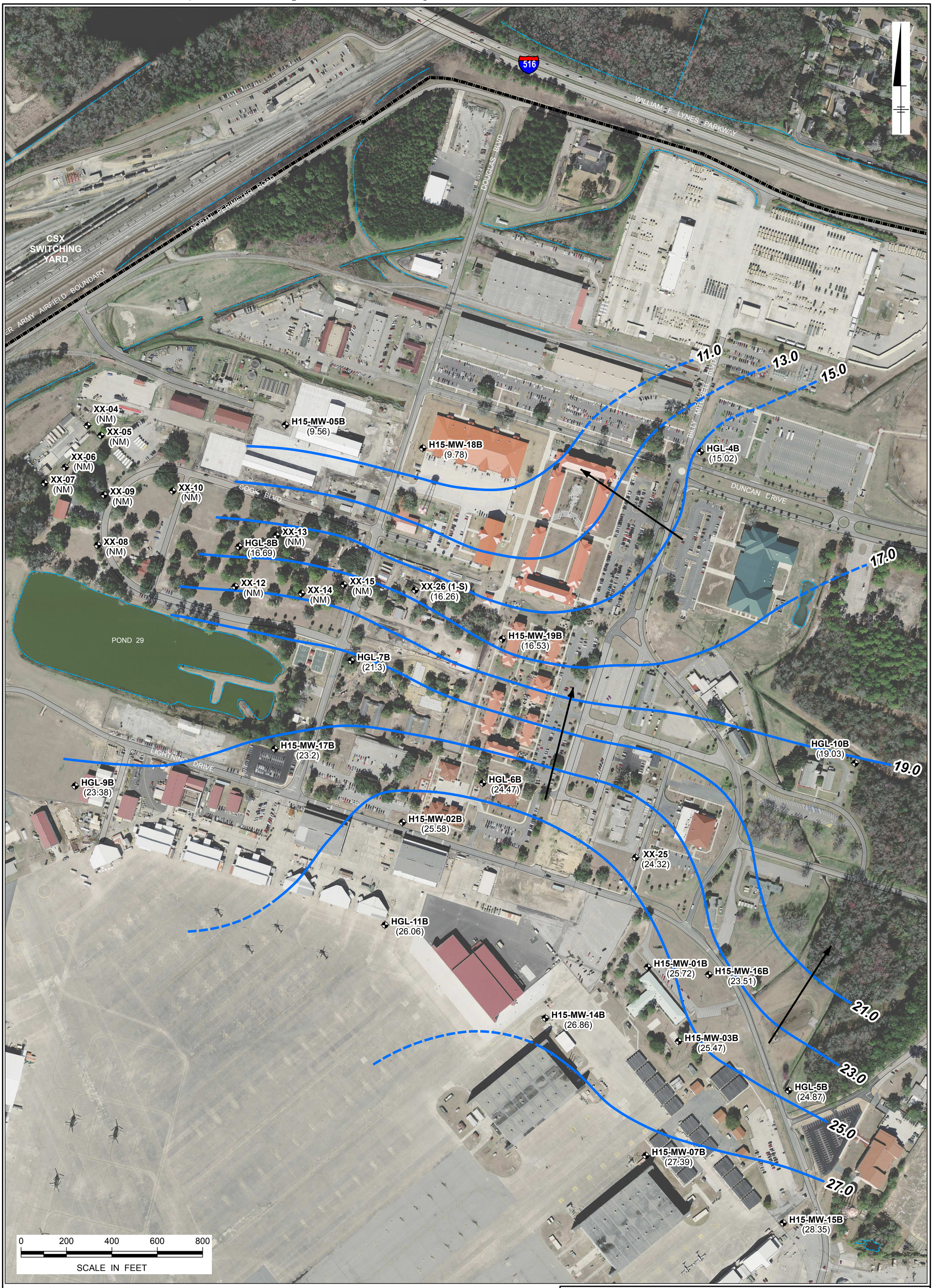
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Geologic Cross-Section B-B'

ARCADIS

FIGURE
6-1b

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL/A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-2a H15_CSR1 201109 POT S Dsize.mxd - 9/28/2011 @ 9:49:37 AM



PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Monitor Well (shallow)
- Groundwater Contour (ft amsl)
- (inferred where dashed)
- Direction of Groundwater Flow
- (NM) Not Measured
- (28.35) Water-Level Elevation (ft amsl) Measured September 8, 2011

NOTE: The shallow zone of the upper aquifer consists of wells with screened intervals between ground surface and 30 ft bgs.

HUNTER ARMY AIRFIELD, GEORGIA

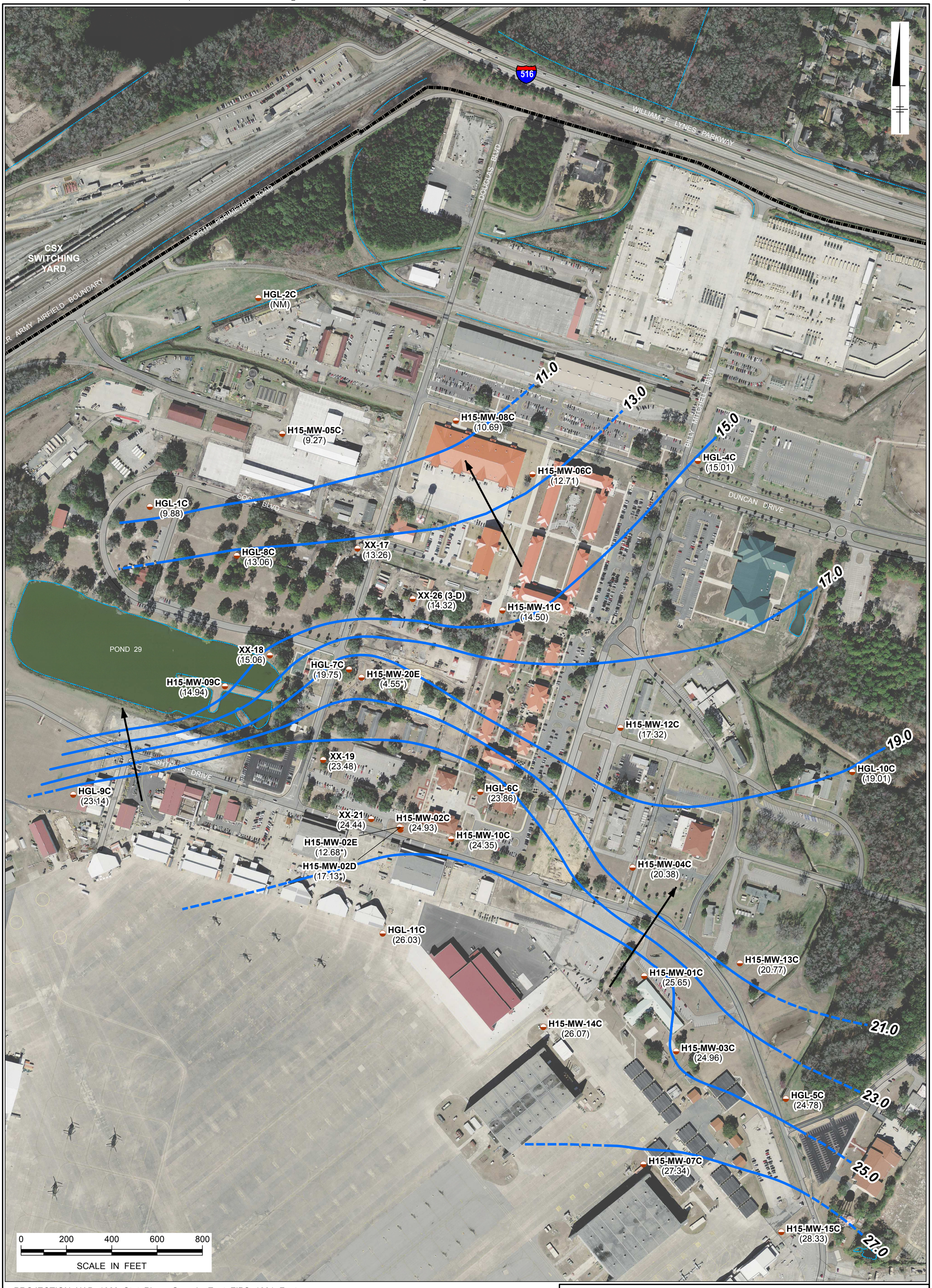
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Potentiometric Surface Map for the Shallow Zone of the Upper Aquifer (September 2011)

ARCADIS

FIGURE
6-2a

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL/A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-2b H15_CSR1 201109 POT D Dsize.mxd - 9/28/2011 @ 9:52:24 AM



PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Monitor Well (deep)
- Groundwater Contour (ft amsl)
- (inferred where dashed)
- Direction of Groundwater Flow
- (NM) Not Measured
- (26.03) Water-Level Elevation (ft amsl) Measured September 8, 2011

NOTE: The deep zone of the upper aquifer consists of wells with screened intervals between 30 and 50 ft bgs.

(17.13*) Water-Level Elevation Not Used to Construct Contours (Well screened in different interval)

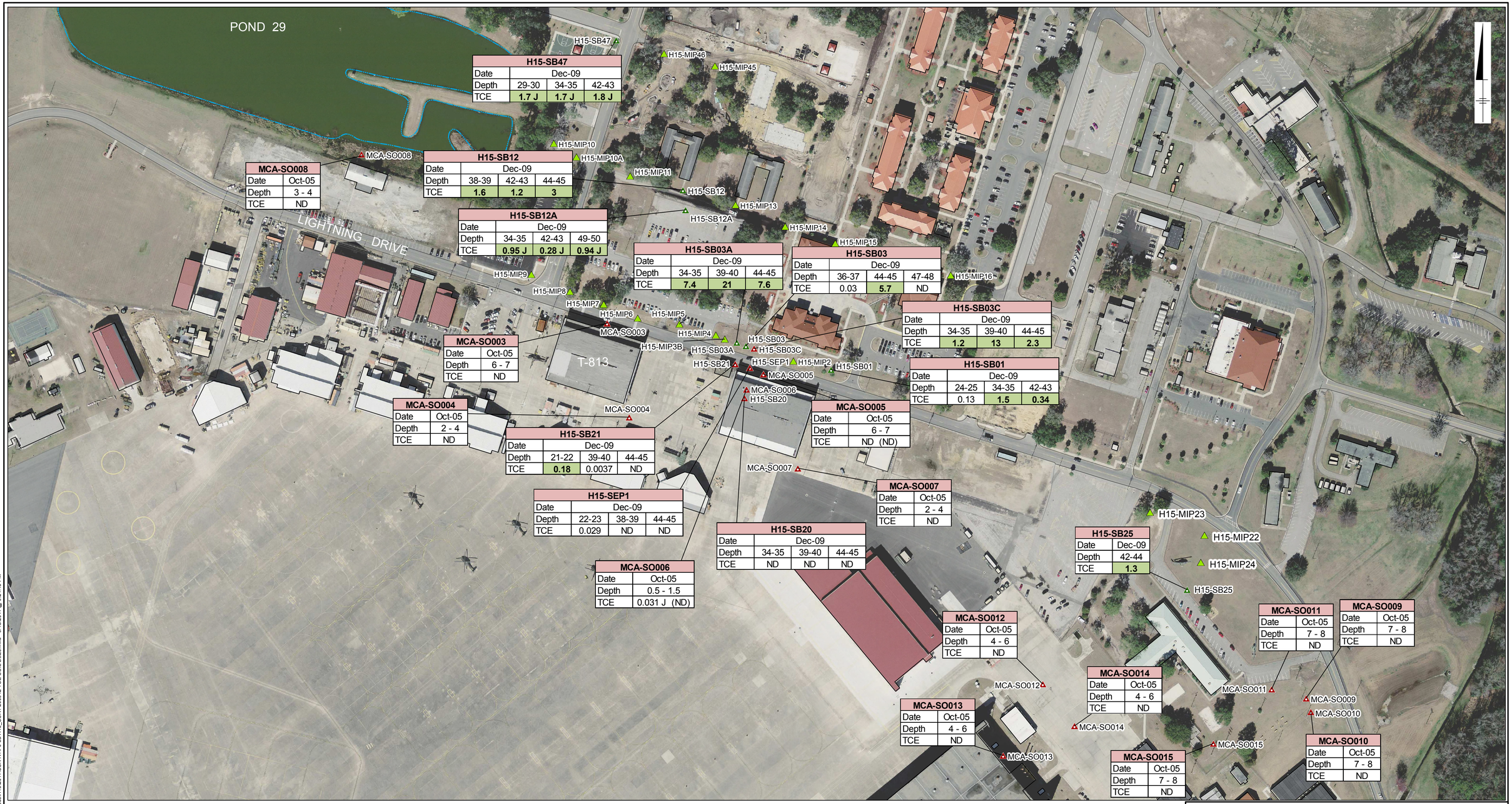
HUNTER ARMY AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Potentiometric Surface Map for the Deep Zone of the Upper Aquifer (September 2011)

ARCADIS

FIGURE
6-2b



H15-SB47			
Date	Dec-09		
Depth	29-30	34-35	42-43
TCE	**1.7 J**	**1.7 J**	**1.8 J**

MCA-SO008	
Date	Oct-05
Depth	3 - 4
TCE	ND

H15-SB12			
Date	Dec-09		
Depth	38-39	42-43	44-45
TCE	**1.6**	**1.2**	**3**

H15-SB12A			
Date	Dec-09		
Depth	34-35	42-43	49-50
TCE	**0.95 J**	**0.28 J**	**0.94 J**

H15-SB03A			
Date	Dec-09		
Depth	34-35	39-40	44-45
TCE	**7.4**	**21**	**7.6**

H15-SB03			
Date	Dec-09		
Depth	36-37	44-45	47-48
TCE	0.03	**5.7**	ND

H15-SB03C			
Date	Dec-09		
Depth	34-35	39-40	44-45
TCE	**1.2**	**13**	**2.3**

MCA-SO003	
Date	Oct-05
Depth	6 - 7
TCE	ND

H15-SB01			
Date	Dec-09		
Depth	24-25	34-35	42-43
TCE	0.13	**1.5**	**0.34**

MCA-SO004	
Date	Oct-05
Depth	2 - 4
TCE	ND

H15-SB21			
Date	Dec-09		
Depth	21-22	39-40	44-45
TCE	**0.18**	0.0037	ND

MCA-SO005	
Date	Oct-05
Depth	6 - 7
TCE	ND (ND)

H15-SEP1			
Date	Dec-09		
Depth	22-23	38-39	44-45
TCE	0.029	ND	ND

MCA-SO007	
Date	Oct-05
Depth	2 - 4
TCE	ND

H15-SB20			
Date	Dec-09		
Depth	34-35	39-40	44-45
TCE	ND	ND	ND

H15-SB25	
Date	Dec-09
Depth	42-44
TCE	**1.3**

MCA-SO006	
Date	Oct-05
Depth	0.5 - 1.5
TCE	0.031 J (ND)

MCA-SO012	
Date	Oct-05
Depth	4 - 6
TCE	ND

MCA-SO011	
Date	Oct-05
Depth	7 - 8
TCE	ND

MCA-SO009	
Date	Oct-05
Depth	7 - 8
TCE	ND

MCA-SO014	
Date	Oct-05
Depth	4 - 6
TCE	ND

MCA-SO013	
Date	Oct-05
Depth	4 - 6
TCE	ND

MCA-SO015	
Date	Oct-05
Depth	7 - 8
TCE	ND

MCA-SO010	
Date	Oct-05
Depth	7 - 8
TCE	ND

PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Soil Boring
- Membrane Interface Probe/Soil Boring
- Membrane Interface Probe
- NA — Not Analyzed
- (ND) — Duplicate Data
- 24-25 — Depth (feet below ground surface)

NOTES:
1) All soil concentrations reported in milligrams per kilogram (mg/kg).
2) **BOLD** concentration exceeds the HSRA Soil Notification Standard (Rule 391-3-19-.04(3)(b)).
3) Concentrations shown are those detected above the practical quantitation limit (PQL).
4) J values are estimated.
5) ND – Not detected above PQL.

0 120 240 360 480
SCALE IN FEET

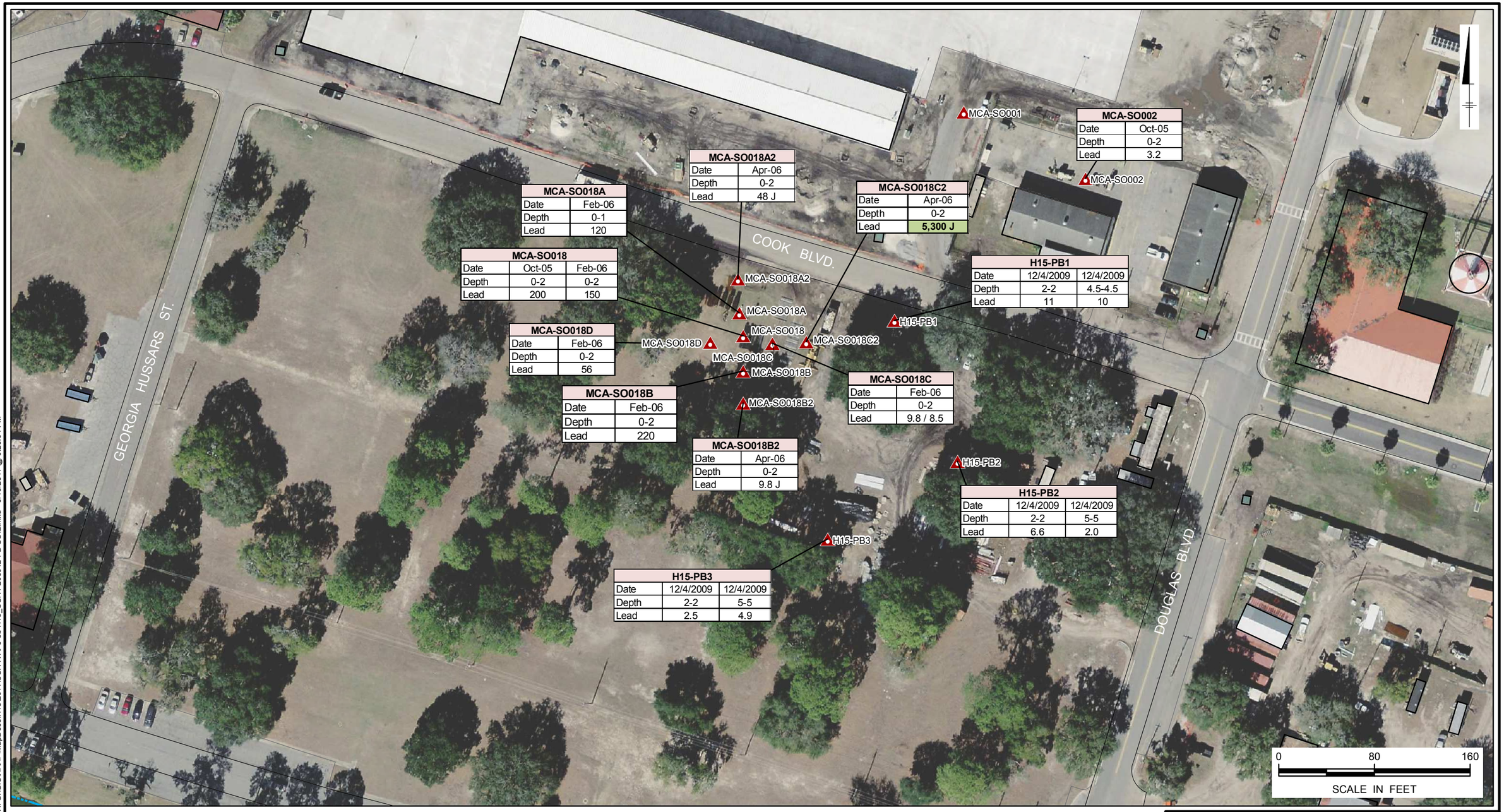
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Source Investigation –
TCE Concentrations in Soil (2005 and 2009)

ARCADIS

FIGURE
6-3a

CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELLI/A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-3a H15_CSR1 2009\2 TCE SOIL Daze.mxd - 9/13/2011 @ 9:24:15 PM



PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

Soil Boring

MCA-SO018B	
Date	Feb-06
Depth	0-2
Lead	220

Soil Boring ID
Sample Date
Sample Interval (ft bgs)
Lead Concentration

NOTES:
1) All soil concentrations reported in milligrams per kilogram (mg/kg).
2) **BOLD** concentration exceeds the HSRA Soil Notification Standard (Rule 391-3-19-.04(3)(b)).
3) Concentrations shown are those detected above the practical quantitation limit (PQL).
4) J values are estimated.

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

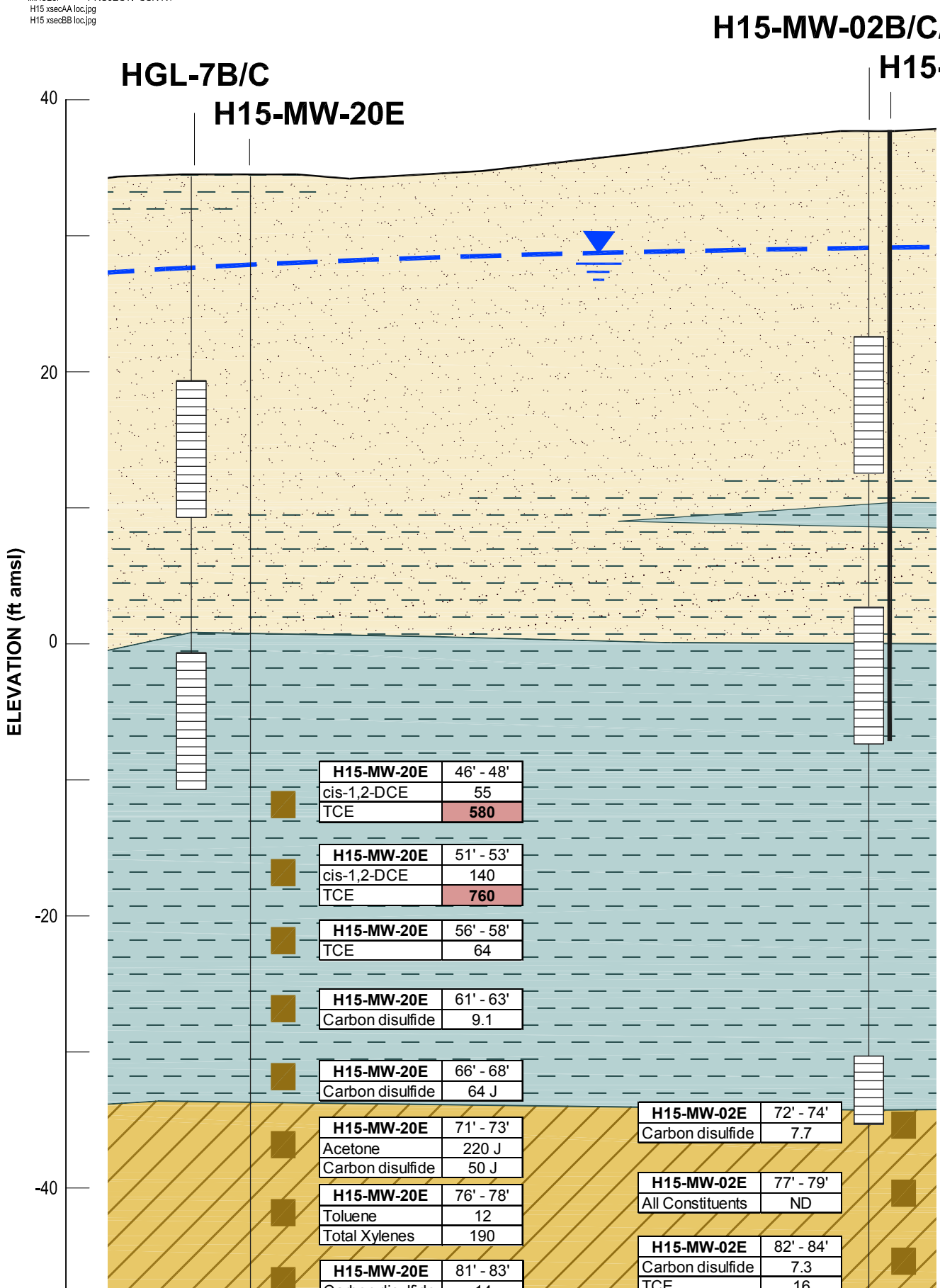
Lead Concentrations in Soil

ARCADIS

FIGURE
6-3b

CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-3b H15_CSR1 200912 PB SOIL.mxd - 9/13/2011 @ 9:20:04 PM

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB:(B.ALTOM) LD:(B.ALTOM) PIC:(T.TALELE) PM:(C. BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: BB_SOIL SAVED: 9/28/2011 10:03 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 9/28/2011 10:03 AM BY: ALTOM, BRENDA
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- SAMPLE LOCATION
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- 580 EXCEEDS GAEPD HSRA SOIL NOTIFICATION STANDARDS

NOTES:
1) All concentrations reported in micrograms per kilogram (µg/kg).
2) ND – Not Detected Above PQL
3) J values are estimated.

0 20 40
VERTICAL SCALE IN FEET

0 150 300
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Vertical Delineation Soil Sample Results (August 2011)

ARCADIS

FIGURE
6-3c

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL/A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-4 H15_CSR1 DPT HIST.mxd - 10/5/2011 @ 6:31:39 AM



MCA-GW051	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW076	15'	30'	45'
Benzene	ND	**34**	0.7 J
Ethylbenzene	ND	21	ND
m,p-Xylene	ND	2.9	ND
o-Xylene	ND	15	ND
Toluene	ND	2.5	ND

MCA-GW077	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW045	15'	30'	45'
cis-1,2-Dichloroethene	17	ND	ND
Trichloroethene	2.5	ND	ND
trans-1,2-Dichloroethene	0.88 J	ND	ND

MCA-GW046	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW033	15'	26'	45'
Carbon disulfide	3.6 J	ND	ND
cis-1,2-Dichloroethene	1 J	11	ND
Methylene chloride	ND	ND	4.8
Tetrachloroethene	ND	2.8	ND
Trichloroethene	**7.0**	**170**	3.7

MCA-GW048	15'	28'	45'
2-Butanone (MEK)	ND	ND	15
Acetone	ND	ND	110
cis-1,2-Dichloroethene	ND	ND	11

MCA-GW043	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW042B	15'	28'	45'
cis-1,2-Dichloroethene	2.6	ND	ND
Trichloroethene	**13**	ND	ND

MCA-GW034	15'	27'	45'
Acetone	ND	7.7	ND
Trichloroethene	0.95 J	ND	ND

MCA-GW074	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW052	15'	30'	45'
cis-1,2-Dichloroethene	4.9	ND	ND
Trichloroethene	**59**	ND	ND

MCA-GW001	15'	30'	45'
cis-1,2-Dichloroethene	ND	6 (8.5)	ND
Trichloroethene	2.7	**14 (19)**	ND

MCA-GW035	15'	27'	45'
Trichloroethene	1.1	ND	ND

MCA-GW003	15'	30'
All Constituents	ND	ND

MCA-GW002	15'	30'	45'
1,1-Dichloroethene	1.6	ND	ND
cis-1,2-Dichloroethene	25	ND	ND
m,p-Xylene	2	2.5	1.2 J
o-Xylene	ND	0.87 J	ND
Tetrachloroethene	**7.6**	ND	ND
Toluene	4.4	5.6	1.9
trans-1,2-Dichloroethene	0.91 J	ND	ND
Trichloroethene	**370**	1.7	ND

MCA-GW032	15'	30'	45'
cis-1,2-Dichloroethene	ND	4.1	1.3
Tetrachloroethene	ND	2.5	ND
Trichloroethene	ND	**35**	2.6

MCA-GW031	15'	30'	45'
Acetone	ND	13 J	ND
cis-1,2-Dichloroethene	0.88 J	1.2	ND
Trichloroethene	**6.8**	3	ND

MCA-GW061	15'	26'	45'
Acetone	ND	44	25
Benzene	ND	0.57 J	ND
2-Butanone (MEK)	ND	11	6.4 J
Trichloroethene	4.6	ND	ND
Tetrachloroethene	1.8	ND	ND

MCA-GW023	16'	30'	45'
cis-1,2-Dichloroethene	ND	2.2	1.3
Trichloroethene	1.3	**10**	2.3

MCA-GW004	16'	30'	42'
All Constituents	ND	ND	ND

MCA-GW040	15'	30'	45'
cis-1,2-Dichloroethene	11	1.8	7.5
Dichlorodifluoromethane	1.4	ND	ND
m,p-Xylene	1.6 J	ND	ND
Tetrachloroethene	1	ND	ND
Trichloroethene	**110**	2.7	**26**

MCA-GW036	15'	30'	45'
2-Butanone (MEK)	18	ND	27
Acetone	5.5	ND	15
Carbon disulfide	8.5	ND	ND

MCA-GW047	15'	30'	40'
Acetone	ND	ND	96 J
cis-1,2-Dichloroethene	2.1	ND	ND
Tetrachloroethene	1.1	ND	ND
Trichloroethene	ND	**59**	ND

MCA-GW021	12'	30'	45'
Trichloroethene	ND	1.2	ND

MCA-GW042	62'
Acetone	30
cis-1,2-Dichloroethene	3.9
Trichloroethene	**6.7**

MCA-GW005	8'	30'
Acetone	7.1 J	6 J (ND)
Carbon disulfide	4.6 J	ND (ND)

MCA-GW054	78'
Methylene chloride	0.44 J

MCA-GW022	55'
2-Butanone (MEK)	7.7
Acetone	54
Benzene	1.8
Carbon disulfide	1.3 J
cis-1,2-Dichloroethene	11
Trichloroethene	**26**

MCA-GW020	15'	30'	45'
Acetone	6.4	ND	ND
cis-1,2-Dichloroethene	ND	3.2	9.8
Toluene	2.9	ND	ND
trans-1,2-Dichloroethene	ND	ND	1.1
Trichloroethene	ND	**12**	**9.1**

MCA-GW014	45'
Methylene chloride	3.2 (ND)

MCA-GW014

MCA-GW006	15'	30'	45'
cis-1,2-Dichloroethene	1.6	23	ND
Ethylbenzene	ND	1.2	ND
Trichloroethene	**6.1**	**8.4**	ND

MCA-GW067 located 160' due east off map.

MCA-GW070	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW007	15'	30'	39'
Acetone	ND	ND	12
Carbon disulfide	ND	ND	1 J
Trichloroethene	ND	3.3	1

MCA-GW009	15'	30'	45'
1,1-Dichloroethene	ND	1.4	ND
Chloroform	5.5	ND	ND
cis-1,2-Dichloroethene	**74**	**110**	13
Tetrachloroethene	ND	**5.8**	ND
trans-1,2-Dichloroethene	5.7	75	ND
Trichloroethene	**950**	**490**	**13**

MCA-GW067	15'	30'	41'
2-Butanone (MEK)	ND	4.1 J	11
Acetone	ND	18 J	13 J

MCA-GW019	12'	30'	45'
Acetone	19	ND	ND
cis-1,2-Dichloroethene	ND	**15**	ND
Trichloroethene	ND	**11**	ND

MCA-GW038	16'	30'	45'
Acetone	13	ND	9.5

MCA-GW008	16'	30'	45'
Chloroform	2.8	ND	ND

MCA-GW062	15'	30'	45'
Trichloroethene	ND	ND	2.3

MCA-GW010	13'
Chloroform	0.96 J
cis-1,2-Dichloroethene	61
Trichloroethene	**290**

MCA-GW039	15'	30'	38'
Acetone	ND	ND	13
Carbon disulfide	ND	ND	1.2 J

MCA-GW015	16'	30'	37'
Acetone	ND	7.6	17
cis-1,2-Dichloroethene	ND	1.2	34
Trichloroethene	ND	ND	0.84 J

MCA-GW011	16'	30'	45'
2-Butanone (MEK)	ND	ND	10
cis-1,2-Dichloroethene	ND	1.1	ND
n-Propylbenzene	1.1	ND	ND
Tetrachloroethene	1.4	ND	ND
Toluene	ND	ND	1.5
Trichloroethene	ND	1.4	ND

MCA-GW013	16'	30'	45'
All Constituents	ND	ND	ND

MCA-GW068	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW018	16'
Acetone	5.7

MCA-GW037	15'	30'	37'
All Constituents	ND	ND	ND

MCA-GW025	16'	30'	45'
1,1-Dichloroethene	ND	0.80 J	ND
cis-1,2-Dichloroethene	ND	**140**	ND
Methylene chloride	2.8	2.7	3.1
trans-1,2-Dichloroethene	ND	1.7	ND
Trichloroethene	3.3	**76**	ND

MCA-GW027	16'	30'	45'
Acetone	ND	8.7	18
Methylene chloride	ND	2.9	6.4
cis-1,2-Dichloroethene	29	1.6	1.6 J
Ethylbenzene	46	3.8	14
m,p-Xylene	420	34	120
o-Xylene	ND	ND	1.8 J
n-Propylbenzene	90	22	51

MCA-GW026	16'
All Constituents	ND

MCA-GW028	16'
Acetone	4.4 J

MCA-GW017	16'
Carbon disulfide	1.4 J

MCA-GW078	15'	30'	45'
All Constituents	ND	ND	ND

MCA-GW064	15'	30'	45'
Benzene	ND	1.4	ND
Carbon disulfide	0.92 J	1.1	ND
Chlorobenzene	ND	0.55 J	ND
cis-1,2-Dichloroethene	ND	**74**	0.72 J
Ethylbenzene	ND	1.1	ND
n-Propylbenzene	ND	0.69 J	ND
Trichloroethene	ND	**5.9**	ND

MCA-GW016	16'	30'	39'
Acetone	ND	5.6	46
2-Butanone (MEK)	ND	ND	5.2

MCA-GW069	15'	30'
cis-1,2-Dicholorethene	ND	38
Trichloroethene	5	**25**

PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- ◆ Groundwater Vertical Profile
- 15' Sample Depth (feet below ground surface)
- (ND) Duplicate Data

NOTES:
1) All soil concentrations reported in milligrams per kilogram (mg/kg).
2) Samples were taken between October 2005 and February 2006.
3) **BOLD** concentration exceeds Type I Risk Reduction Standard.
4) Concentrations shown are those detected above the practical quantitation limit (PQL).
5) J values are estimated.
6) U values indicate the analyte was not detected above the reporting limit.
7) ND – Not detected above PQL.
8) Data presented includes samples taken in both the shallow and deep zones of the upper aquifer.

HUNTER ARMY AIRFIELD, GEORGIA

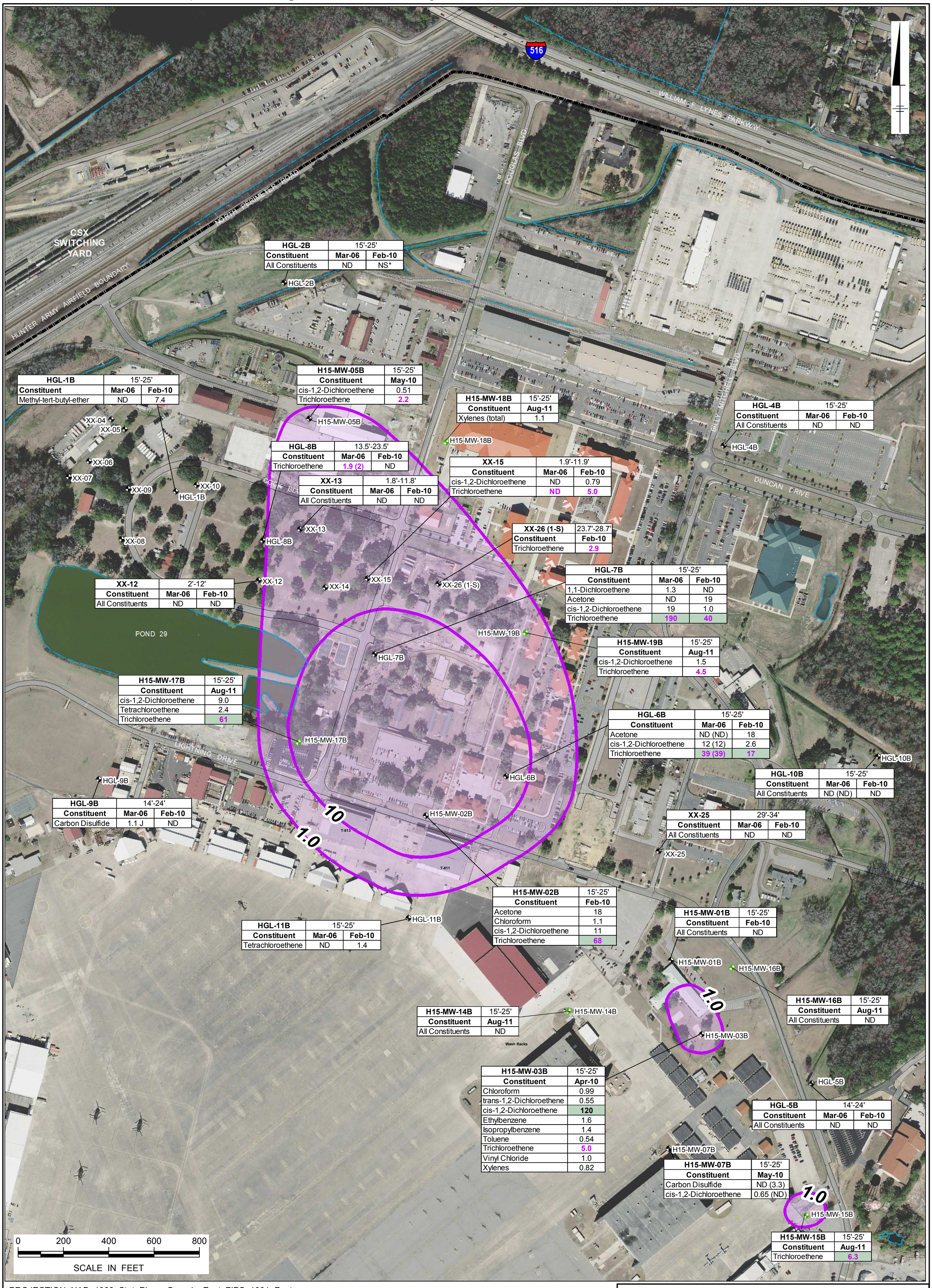
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Vertical Profile Groundwater Grab Sample Results (2005 – 2006)

ARCADIS

FIGURE
6-4

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-5 H15_CSR1 2011 VOCs GW S Dsize.mxd - 9/28/2011 @ 5:34:04 PM



HGL-2B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	NS*

HGL-1B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
Methyl-tert-butyl-ether	ND	7.4

H15-MW-05B	15'-25'
Constituent	**May-10**
cis-1,2-Dichloroethene	0.51
Trichloroethene	**2.2**

H15-MW-18B	15'-25'
Constituent	**Aug-11**
Xylenes (total)	1.1

HGL-4B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

HGL-8B	13.5'-23.5'	
Constituent	**Mar-06**	**Feb-10**
Trichloroethene	**1.9 (2)**	ND

XX-13	1.8'-11.8'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

XX-15	1.9'-11.9'	
Constituent	**Mar-06**	**Feb-10**
cis-1,2-Dichloroethene	ND	0.79
Trichloroethene	**ND**	**5.0**

XX-26 (1-S)	23.7'-28.7'
Constituent	**Feb-10**
Trichloroethene	**2.9**

XX-12	2'-12'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

HGL-7B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
1,1-Dichloroethene	1.3	ND
Acetone	ND	19
cis-1,2-Dichloroethene	19	1.0
Trichloroethene	**190**	**40**

H15-MW-19B	15'-25'
Constituent	**Aug-11**
cis-1,2-Dichloroethene	1.5
Trichloroethene	**4.5**

H15-MW-17B	15'-25'
Constituent	**Aug-11**
cis-1,2-Dichloroethene	9.0
Tetrachloroethene	2.4
Trichloroethene	**61**

HGL-6B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
Acetone	ND (ND)	18
cis-1,2-Dichloroethene	12 (12)	2.6
Trichloroethene	**39 (39)**	**17**

HGL-10B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND (ND)	ND

HGL-9B	14'-24'	
Constituent	**Mar-06**	**Feb-10**
Carbon Disulfide	1.1 J	ND

XX-25	29'-34'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

H15-MW-02B	15'-25'
Constituent	**Feb-10**
Acetone	18
Chloroform	1.1
cis-1,2-Dichloroethene	11
Trichloroethene	**68**

HGL-11B	15'-25'	
Constituent	**Mar-06**	**Feb-10**
Tetrachloroethene	ND	1.4

H15-MW-01B	15'-25'
Constituent	**Feb-10**
All Constituents	ND

H15-MW-16B	15'-25'
Constituent	**Aug-11**
All Constituents	ND

H15-MW-14B	15'-25'
Constituent	**Aug-11**
All Constituents	ND

H15-MW-03B	15'-25'
Constituent	**Apr-10**
Chloroform	0.99
trans-1,2-Dichloroethene	0.55
cis-1,2-Dichloroethene	**120**
Ethylbenzene	1.6
Isopropylbenzene	1.4
Toluene	0.54
Trichloroethene	**5.0**
Vinyl Chloride	1.0
Xylenes	0.82

HGL-5B	14'-24'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

H15-MW-07B	15'-25'
Constituent	**May-10**
Carbon Disulfide	ND (3.3)
cis-1,2-Dichloroethene	0.65 (ND)

H15-MW-15B	15'-25'
Constituent	**Aug-11**
Trichloroethene	**6.3**

PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Monitor Well (shallow)
- Monitor Well (shallow) Installed 2011
- TCE Isoconcentration Contour (µg/L)
- (3.3) Duplicate Data
- ND Not Detected

NOTES:
1) All concentrations expressed in micrograms per liter (µg/L).
2) **BOLD** Concentrations exceed the Type I Risk Reduction Standard.
3) Concentrations shown are those detected above the practical quantitation limit (PQL).
4) J values are estimated.
5) B values indicate the analyte was detected in the method blank sample.
6) ND – Not detected above PQL.
7) - - Not Sampled
8) NS* - Well was destroyed in late 2009.
9) The shallow zone of the upper aquifer consists of wells with screened intervals between ground surface and 30 ft bgs.

HUNTER ARMY AIRFIELD, GEORGIA

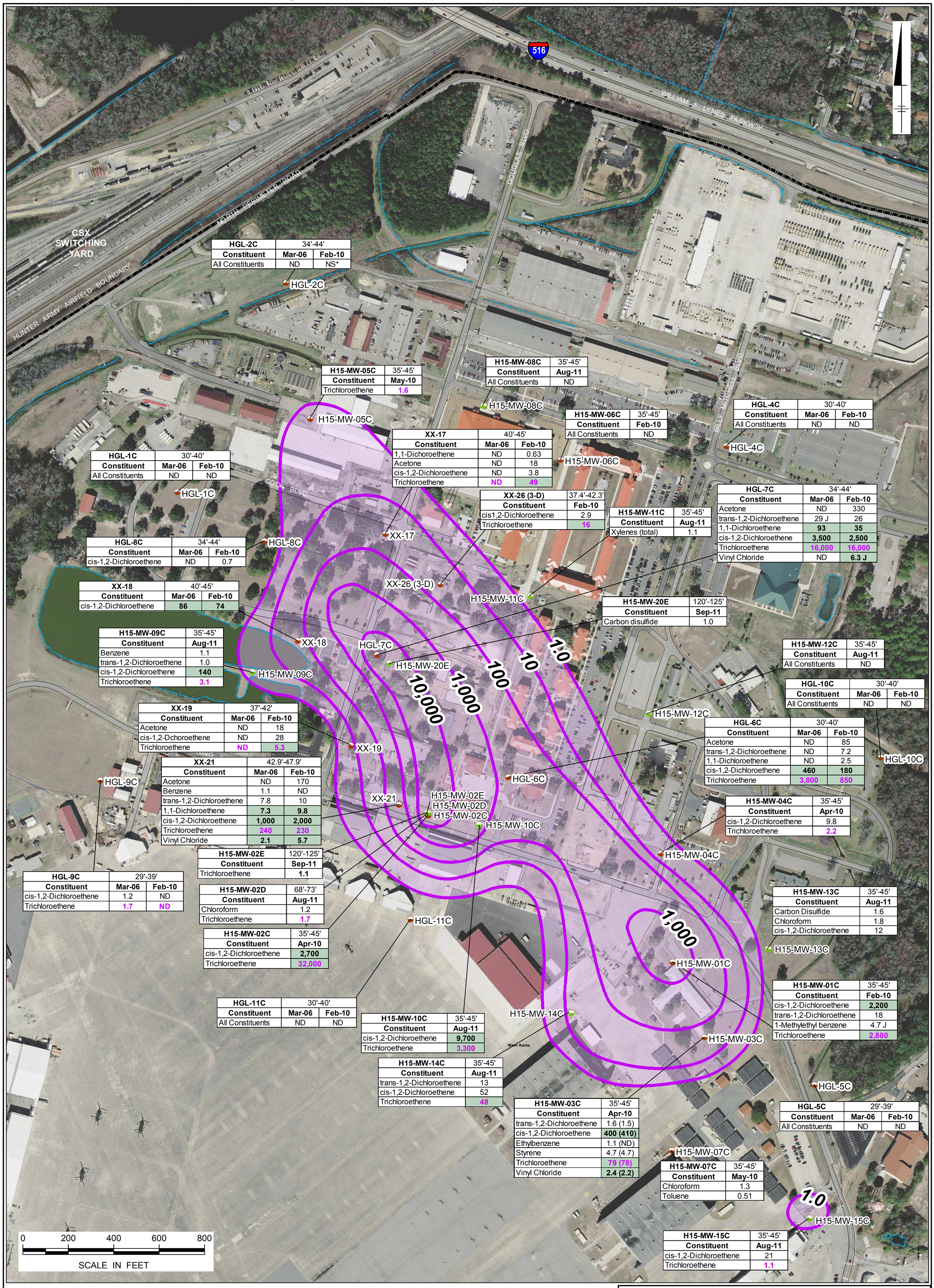
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Shallow Zone of Upper Aquifer (0 - 30 ft bgs)
Volatile Organic Compounds
in Groundwater Monitor Wells

ARCADIS

FIGURE
6-5

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-6 H15_CSR1 2011 VOCs GW D Dsize.mxd - 9/28/2011 @ 5:39:53 PM



HGL-2C	34'-44'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	NS*

H15-MW-05C	35'-45'
Constituent	**May-10**
Trichloroethene	1.6

H15-MW-08C	35'-45'
Constituent	**Aug-11**
All Constituents	ND

H15-MW-06C	35'-45'
Constituent	**Feb-10**
All Constituents	ND

HGL-4C	30'-40'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

XX-17	40'-45'	
Constituent	**Mar-06**	**Feb-10**
1,1-Dichoroethene	ND	0.63
Acetone	ND	18
cis-1,2-Dichloroethene	ND	3.8
Trichloroethene	ND	49

HGL-1C	30'-40'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

XX-26 (3-D)	37.4'-42.3'
Constituent	**Feb-10**
cis1,2-Dichloroethene	2.9
Trichloroethene	16

H15-MW-11C	35'-45'
Constituent	**Aug-11**
Xylenes (total)	1.1

HGL-7C	34'-44'	
Constituent	**Mar-06**	**Feb-10**
Acetone	ND	330
trans-1,2-Dichloroethene	29 J	26
1,1-Dichloroethene	**93**	**35**
cis-1,2-Dichloroethene	**3,500**	**2,500**
Trichloroethene	**16,000**	**16,000**
Vinyl Chloride	ND	**6.3 J**

HGL-8C	34'-44'	
Constituent	**Mar-06**	**Feb-10**
cis-1,2-Dichloroethene	ND	0.7

XX-18	40'-45'	
Constituent	**Mar-06**	**Feb-10**
cis-1,2-Dichloroethene	**86**	**74**

H15-MW-20E	120'-125'
Constituent	**Sep-11**
Carbon disulfide	1.0

H15-MW-09C	35'-45'
Constituent	**Aug-11**
Benzene	1.1
trans-1,2-Dichloroethene	1.0
cis-1,2-Dichloroethene	**140**
Trichloroethene	3.1

H15-MW-12C	35'-45'
Constituent	**Aug-11**
All Constituents	ND

HGL-10C	30'-40'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

XX-19	37'-42'	
Constituent	**Mar-06**	**Feb-10**
Acetone	ND	18
cis-1,2-Dchoroethene	ND	28
Trichloroethene	ND	5.3

HGL-6C	30'-40'	
Constituent	**Mar-06**	**Feb-10**
Acetone	ND	85
trans-1,2-Dichloroethene	ND	7.2
1,1-Dichloroethene	ND	2.5
cis-1,2-Dichloroethene	**460**	**180**
Trichloroethene	3,800	850

XX-21	42.9'-47.9'	
Constituent	**Mar-06**	**Feb-10**
Acetone	ND	170
Benzene	1.1	ND
trans-1,2-Dichloroethene	7.8	10
1,1-Dichloroethene	**7.3**	**9.8**
cis-1,2-Dichloroethene	**1,000**	**2,000**
Trichloroethene	240	230
Vinyl Chloride	**2.1**	**5.7**

H15-MW-04C	35'-45'
Constituent	**Apr-10**
cis-1,2-Dichloroethene	9.8
Trichloroethene	2.2

H15-MW-02E	120'-125'
Constituent	**Sep-11**
Trichloroethene	**1.1**

HGL-9C	29'-39'	
Constituent	**Mar-06**	**Feb-10**
cis-1,2-Dichloroethene	1.2	ND
Trichloroethene	1.7	ND

H15-MW-02D	68'-73'
Constituent	**Aug-11**
Chloroform	1.2
Trichloroethene	1.7

H15-MW-13C	35'-45'
Constituent	**Aug-11**
Carbon Disulfide	1.6
Chloroform	1.8
cis-1,2-Dichloroethene	12

H15-MW-02C	35'-45'
Constituent	**Apr-10**
cis-1,2-Dichloroethene	**2,700**
Trichloroethene	32,000

HGL-11C	30'-40'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

H15-MW-01C	35'-45'
Constituent	**Feb-10**
cis-1,2-Dichloroethene	**2,200**
trans-1,2-Dichloroethene	18
1-Methylethyl benzene	4.7 J
Trichloroethene	2,800

H15-MW-10C	35'-45'
Constituent	**Aug-11**
cis-1,2-Dichloroethene	**9,700**
Trichloroethene	3,300

H15-MW-14C	35'-45'
Constituent	**Aug-11**
trans-1,2-Dichloroethene	13
cis-1,2-Dichloroethene	52
Trichloroethene	48

H15-MW-03C	35'-45'
Constituent	**Apr-10**
trans-1,2-Dichloroethene	1.6 (1.5)
cis-1,2-Dichloroethene	**400 (410)**
Ethylbenzene	1.1 (ND)
Styrene	4.7 (4.7)
Trichloroethene	79 (78)
Vinyl Chloride	**2.4 (2.2)**

HGL-5C	29'-39'	
Constituent	**Mar-06**	**Feb-10**
All Constituents	ND	ND

H15-MW-07C	35'-45'
Constituent	**May-10**
Chloroform	1.3
Toluene	0.51

H15-MW-15C	35'-45'
Constituent	**Aug-11**
cis-1,2-Dichloroethene	21
Trichloroethene	1.1

PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Monitor Well (deep)
- Monitor Well (deep) Installed 2011
- TCE Isoconcentration Contour (µg/L)
- (4.7) Duplicate Data
- ND Not Detected

NOTES:
1) All concentrations expressed in micrograms per liter (µg/L).
2) **BOLD** Concentrations exceed the Type I Risk Reduction Standard.
3) H15-MW-02D, H15-MW-02E, and H15-MW-20E were not used for contouring.
4) Concentrations shown are those above the practical quantitation limit (PQL).
5) J values are estimated.
6) B values indicate the analyte was detected in the method blank sample.
7) ND – Not Detected Above PQL.
8) - - Not Sampled
9) NS* - Well was destroyed in late 2009.
10) The deep zone of the upper aquifer consists of wells with screened intervals between 30 and 50 ft bgs.

HUNTER ARMY AIRFIELD, GEORGIA

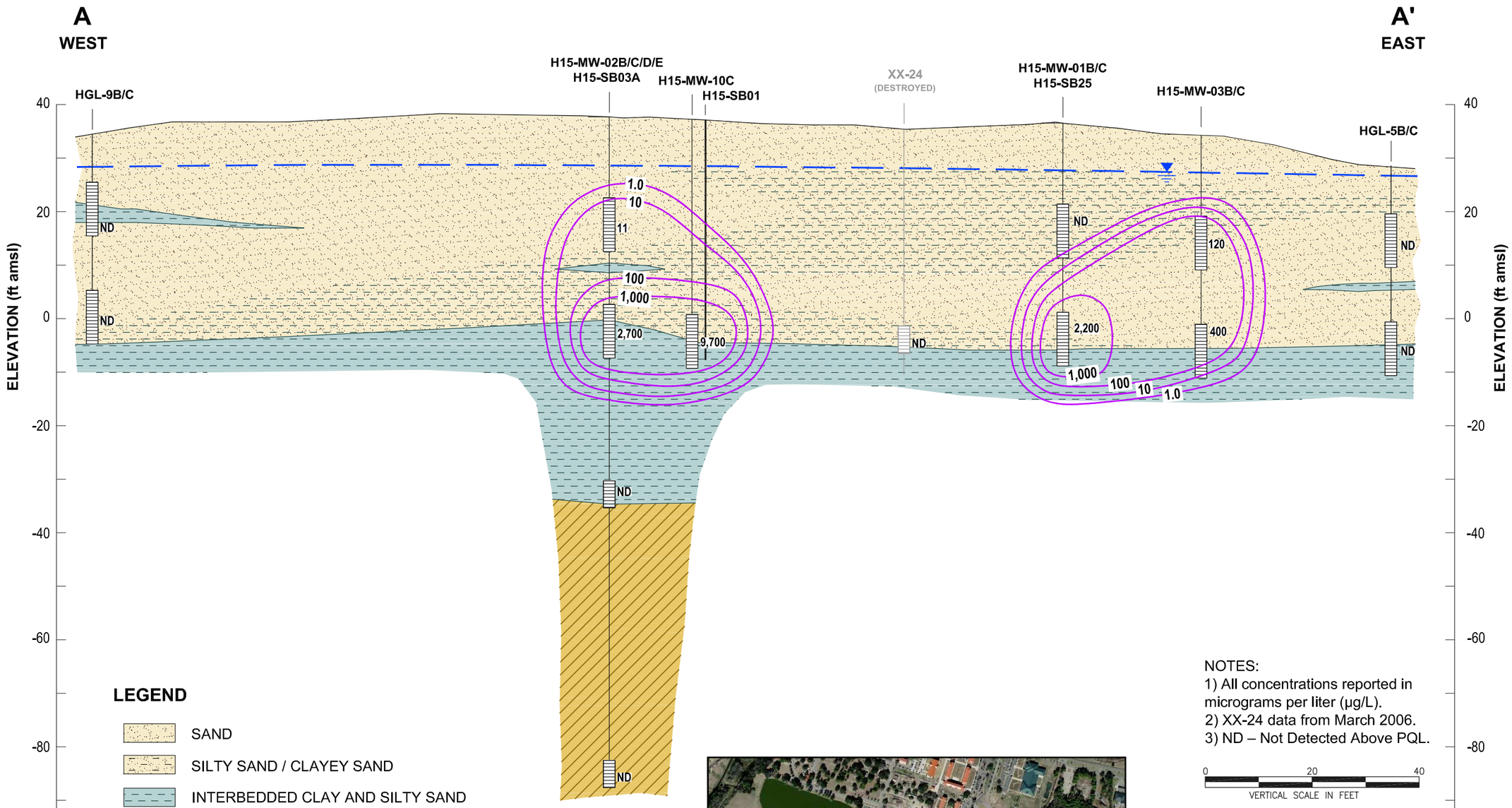
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Deep Zone of Upper Aquifer (30 - 50 ft bgs)
Volatile Organic Compounds
in Groundwater Monitor Wells

ARCADIS

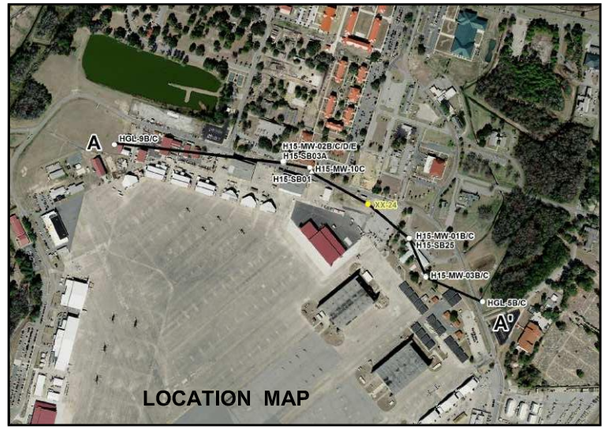
FIGURE
6-6

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
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XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- 11 SAMPLE RESULT
- 1.0 ISOCONCENTRATION CONTOUR



NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) XX-24 data from March 2006.
3) ND – Not Detected Above PQL.

0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

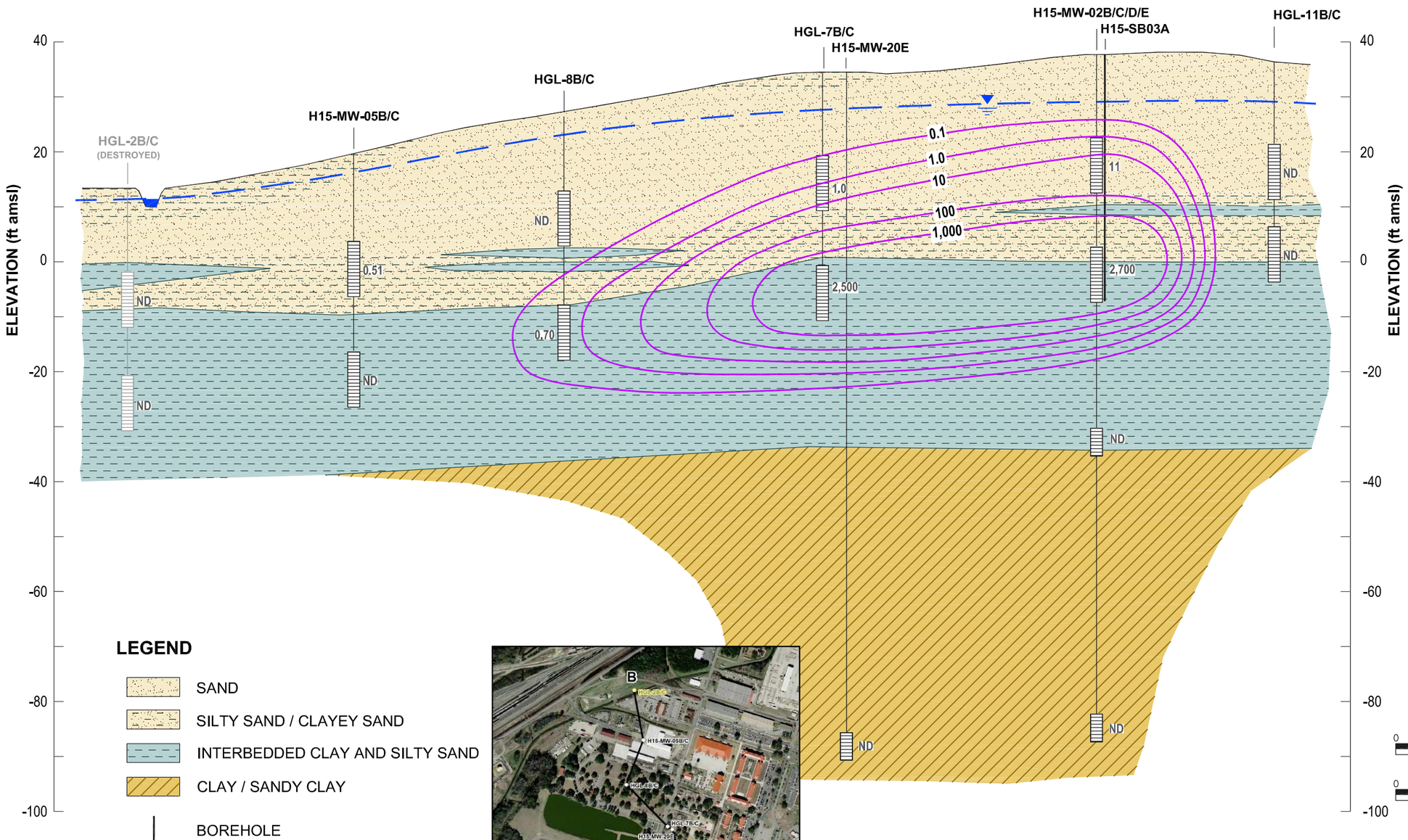
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

cis-1,2-Dichloroethene Isoconcentrations along Geologic Cross-Section A-A' (February 2010 through September 2011)

ARCADIS

FIGURE
6-7

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: BB_CIS12DCE SAVED: 10/4/2011 8:20 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: TNT_STANDARD.CTB PLOTTED: 10/4/2011 8:21 AM BY: ALTOM, BRENDA
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- 11 SAMPLE RESULT
- 1.0 ISOCONCENTRATION CONTOUR

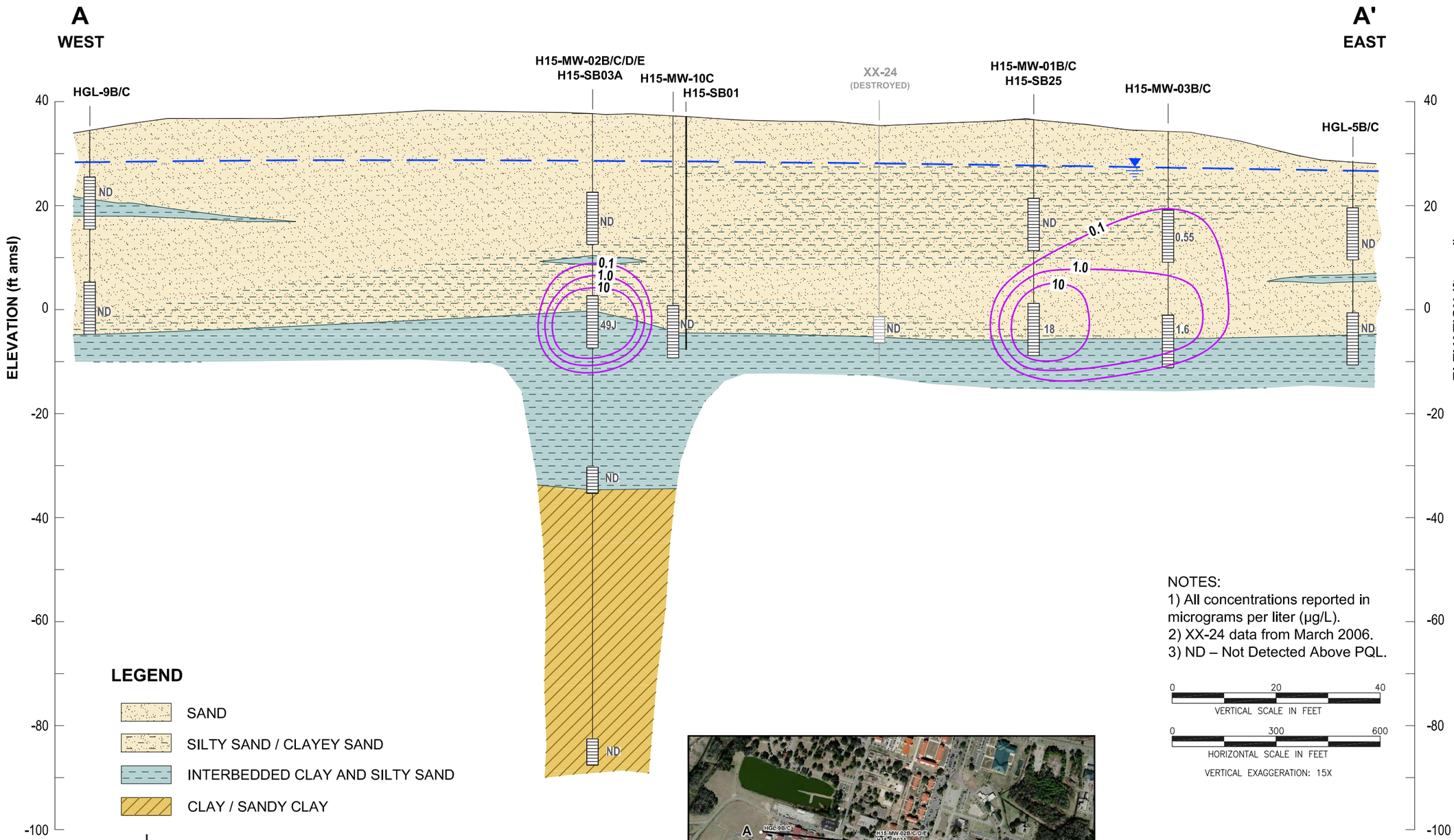
NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) HGL-2B/C data from March 2006.
3) ND – Not Detected Above PQL.

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

cis-1,2-Dichloroethene Isoconcentrations along Geologic Cross-Section B-B' (February 2010 through September 2011)

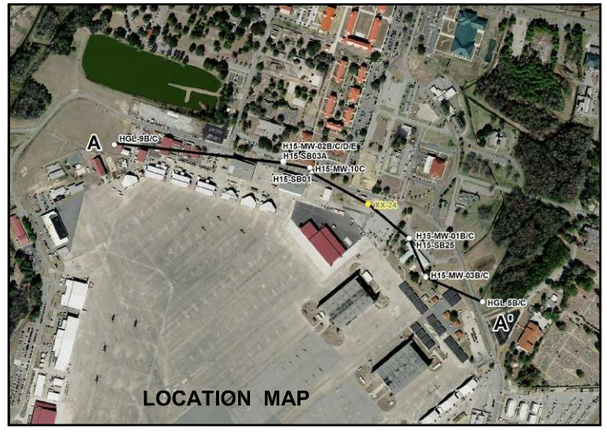
ARCADIS

FIGURE
6-8



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- 18 SAMPLE RESULT
- 1.0 ISOCONCENTRATION CONTOUR



NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) XX-24 data from March 2006.
3) ND – Not Detected Above PQL.

0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

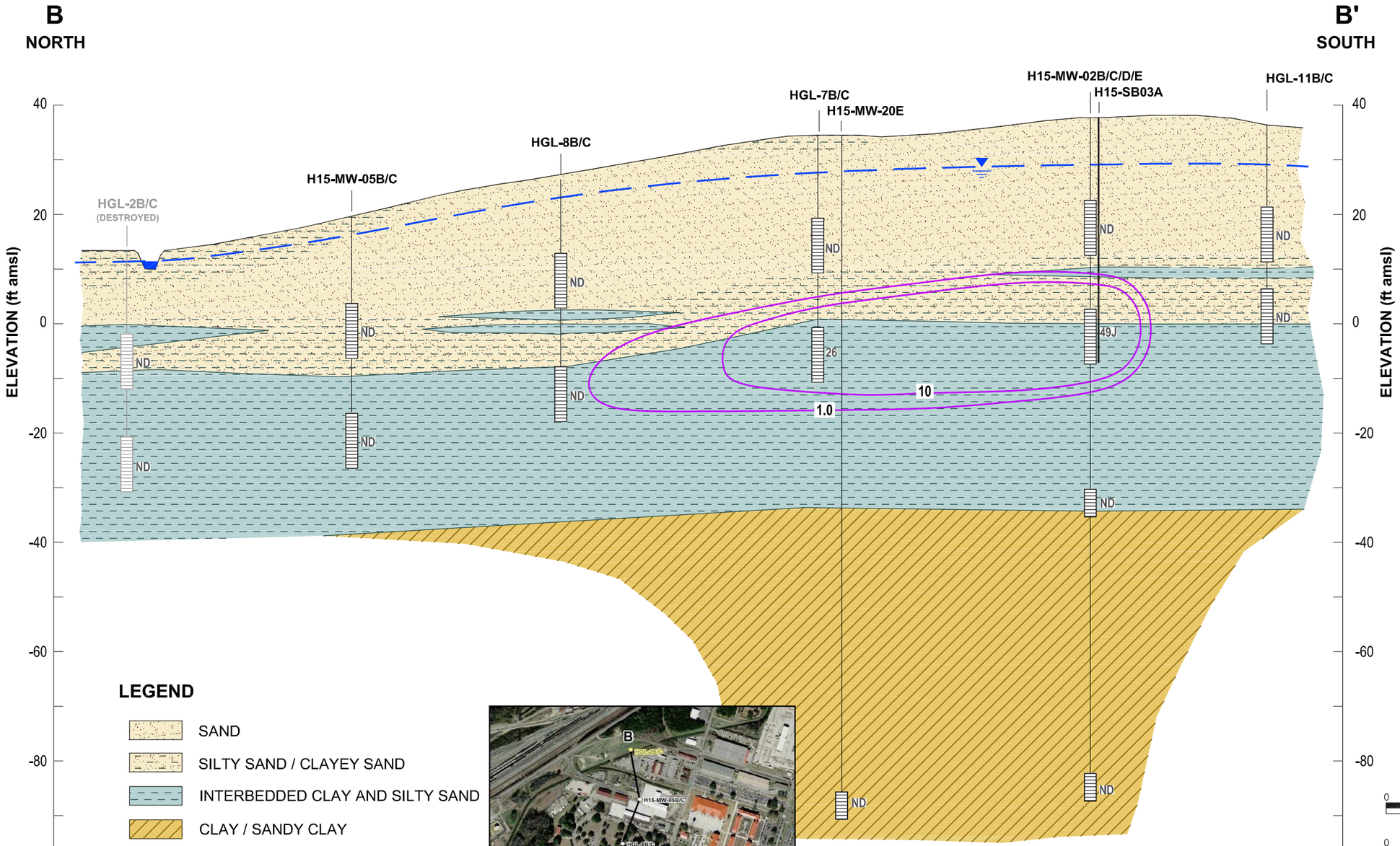
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

trans-1,2-Dichloroethene Isoconcentrations along Geologic Cross-Section A-A' (February 2010 through September 2011)

ARCADIS

FIGURE
6-9

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: AA_TRANS12DCE SAVED: 10/4/2011 8:20 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:22 AM BY: ALTOM, BRENDA
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) HGL-2B/C data from March 2006.
3) ND – Not Detected Above PQL.

HUNTER army AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

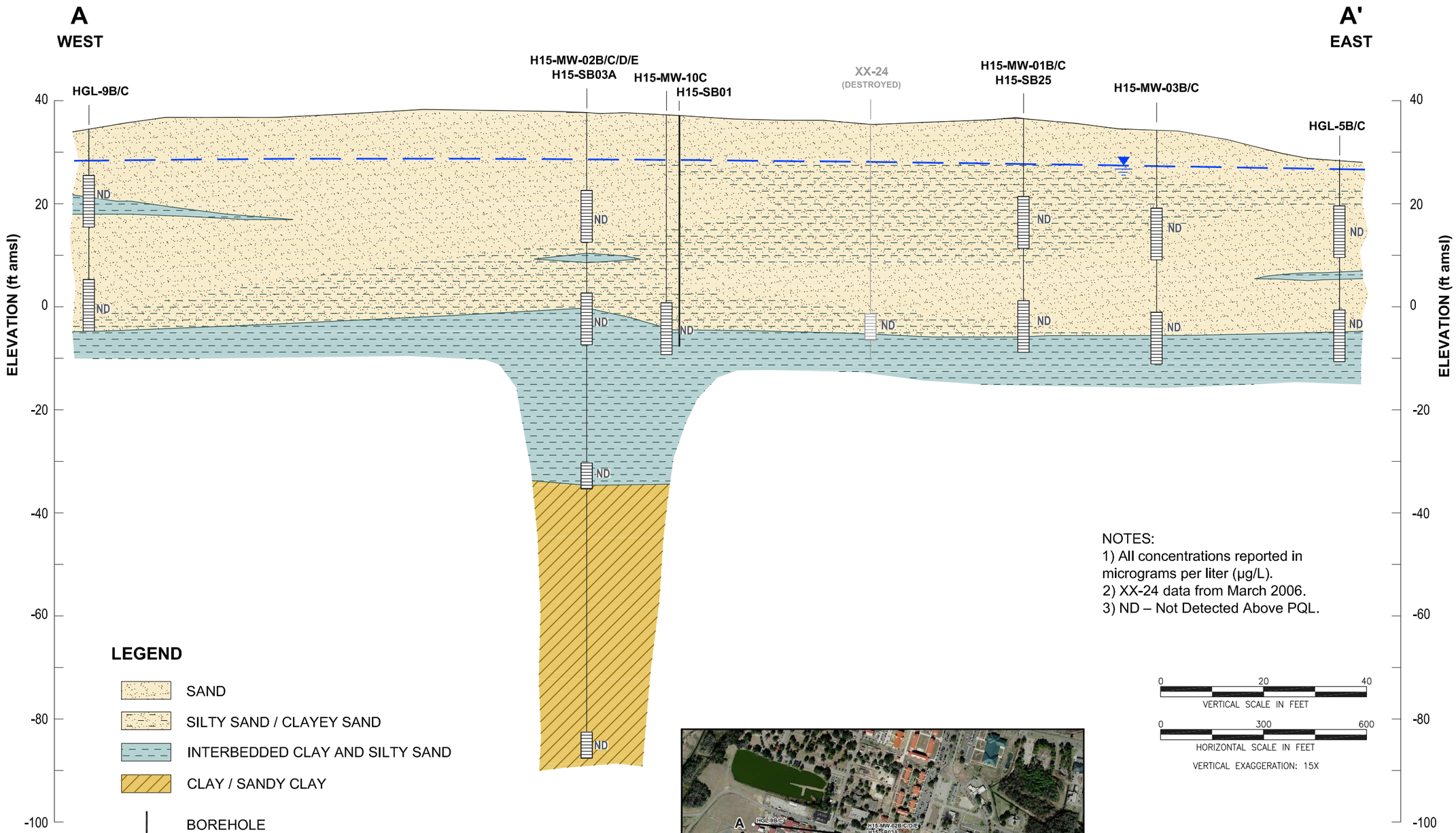
trans-1,2-Dichloroethene Isoconcentrations along Geologic Cross-Section B-B' (February 2010 through September 2011)

ARCADIS

FIGURE
6-10

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: BB_TRANS12DCE SAVED: 10/4/2011 8:23 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ----
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg
PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:25 AM BY: ALTOM, BRENDA

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: AA_PCE SAVED: 10/4/2011 8:23 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



LEGEND

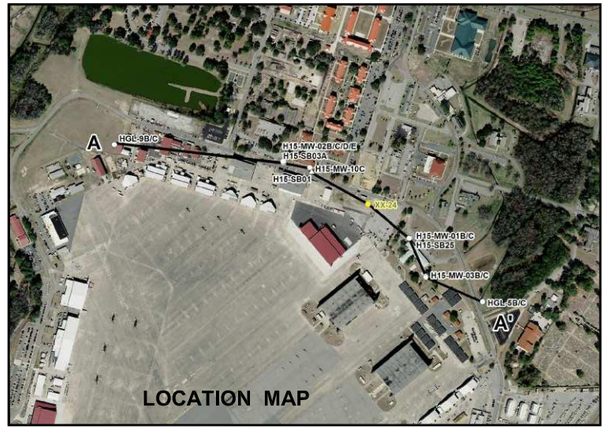
- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- ND SAMPLE RESULT

NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) XX-24 data from March 2006.
3) ND – Not Detected Above PQL.

0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

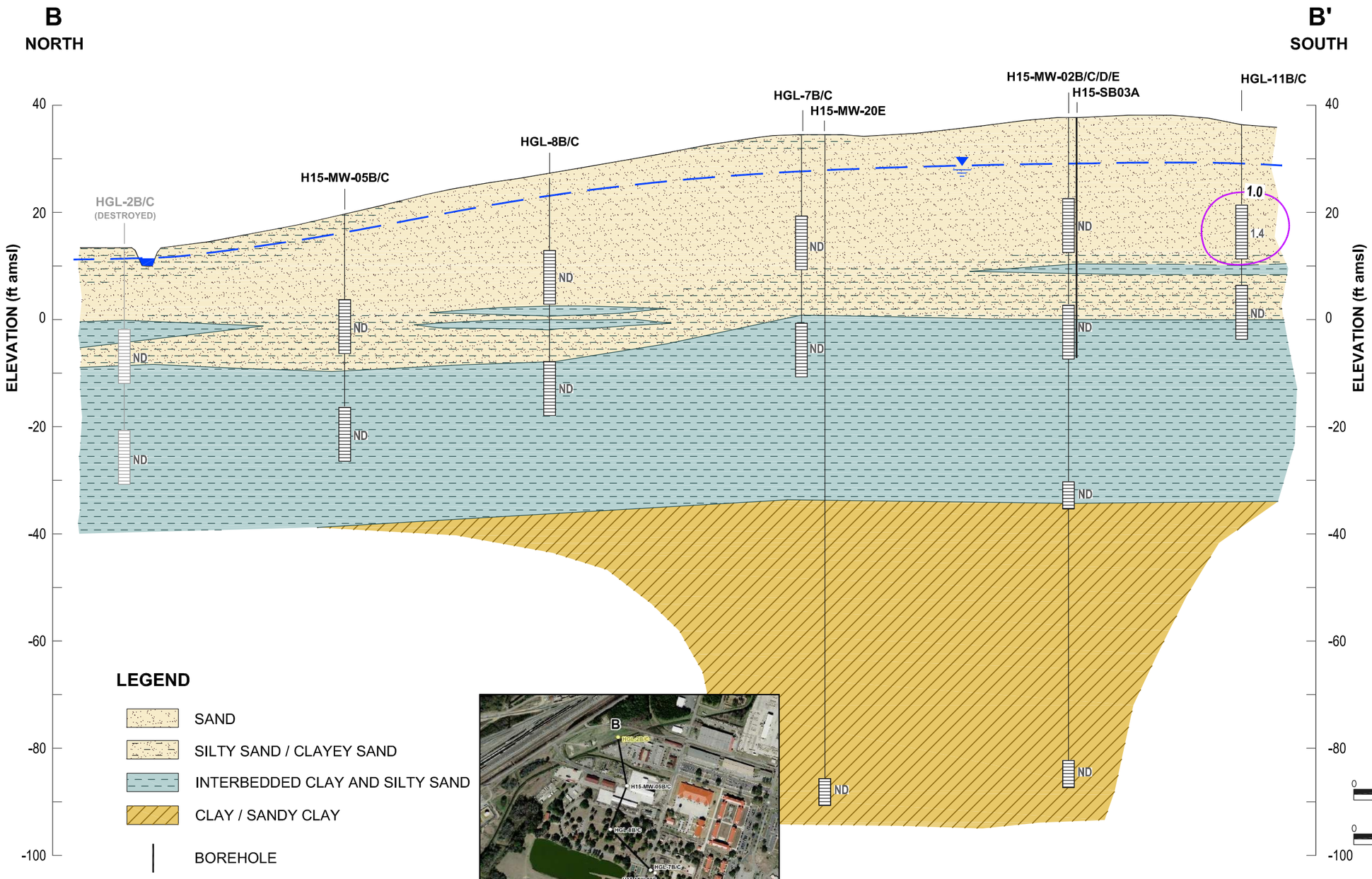


HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Tetrachloroethene Isoconcentrations along Geologic Cross-Section A-A' (February 2010 through September 2011)

ARCADIS

FIGURE
6-11



NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) HGL-2B/C data from March 2006.
3) ND – Not Detected Above PQL.

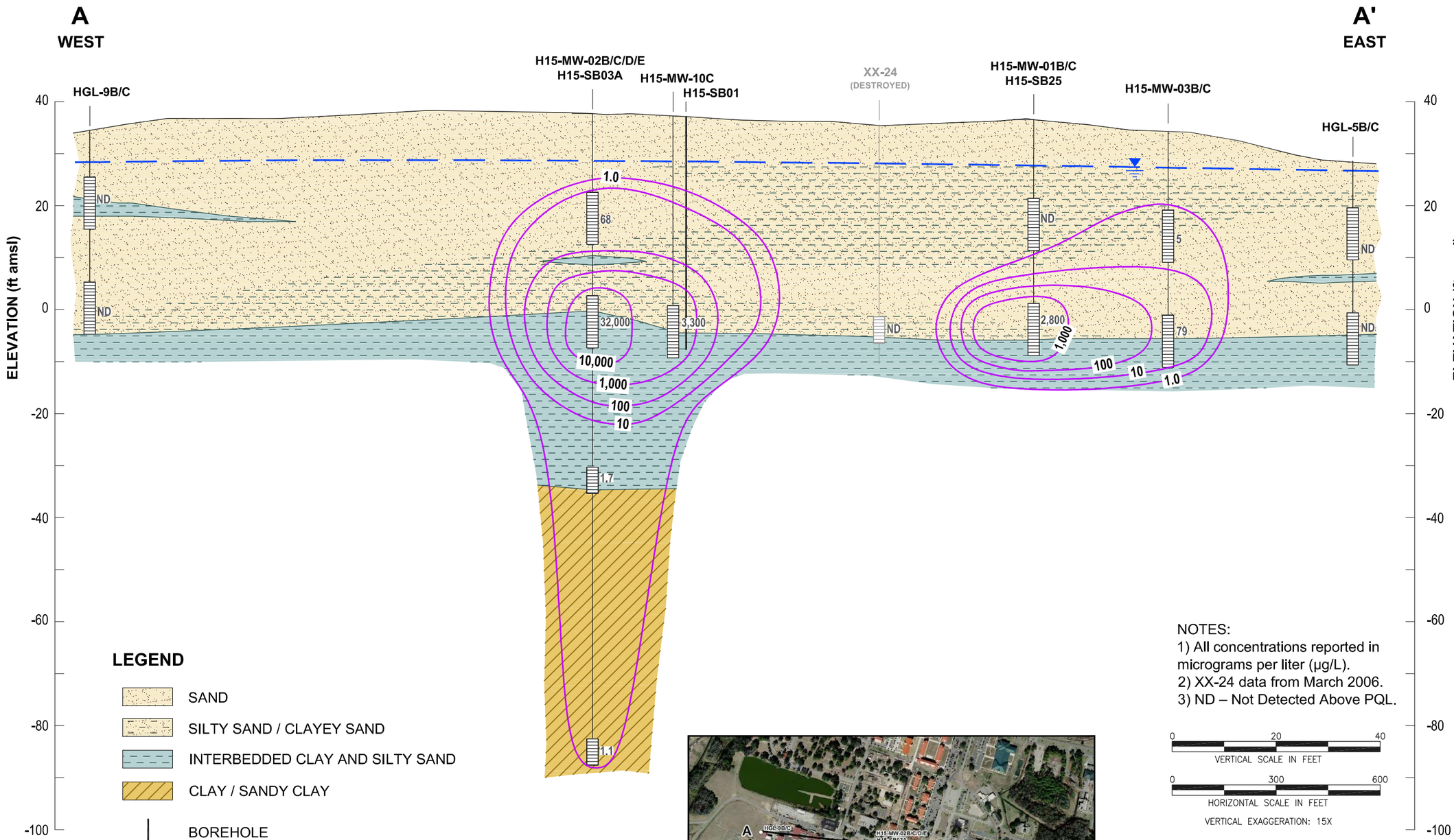
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Tetrachloroethene Isoconcentrations along Geologic Cross-Section B-B' (February 2010 through September 2011)

ARCADIS

FIGURE
6-12

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: BB_PCE SAVED: 10/4/2011 8:23 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:25 AM BY: ALTOM, BRENDA
XREFS: IMAGES: PROJECT: CSR R1
H15 xsecAA loc.jpg
H15 xsecBB loc.jpg



HUNTER army AIRFIELD, GEORGIA

MCA BARRACKS SITE (HAA-15)

COMPLIANCE STATUS REPORT, REVISION 1

Trichloroethene Isoconcentrations along Geologic Cross-Section A-A' (February 2010 through September 2011)

ARCADIS

FIGURE **6-13**

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
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H15 xsecAA loc.jpg
H15 xsecBB loc.jpg
PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:26 AM BY: ALTOM, BRENDA

B
NORTH

B'
SOUTH

HGL-2B/C
(DESTROYED)

H15-MW-05B/C

HGL-8B/C

HGL-7B/C
H15-MW-20E

H15-MW-02B/C/D/E
H15-SB03A

HGL-11B/C

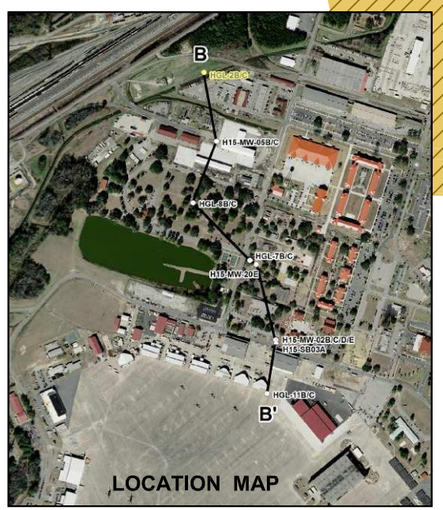
ELEVATION (ft amsl)

40
20
0
-20
-40
-60
-80
-100

ND
2.2
1.6
1.0
ND
ND
40
16,000
10,000
1,000
100
10
1.0
ND
68
32,000
1.7
1.1
ND
ND

LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- 1.6 SAMPLE RESULT
- 1.0 ISOCONCENTRATION CONTOUR



LOCATION MAP

0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) HGL-2B/C data from March 2006.
3) ND – Not Detected Above PQL.

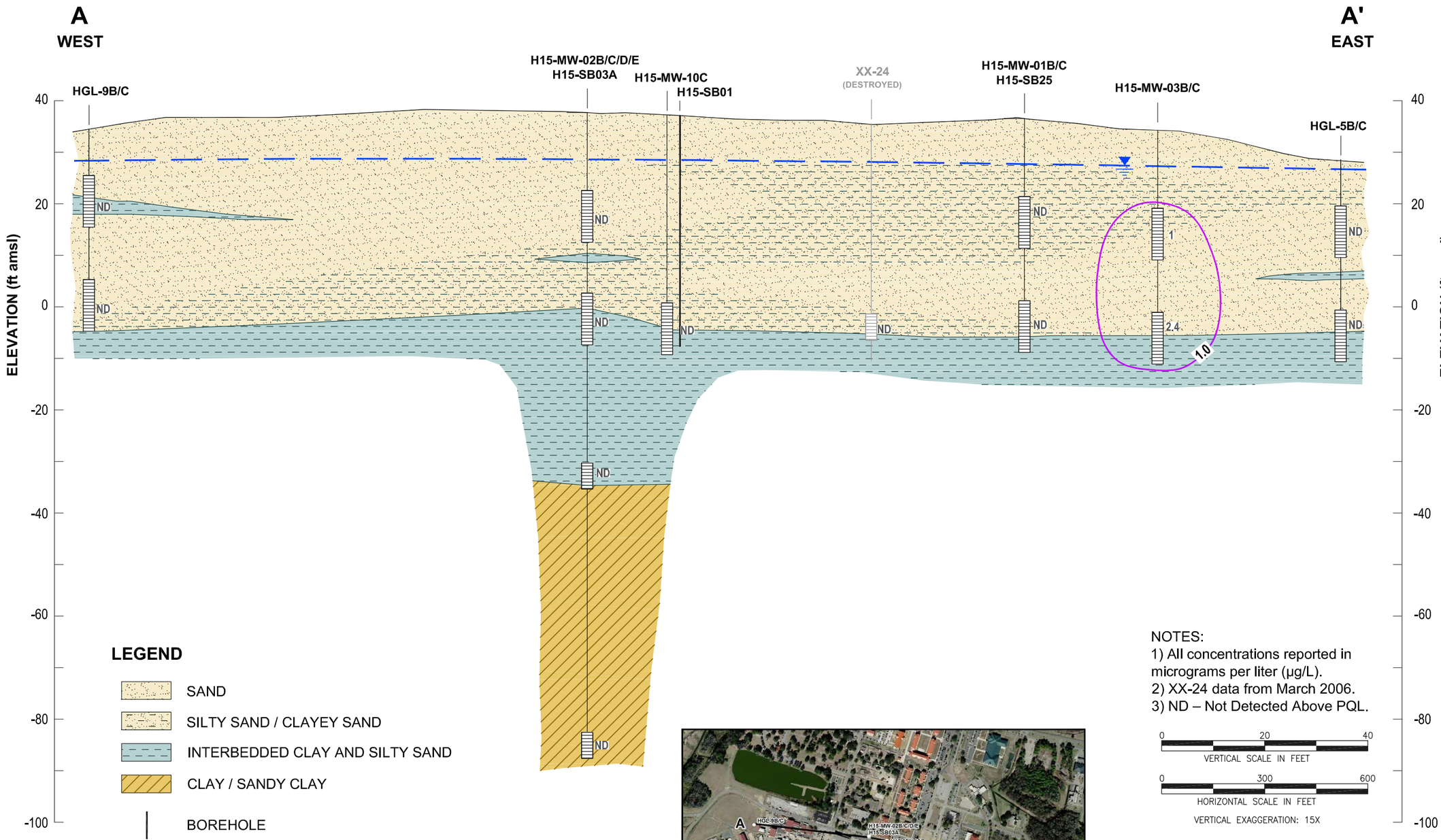
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Trichloroethene Isoconcentrations along Geologic Cross-Section B-B' (February 2010 through September 2011)

ARCADIS

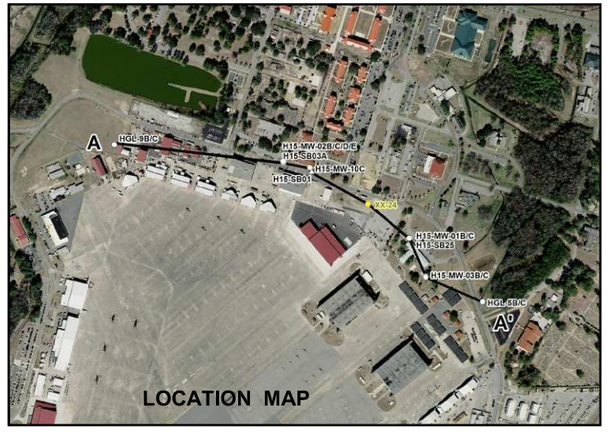
FIGURE
6-14

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\FR-1 H15_CSR1 XSECS.dwg LAYOUT: BB_TCE SAVED: 10/4/2011 8:23 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:27 AM BY: ALTOM, BRENDA
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LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- ND — SAMPLE RESULT
- 1.0 — ISOCONCENTRATION CONTOUR



NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) XX-24 data from March 2006.
3) ND – Not Detected Above PQL.

0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Vinyl Chloride Isoconcentrations along Geologic Cross-Section A-A' (February 2010 through September 2011)

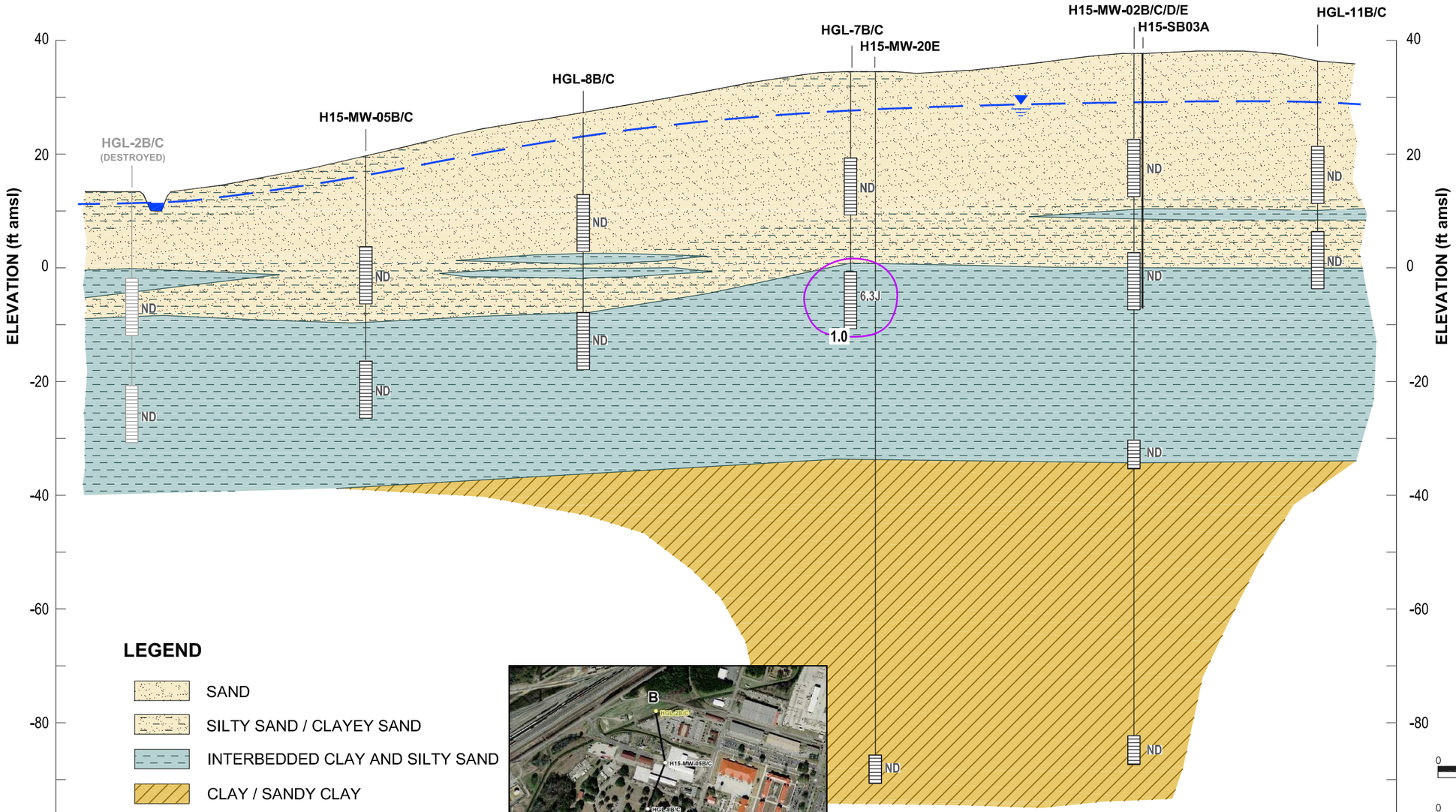
ARCADIS

FIGURE
6-15

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: AA_VC SAVED: 10/4/2011 8:23 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---
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H15 xsecBB loc.jpg
PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:27 AM BY: ALTOM, BRENDA
SETUP: ---

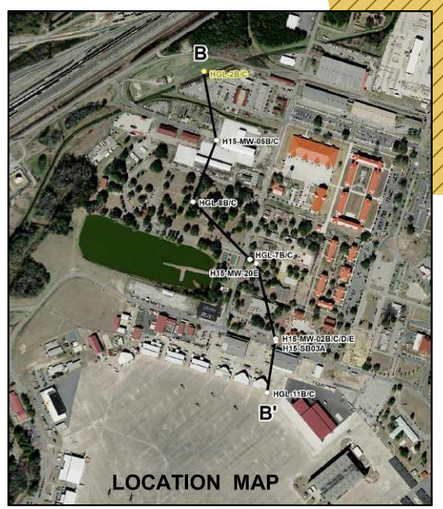
B
NORTH

B'
SOUTH



LEGEND

- SAND
- SILTY SAND / CLAYEY SAND
- INTERBEDDED CLAY AND SILTY SAND
- CLAY / SANDY CLAY
- BOREHOLE
- MONITOR WELL SCREENED INTERVAL
- APPROXIMATE WATER TABLE
- 6.3J — SAMPLE RESULT
- 1.0 — ISOCONCENTRATION CONTOUR



NOTES:
1) All concentrations reported in micrograms per liter (µg/L).
2) HGL-2B/C data from March 2006.
3) ND – Not Detected Above PQL.

0 20 40
VERTICAL SCALE IN FEET

0 300 600
HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION: 15X

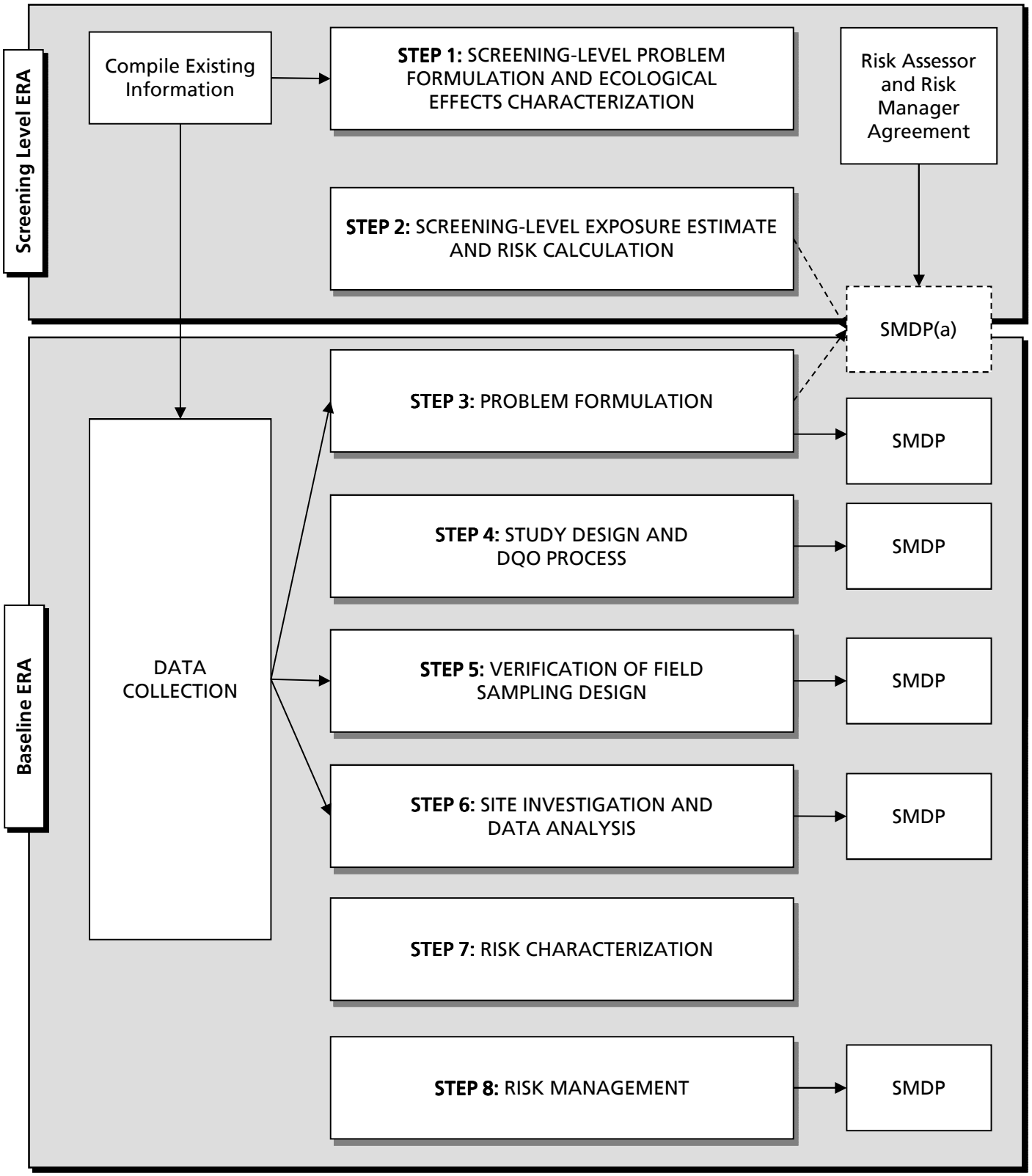
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Vinyl Chloride Isoconcentrations along Geologic Cross-Section B-B' (February 2010 through September 2011)

ARCADIS

FIGURE
6-16

CITY: (KNOXVILLE) DIV/GROUP: (ENV/GIS) DB: (C.MCKEOUGH) LD: (B.ALTOM) PIC: (T.TALELE) PM: (C. BERTZ) APM: (S.BOSTIAN) TM: (J.FRIZZELL)
G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\F6-1 H15_CSR1 XSECS.dwg LAYOUT: BB_VC SAVED: 10/4/2011 8:23 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: TN1_STANDARD.CTB PLOTTED: 10/4/2011 8:28 AM BY: ALTOM, BRENDA
XREFS: IMAGES: H15 xsecAA loc.jpg H15 xsecBB loc.jpg PROJECT: CSR R1



NOTES:
(a) SMDP occurs EITHER after Step 2 or after Step 3a
ERA Ecological Risk Assessment
SMDP Scientific Management Decision Point
Source Adapted from USEPA 2000a

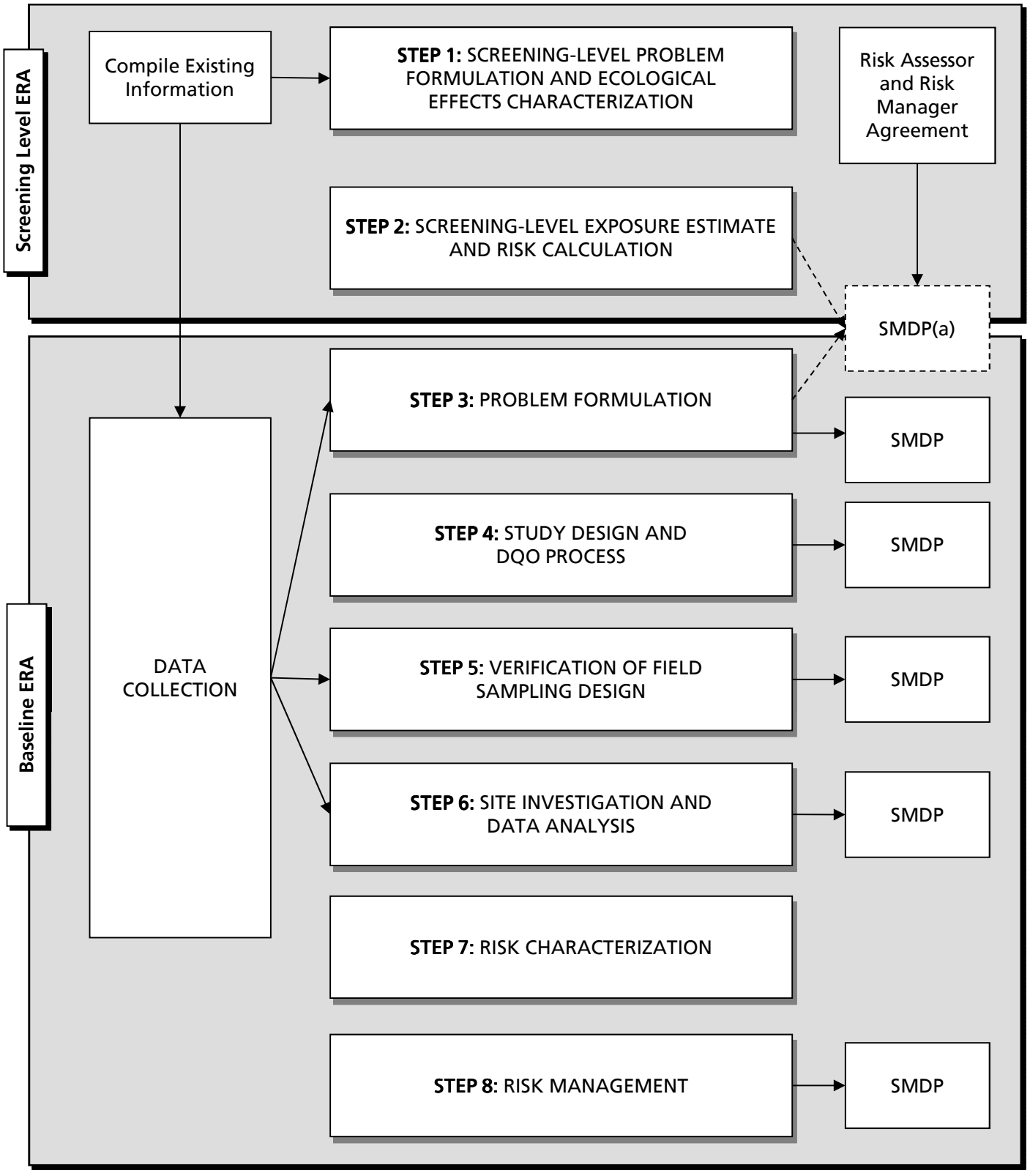
HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Eight-Step Ecological Risk Assessment Process

ARCADIS

FIGURE
9-1

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL/A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\ F9-1 H15_CSR1 8STEP.ppt SAVED: 15SEP2011



NOTES:
(a) SMDP occurs EITHER after Step 2 or after Step 3a
ERA Ecological Risk Assessment
SMDP Scientific Management Decision Point
Source Adapted from USEPA 2000a

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Expanded Eight-Step Ecological Risk Assessment Process

ARCADIS

FIGURE
9-2

CITY:(KNOXVILLE) DIV/GROUP:(ENV/GIS) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(J.FRIZZELL/A.FANG)
PROJECT: GP08HAFS.H15C.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\ F9-1 H15_CSR1 8STEP.ppt SAVED: 15SEP2011



PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet
REFERENCE: SAGIS (2008).

LEGEND

- Soil Boring
- Monitor Well (shallow)
- Surface Water/Sediment Sample
- Ecological Risk Designation - Green Space

0 200 400
SCALE IN FEET

HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

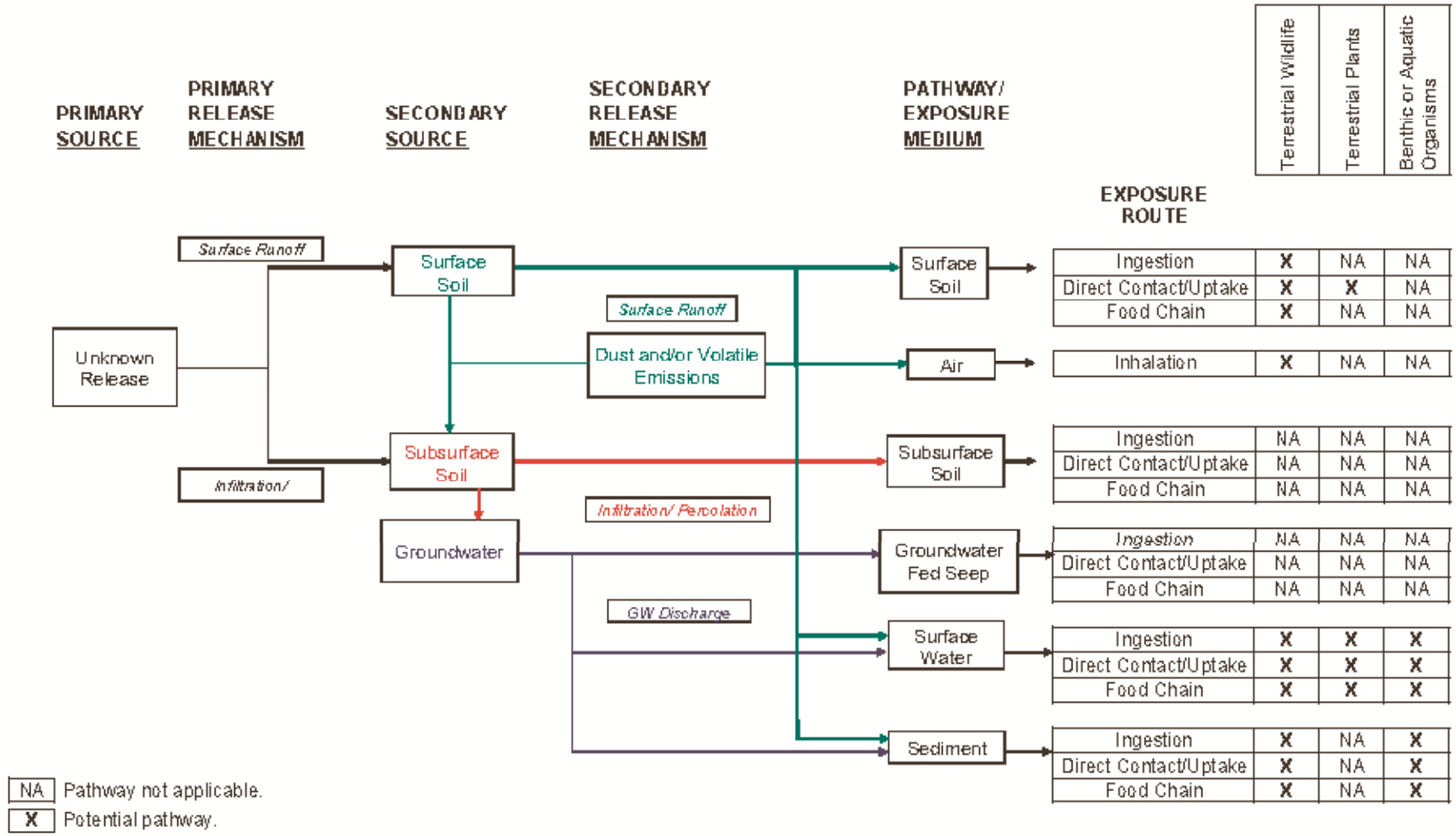
Green Space

ARCADIS

FIGURE
9-3

CITY:(KNOXVILLE) DIV/GROUP:(ENV) DB:(B.ALTOM) PIC:(T.TALELE) PM:(C.BERTZ) APM:(S.BOSTIAN) TM:(C.FORMAN/B.WHITE)
PROJECT: GP08HAFS.H15B.DPCSR PATH: G:\GIS\HAAF\MapDocs\H15\2011\CSR R1\FP9-3 H15_CSR1 RISKgreen.mxd - 9/16/2011 @ 12:25:51 AM

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HUNTER ARMY AIRFIELD, GEORGIA
MCA BARRACKS SITE (HAA-15)
COMPLIANCE STATUS REPORT, REVISION 1

Conceptual Site Model for Potential Ecological Receptors

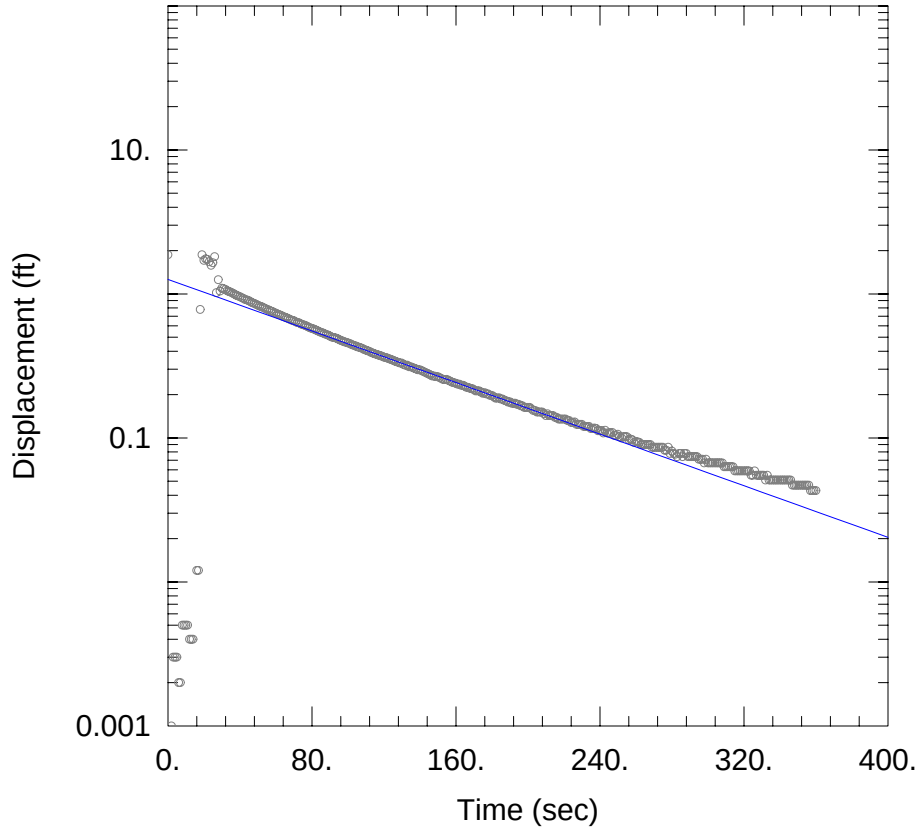
ARCADIS

FIGURE
9-4

Table 5.1a
Groundwater Velocity - Intermediate Zone
MCA Barracks, Hunter Army Airfield

Well		K (ft/day)	NW Gradient	Porosity	Velocity (ft/day)	Velocity (ft/year)
HGL1-B	Slug In #1	0.808	0.01	0.25	0.03232	11.7968
	Slug Out #1	0.814	0.01	0.25	0.03256	11.8844
HGL4-B	Slug In #1	3.211	0.01	0.25	0.12844	46.8806
	Slug In #2	3.301	0.01	0.25	0.13204	48.1946
	Slug Out #1	3.122	0.01	0.25	0.12488	45.5812
	Slug Out #2	3.508	0.01	0.25	0.14032	51.2168
HGL5-B	Slug In #1	0.9968	0.01	0.25	0.039872	14.55328
	Slug In #2	0.6287	0.01	0.25	0.025148	9.17902
	Slug Out #1	0.5694	0.01	0.25	0.022776	8.31324
	Slug Out #2	0.7981	0.01	0.25	0.031924	11.65226
HGL6-B	Slug In #1	4.605	0.01	0.25	0.1842	67.233
	Slug In #2	3.848	0.01	0.25	0.15392	56.1808
	Slug Out #1	5.581	0.01	0.25	0.22324	81.4826
	Slug Out #2	5.915	0.01	0.25	0.2366	86.359
HGL7-B	Slug In #1	1.273	0.01	0.25	0.05092	18.5858
	Slug In #2	1.108	0.01	0.25	0.04432	16.1768
	Slug Out #1	5.805	0.01	0.25	0.2322	84.753
	Slug Out #2	5.824	0.01	0.25	0.23296	85.0304
HGL10-B	Slug In #1	6.262	0.01	0.25	0.25048	91.4252
	Slug In #2	6.595	0.01	0.25	0.2638	96.287
	Slug Out #1	10.8	0.01	0.25	0.432	157.68

Note:
Groundwater Velocity = (K) x (NW Gradient)/(effective porosity)



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL1-Bin1.aqt
Date: 01/19/07 Time: 12:58:47

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL1-B(in)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.8088 ft/day
y0 = 1.262 ft

AQUIFER DATA

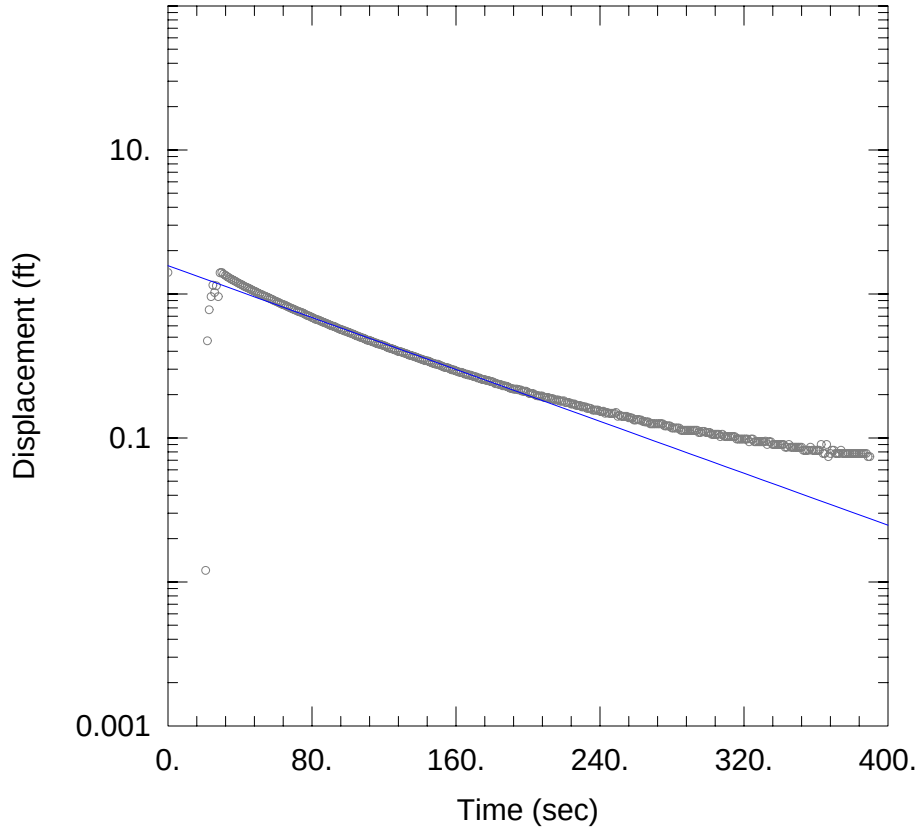
Saturated Thickness: 20.45 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-1B)

Initial Displacement: 1.871 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.45 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL1-Bout1.aqt
Date: 01/19/07 Time: 12:57:25

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL1-B(out)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

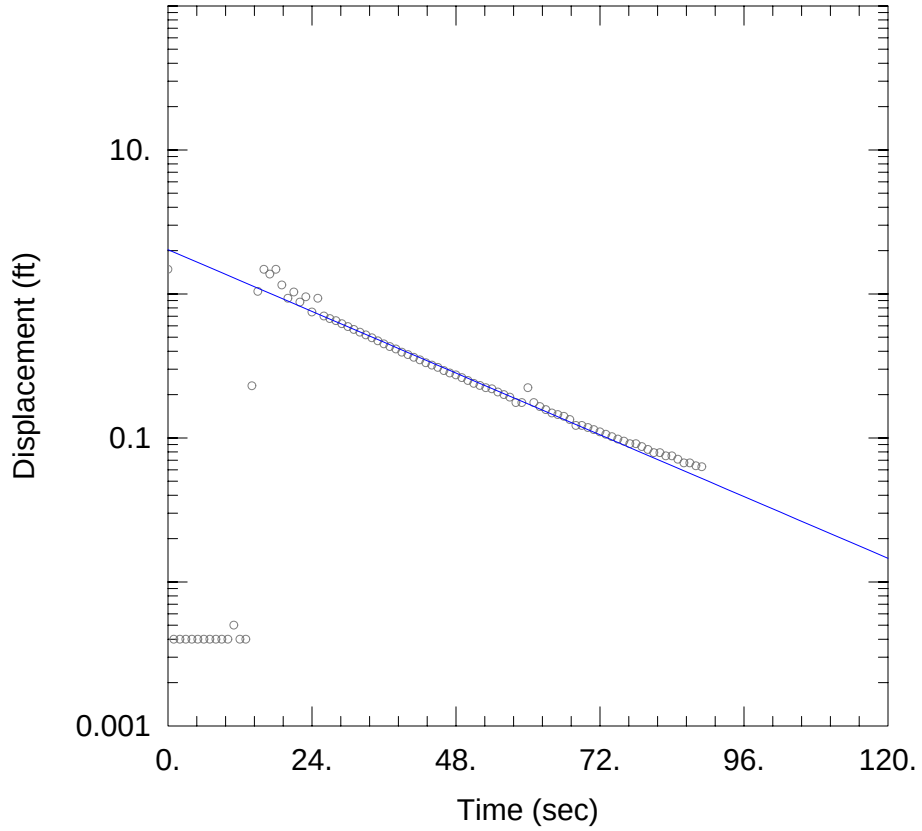
K = 0.8137 ft/day
y0 = 1.572 ft

AQUIFER DATA

Saturated Thickness: 20.45 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-1B)

Initial Displacement: 1.407 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.45 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-B(in)1.aqt
Date: 01/19/07 Time: 13:01:21

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4B(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

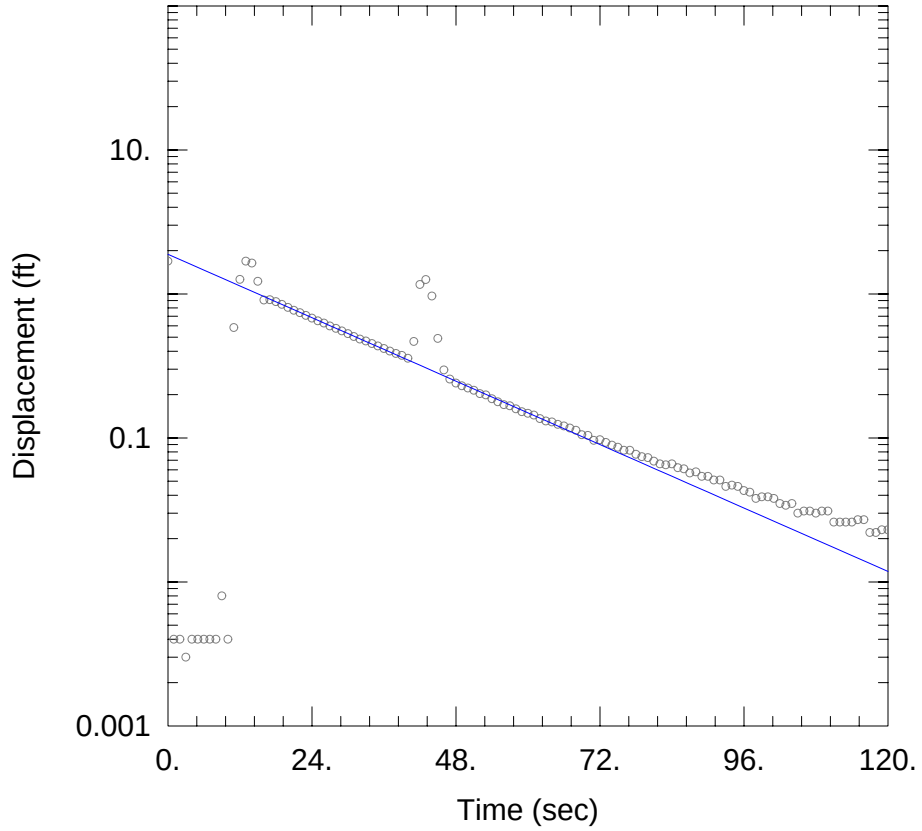
K = 3.211 ft/day
y0 = 2.03 ft

AQUIFER DATA

Saturated Thickness: 20.03 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4B(in)1)

Initial Displacement: 1.481 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.03 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-B(in)2.aqt
Date: 01/19/07 Time: 13:02:05

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4B(in)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 3.301 ft/day
y0 = 1.886 ft

AQUIFER DATA

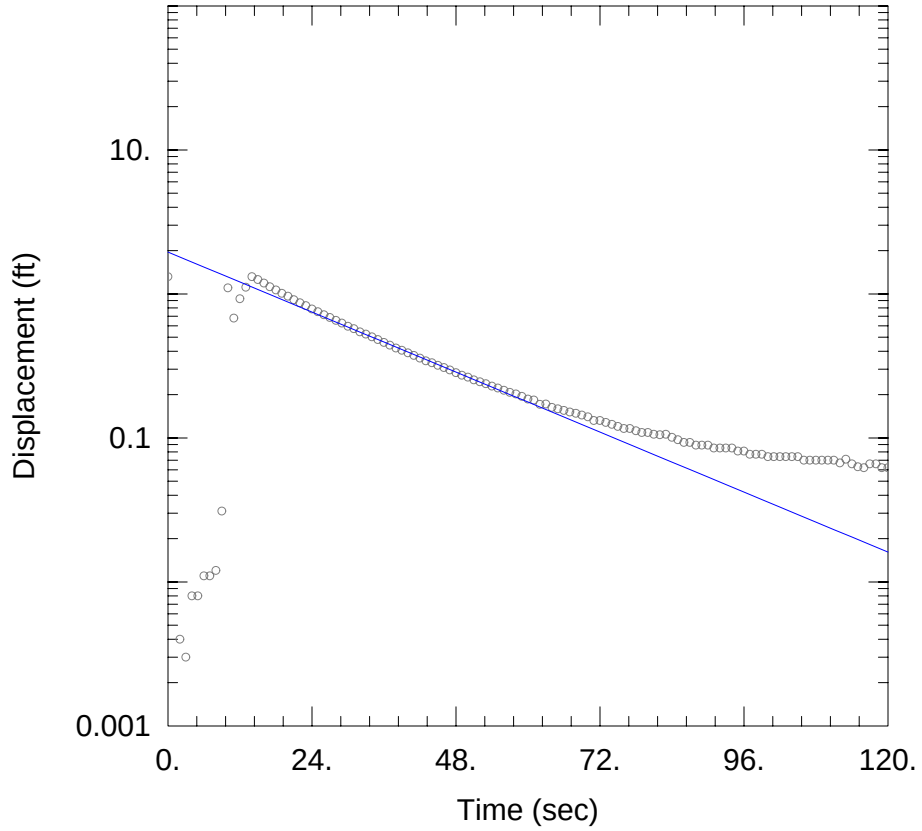
Saturated Thickness: 20.03 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4B(in)2)

Initial Displacement: 1.686 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.03 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-B(out)1.aqt
Date: 01/19/07 Time: 13:04:22

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4B(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

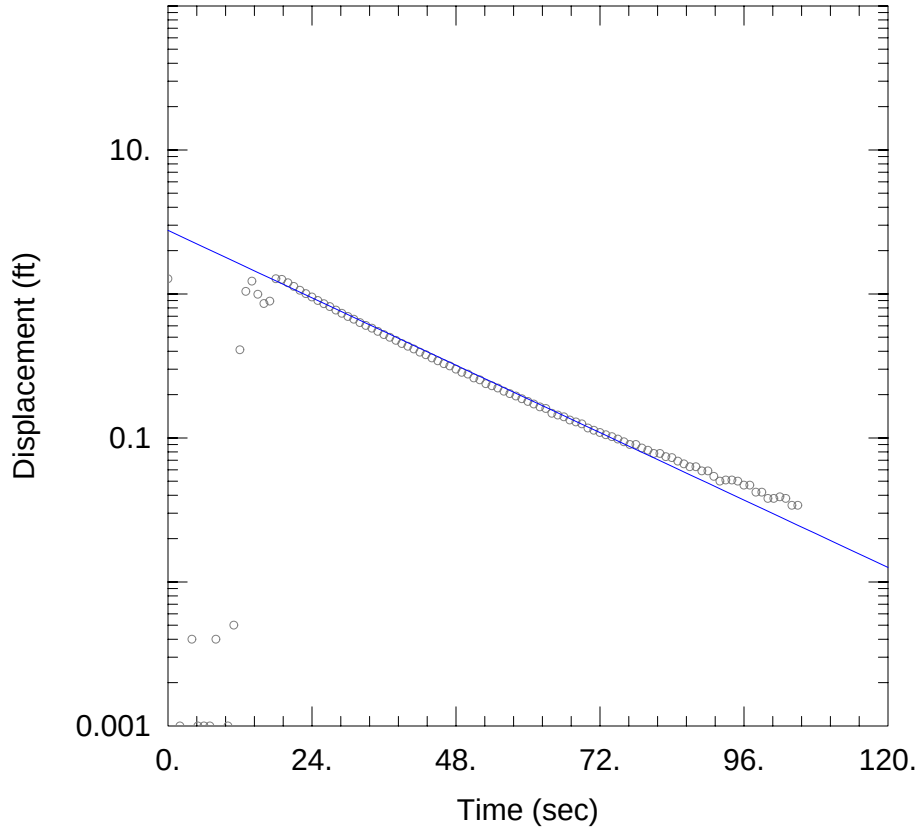
K = 3.122 ft/day
y0 = 1.953 ft

AQUIFER DATA

Saturated Thickness: 20.03 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4B(out)1)

Initial Displacement: 1.317 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.03 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-B(out)2.aqt
Date: 01/19/07 Time: 13:04:56

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4B(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

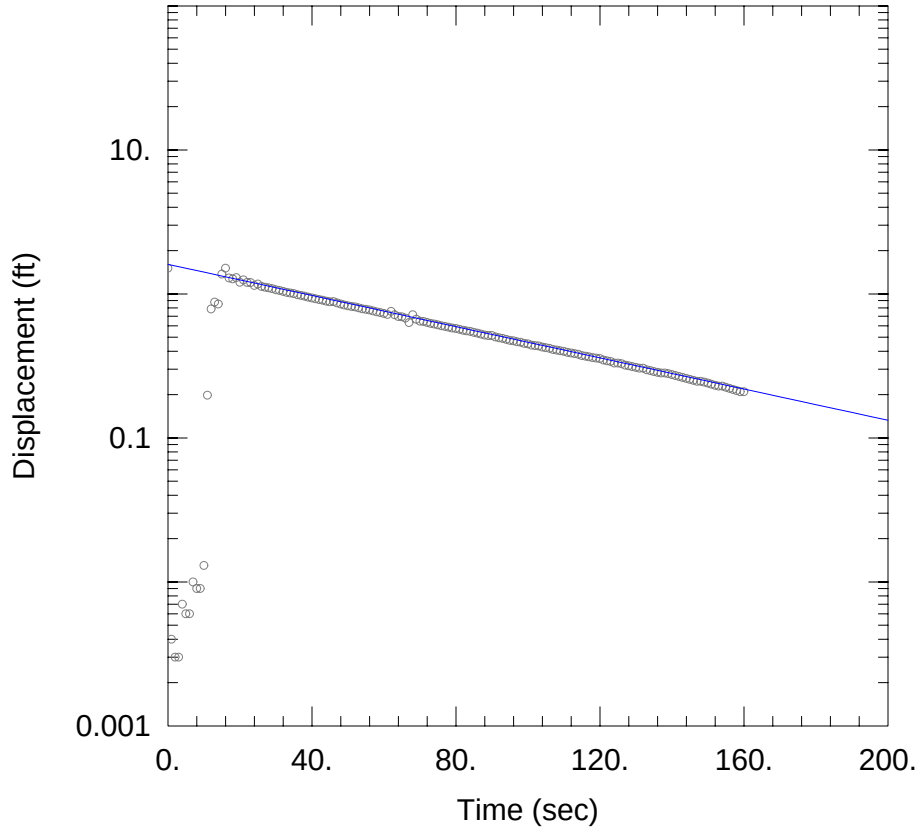
K = 3.508 ft/day
y0 = 2.762 ft

AQUIFER DATA

Saturated Thickness: 20.03 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4B(out)2)

Initial Displacement: 1.274 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.03 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-B(in)1.aqt
Date: 01/19/07 Time: 13:02:46

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5B(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

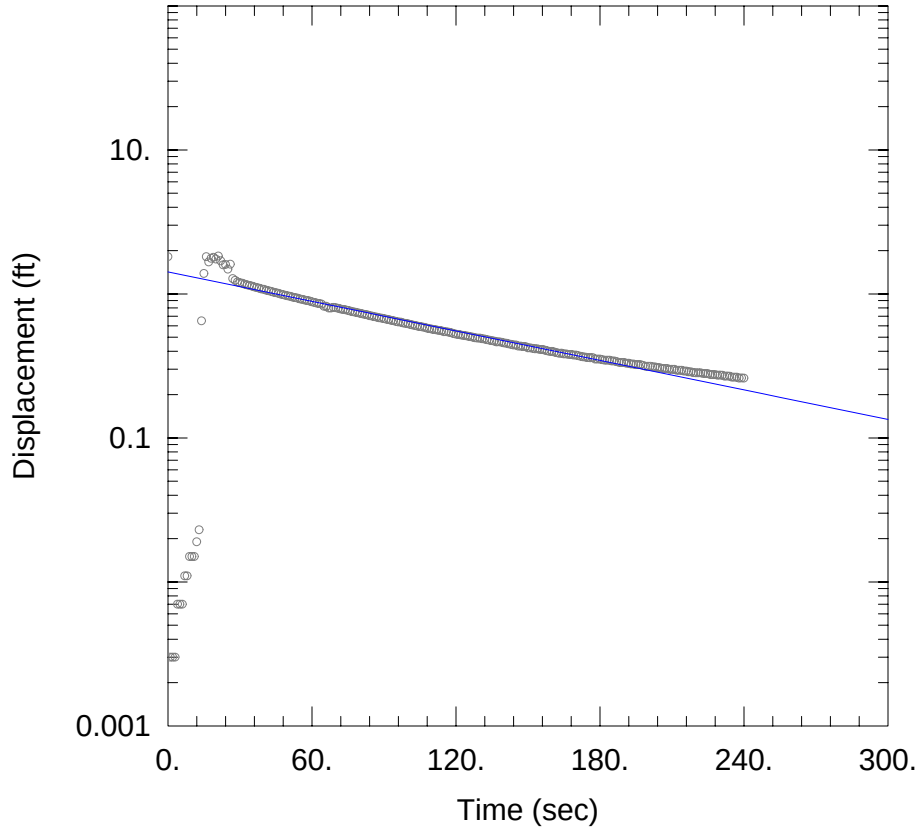
K = 0.9968 ft/day
y0 = 1.605 ft

AQUIFER DATA

Saturated Thickness: 22.46 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5B(in)1)

Initial Displacement: 1.507 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 22.46 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-B(in)2.aqt
Date: 01/19/07 Time: 13:05:42

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5B(in)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.6287 ft/day
y0 = 1.422 ft

AQUIFER DATA

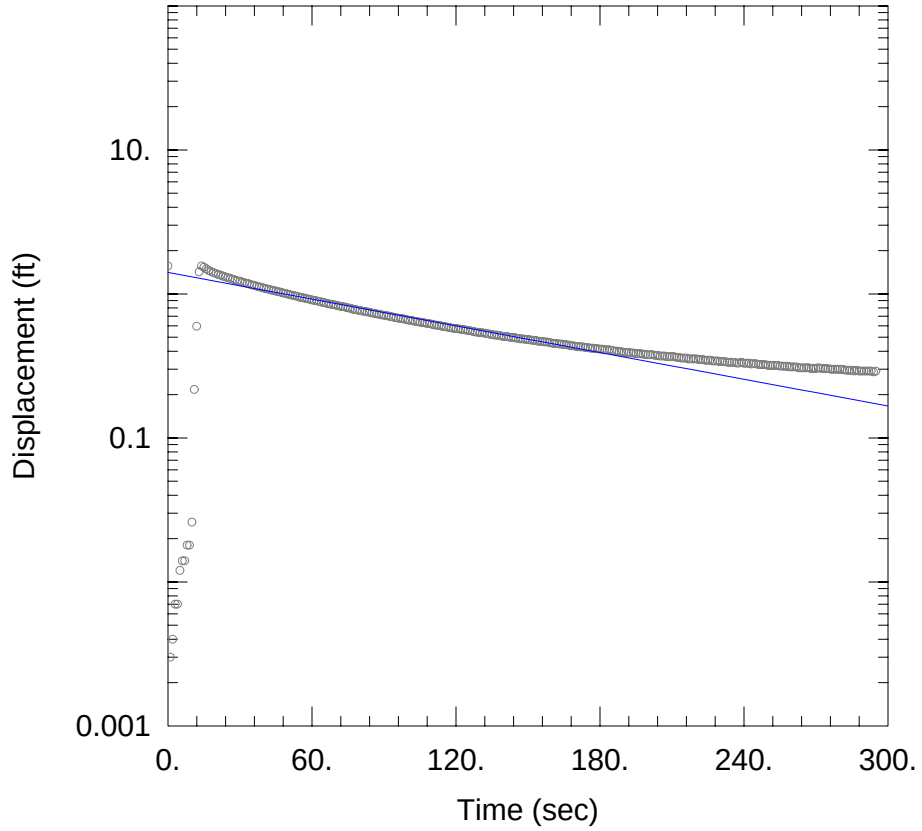
Saturated Thickness: 22.46 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5B(in)2)

Initial Displacement: 1.811 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 22.46 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-B(out)1.aqt
Date: 01/19/07 Time: 13:11:07

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5B(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

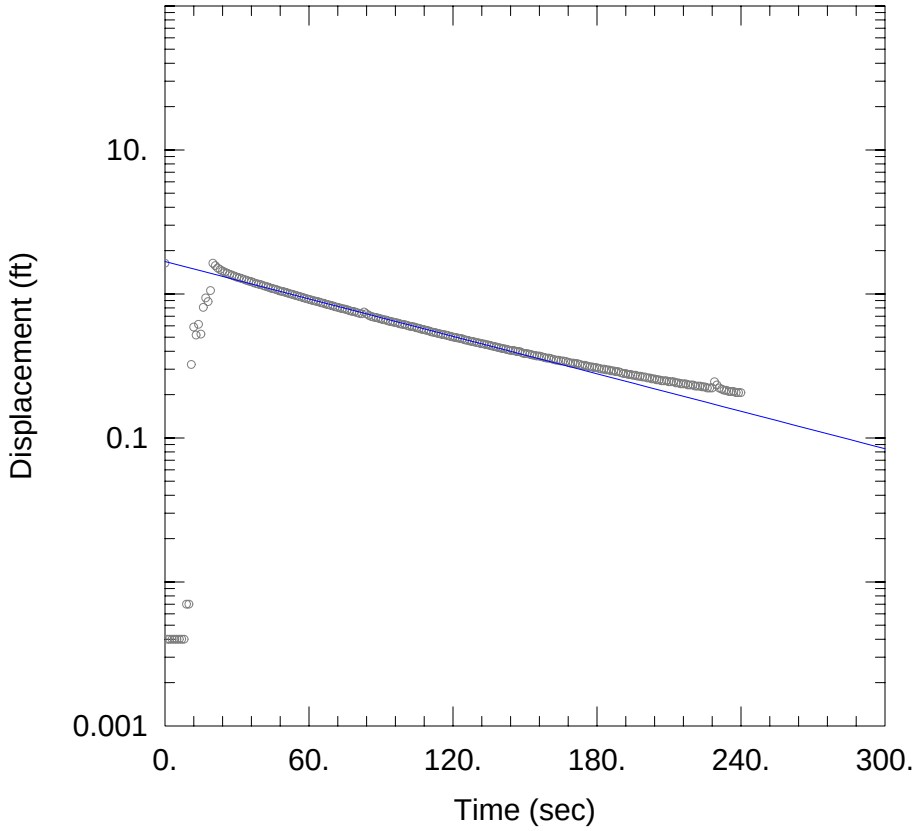
K = 0.5694 ft/day
y0 = 1.41 ft

AQUIFER DATA

Saturated Thickness: 22.46 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5B(out)1)

Initial Displacement: 1.561 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 22.46 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-B(out)2.aqt
Date: 01/19/07 Time: 13:10:34

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5B(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

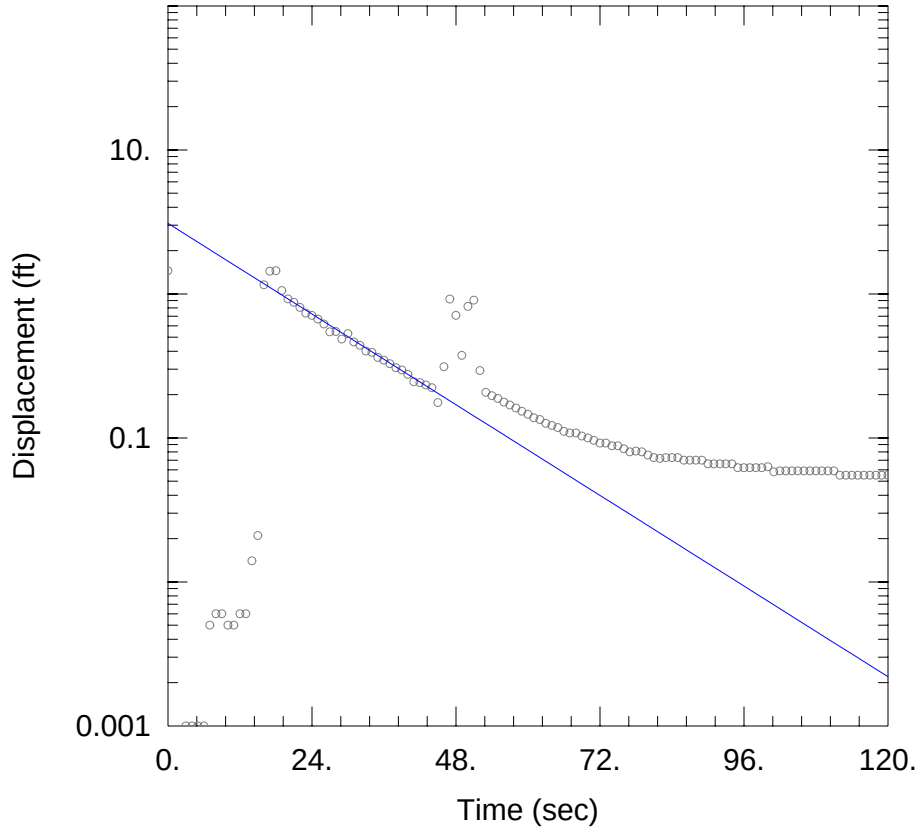
K = 0.7981 ft/day
y0 = 1.68 ft

AQUIFER DATA

Saturated Thickness: 22.46 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5B(out)2)

Initial Displacement: 1.632 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 22.46 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-B(in)1.aqt
Date: 01/19/07 Time: 13:09:48

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6B(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

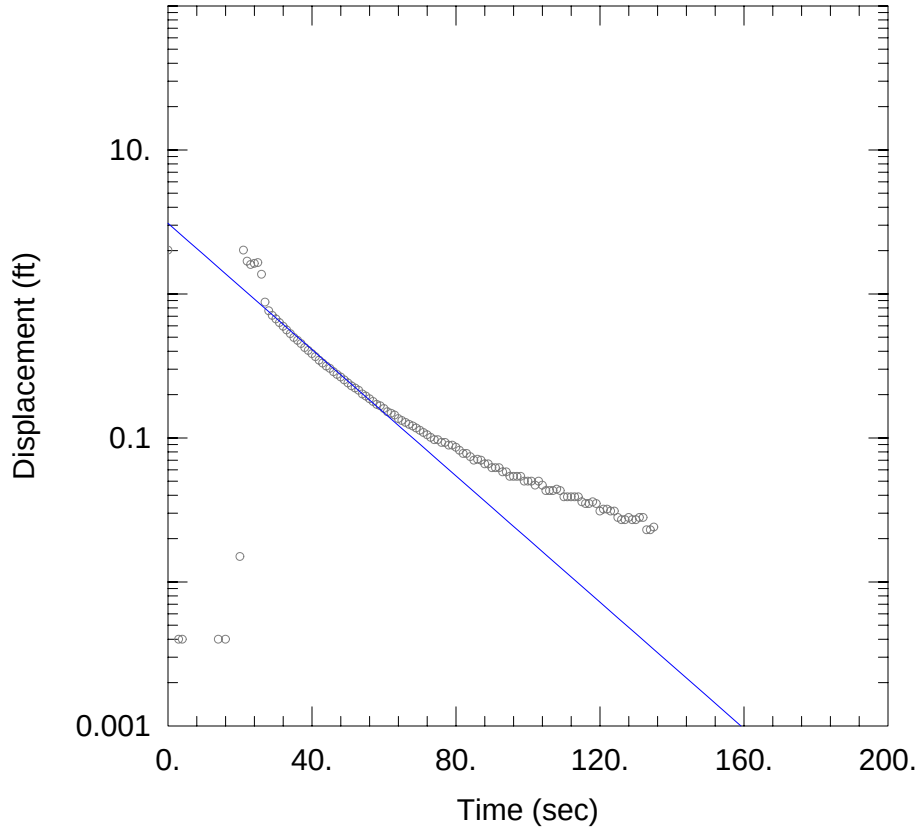
K = 4.605 ft/day
y0 = 3.093 ft

AQUIFER DATA

Saturated Thickness: 17.9 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6B(in)1)

Initial Displacement: 1.447 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 17.9 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-B(in)2.aqt
Date: 01/19/07 Time: 13:09:17

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6B(in)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

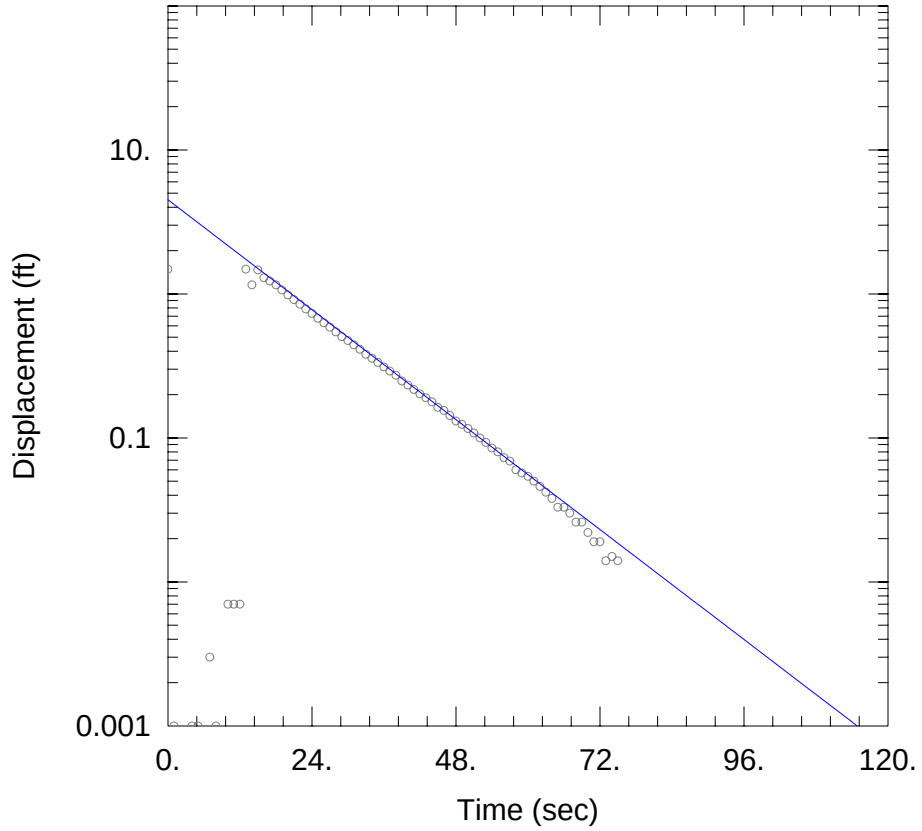
K = 3.848 ft/day
y0 = 3.095 ft

AQUIFER DATA

Saturated Thickness: 17.9 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6B(in)2)

Initial Displacement: 2.014 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 17.9 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-B(out)1.aqt
Date: 01/19/07 Time: 13:08:35

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6B(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 5.581 ft/day
y0 = 4.504 ft

AQUIFER DATA

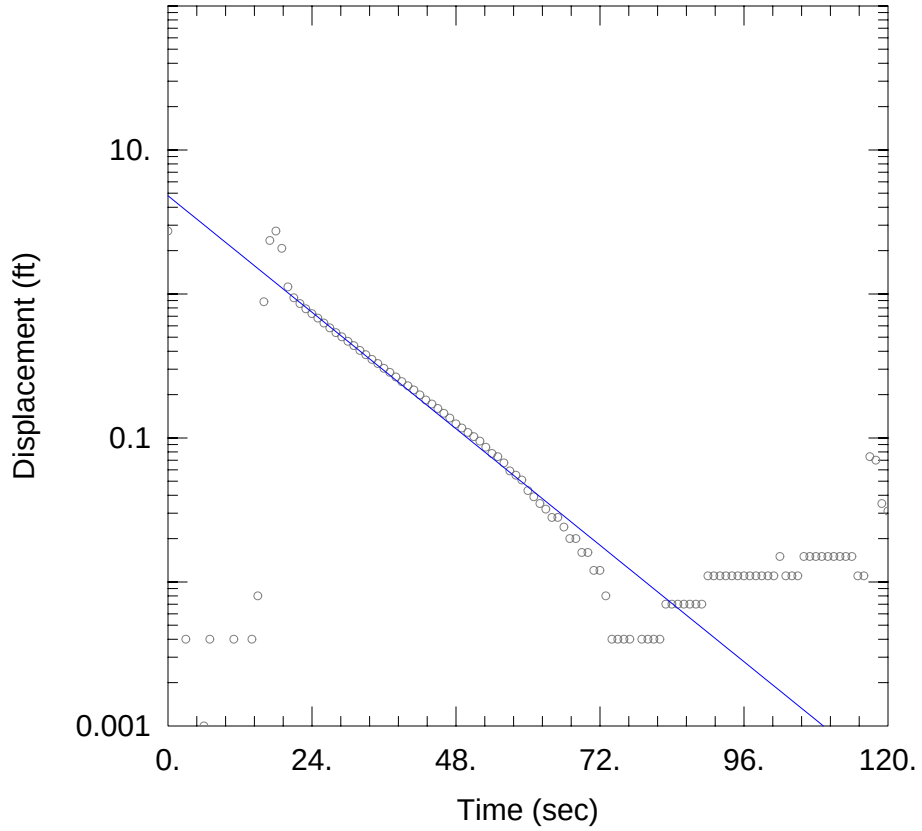
Saturated Thickness: 17.9 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6B(out)1)

Initial Displacement: 1.483 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 17.9 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-B(out)2.aqt
Date: 01/19/07 Time: 13:08:02

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6B(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

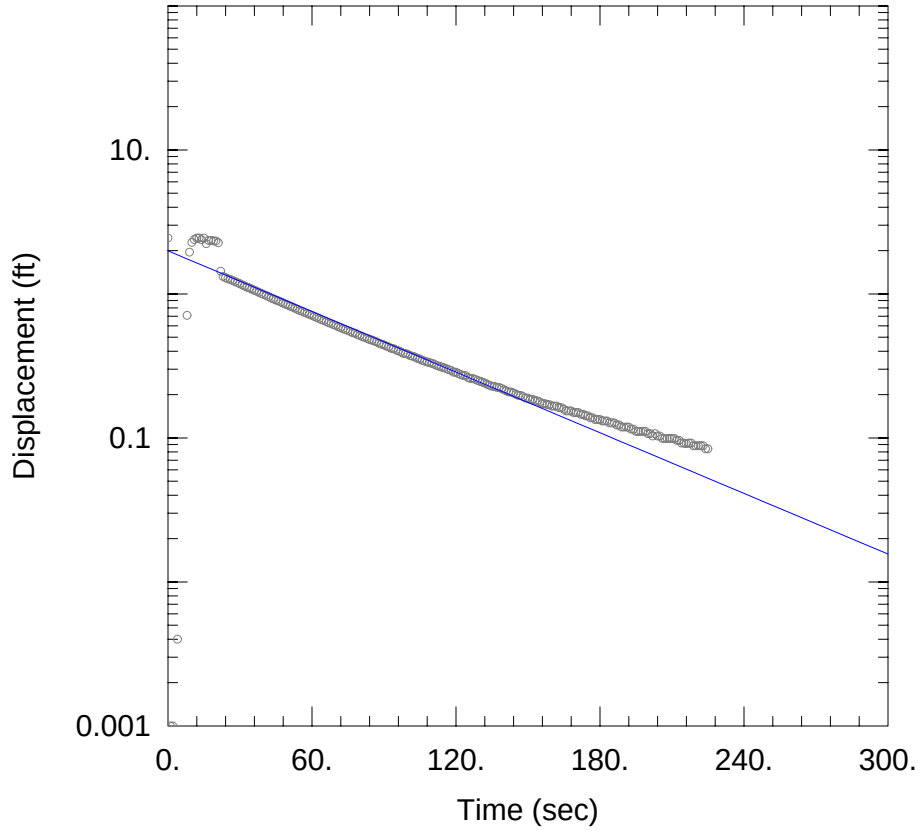
K = 5.915 ft/day
y0 = 4.803 ft

AQUIFER DATA

Saturated Thickness: 17.9 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6B(out)2)

Initial Displacement: 2.727 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 17.9 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Bin1.aqt
Date: 01/19/07 Time: 12:59:31

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7B(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

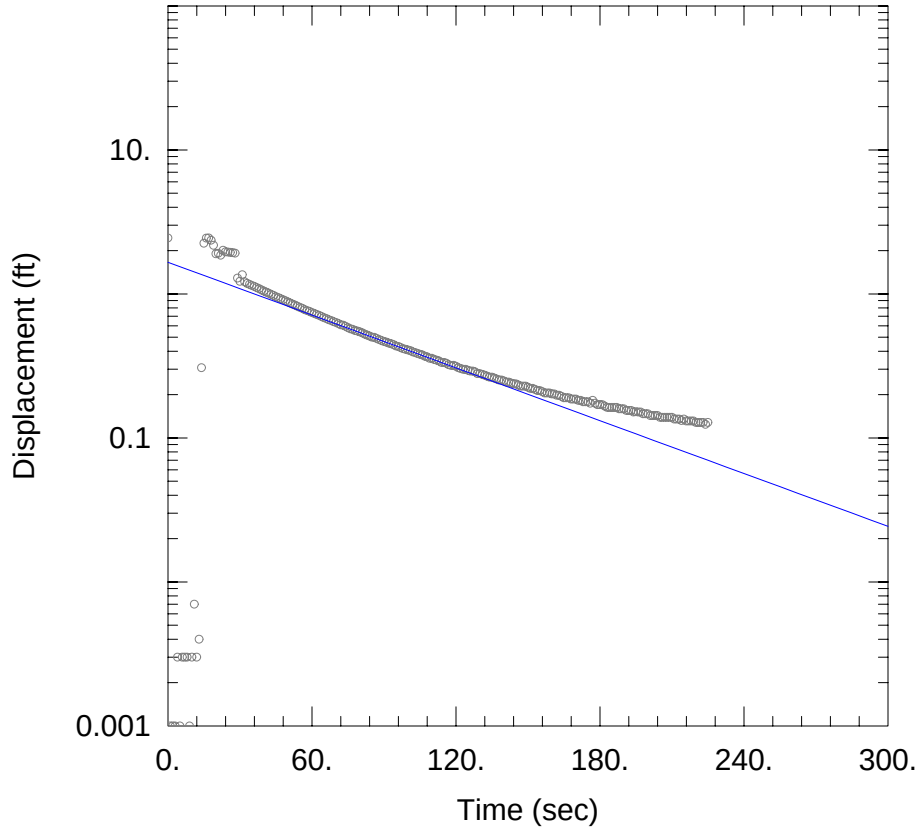
K = 1.273 ft/day
y0 = 1.992 ft

AQUIFER DATA

Saturated Thickness: 20.85 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7B(in)1)

Initial Displacement: 2.446 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Bin2.aqt
Date: 01/19/07 Time: 13:00:37

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7B(in)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

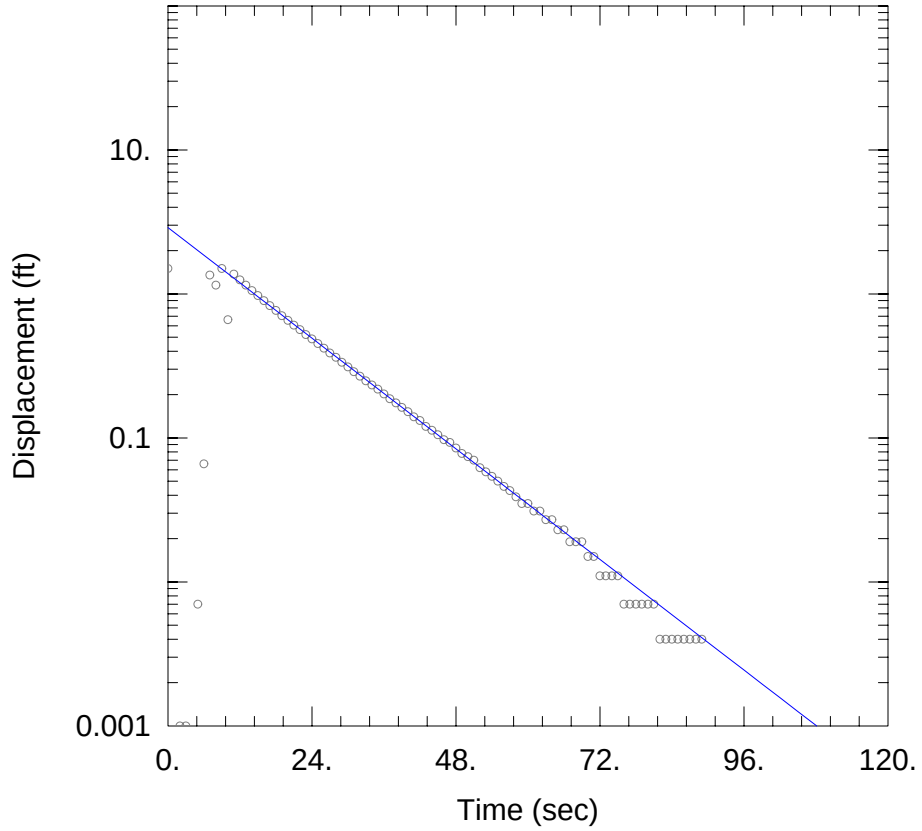
K = 1.108 ft/day
y0 = 1.659 ft

AQUIFER DATA

Saturated Thickness: 20.85 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7B(in)2)

Initial Displacement: 2.445 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Bout1r1.aqt
Date: 01/19/07 Time: 12:52:07

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7B(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

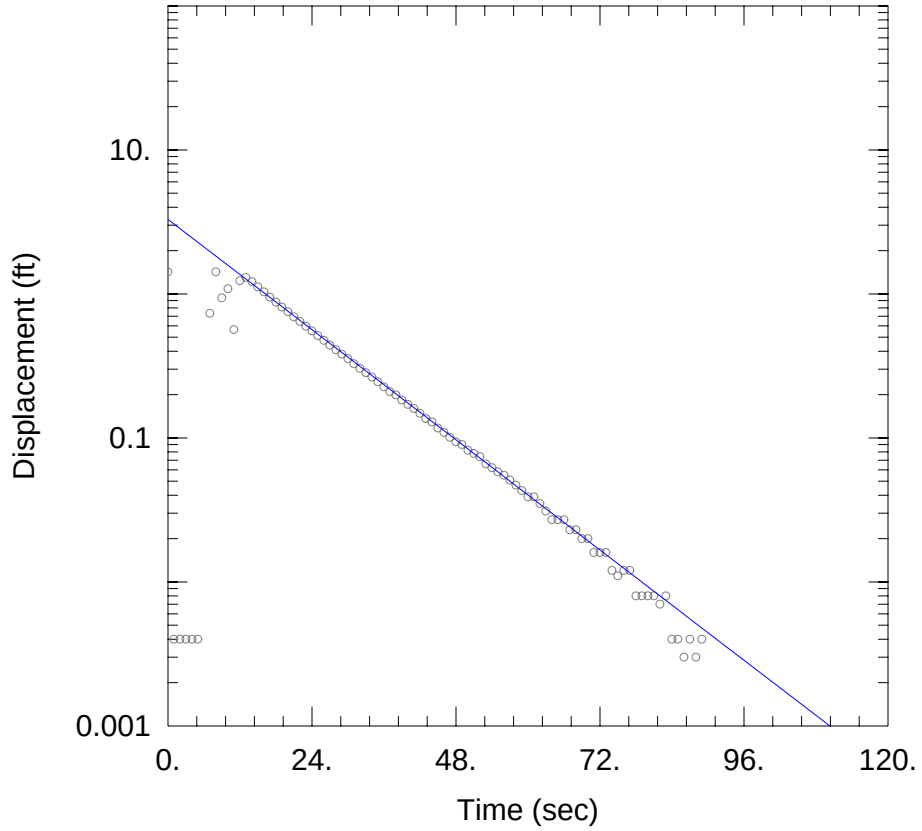
K = 5.805 ft/day
y0 = 2.89 ft

AQUIFER DATA

Saturated Thickness: 20.85 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7B(o)1r)

Initial Displacement: 1.499 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Bout2.aqt
Date: 01/19/07 Time: 12:55:33

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7B(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

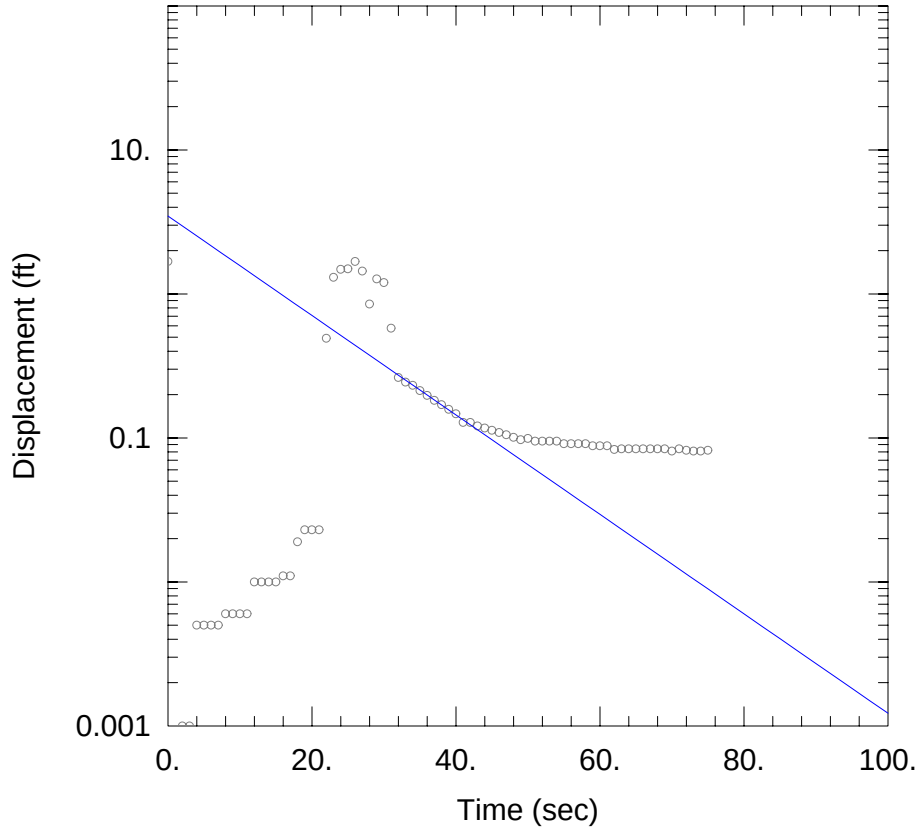
K = 5.824 ft/day
y0 = 3.292 ft

AQUIFER DATA

Saturated Thickness: 20.85 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7B(out)2)

Initial Displacement: 1.422 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.0833 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Bin1.aqt
Date: 01/19/07 Time: 13:06:21

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-B(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

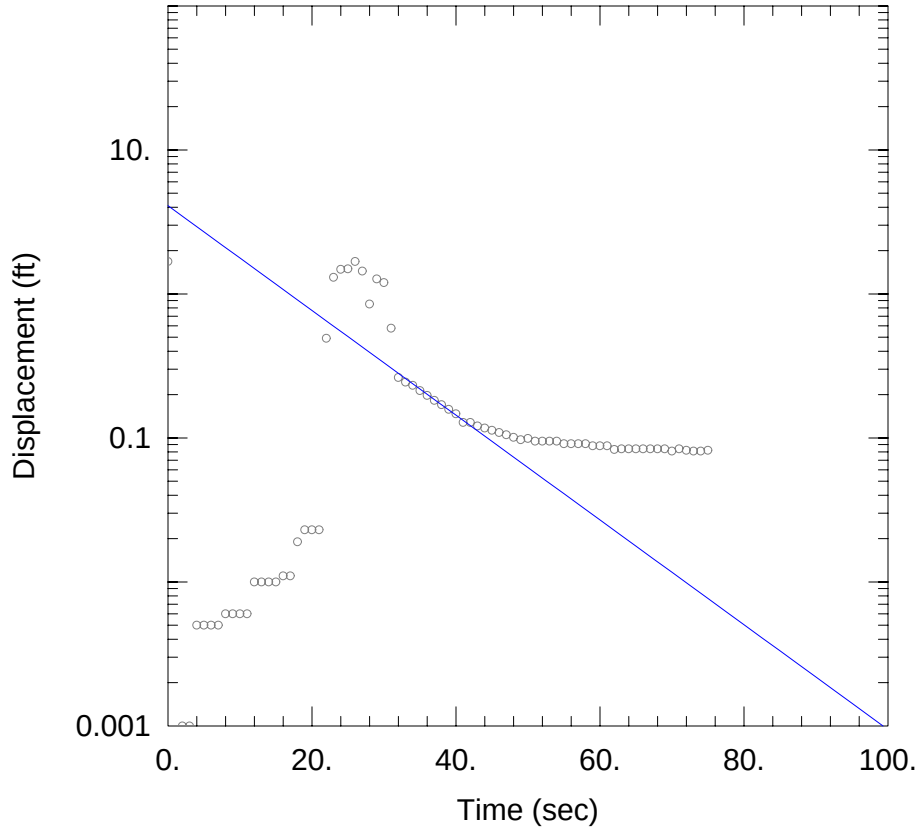
K = 6.262 ft/day
y0 = 3.474 ft

AQUIFER DATA

Saturated Thickness: 20.85 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-10B)

Initial Displacement: 1.68 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Bin2.aqt
Date: 01/19/07 Time: 13:16:04

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-B(in)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

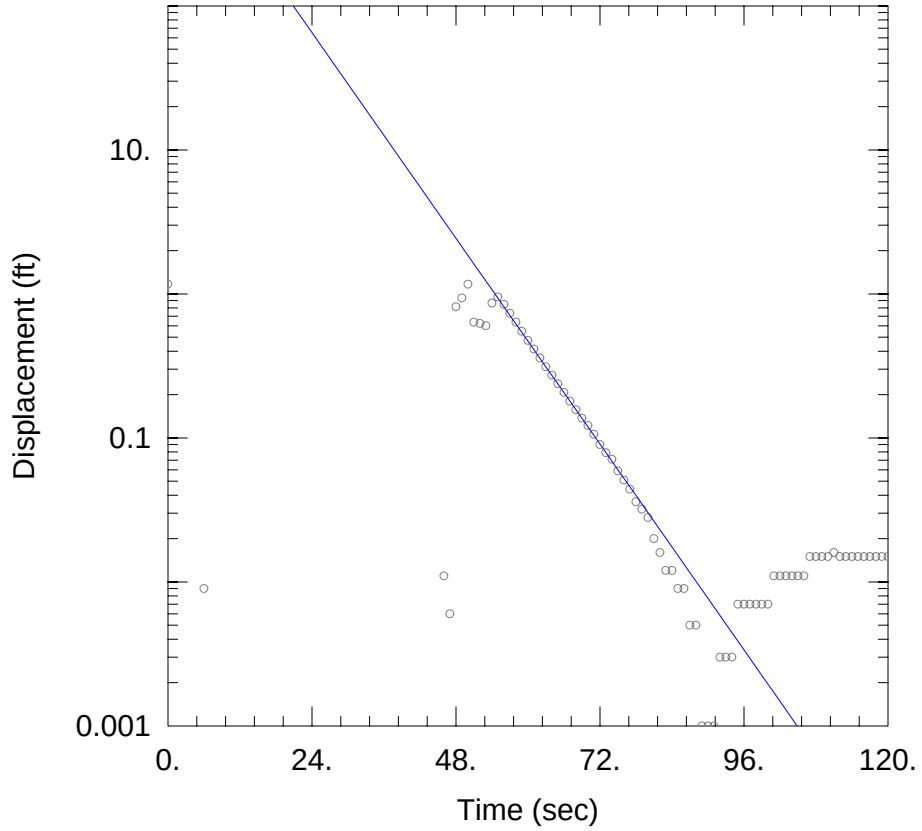
K = 6.595 ft/day
y0 = 4.099 ft

AQUIFER DATA

Saturated Thickness: 20.85 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-10B)

Initial Displacement: 1.68 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Bout1.aqt
Date: 01/19/07 Time: 13:15:22

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-B(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 10.8 ft/day
y0 = 1753. ft

AQUIFER DATA

Saturated Thickness: 20.85 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-10B)

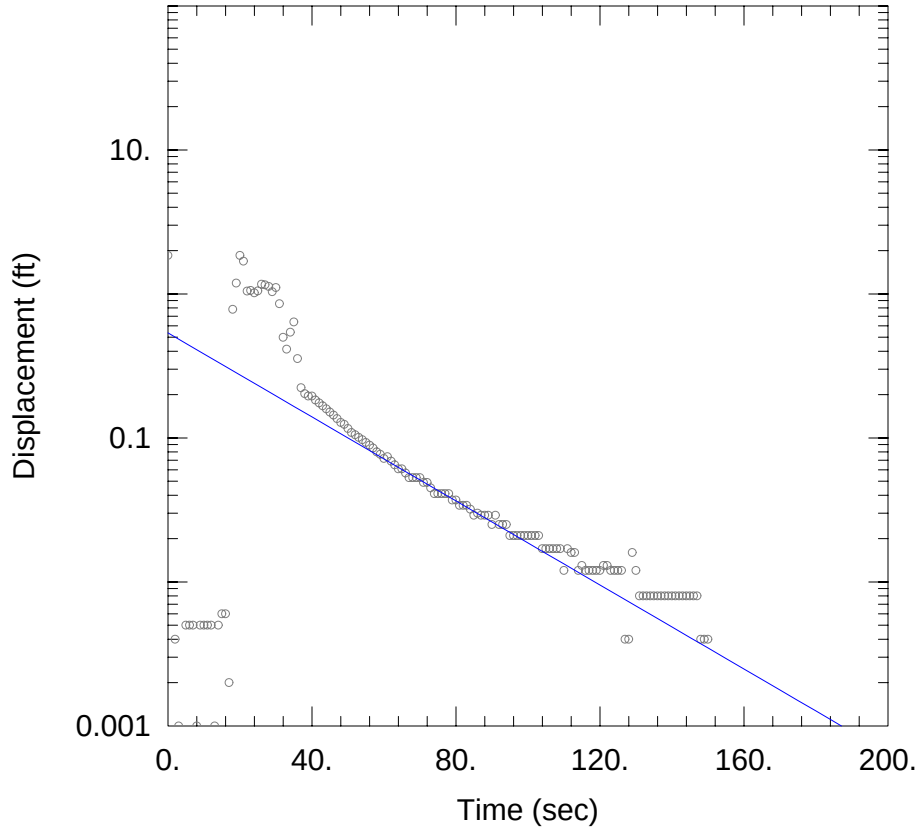
Initial Displacement: 1.166 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 20.85 ft

Table 5.1b
Groundwater Velocity - Deep Zone
MCA Barracks, Hunter Army Airfield

Well		K (ft/day)	NW Gradient	Porosity	Velocity (ft/day)	Velocity (ft/year)
HGL1-C	Slug In #1	2.838	0.01	0.25	0.11352	41.4348
	Slug Out #1	4.505	0.01	0.25	0.1802	65.773
HGL4-C	Slug In #1	16.84	0.01	0.25	0.6736	245.864
	Slug In #2	16.15	0.01	0.25	0.646	235.79
	Slug Out #1	10.92	0.01	0.25	0.4368	159.432
	Slug Out #2	12.15	0.01	0.25	0.486	177.39
HGL5-C	Slug In #1	1.47	0.01	0.25	0.0588	21.462
	Slug In #2	1.408	0.01	0.25	0.05632	20.5568
	Slug Out #1	0.756	0.01	0.25	0.03024	11.0376
	Slug Out #2	1.57	0.01	0.25	0.0628	22.922
HGL6-C	Slug In #1	1.148	0.01	0.25	0.04592	16.7608
	Slug In #2	0.7004	0.01	0.25	0.028016	10.22584
	Slug Out #1	1.122	0.01	0.25	0.04488	16.3812
	Slug Out #2	0.705	0.01	0.25	0.0282	10.293
HGL7-C	Slug In #1	1.231	0.01	0.25	0.04924	17.9726
	Slug In #2	1.219	0.01	0.25	0.04876	17.7974
	Slug Out #1	0.8907	0.01	0.25	0.035628	13.00422
	Slug Out #2	1.011	0.01	0.25	0.04044	14.7606
HGL10-C	Slug In #1	16.77	0.01	0.25	0.6708	244.842
	Slug In #2	16.31	0.01	0.25	0.6524	238.126
	Slug Out #1	17.18	0.01	0.25	0.6872	250.828
	Slug Out #2	17.3	0.01	0.25	0.692	252.58

Note:
Groundwater Velocity = (K) x (NW Gradient)/(effective porosity)



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL1-Cin1.aqt
Date: 01/19/07 Time: 13:27:57

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL1-C(in)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

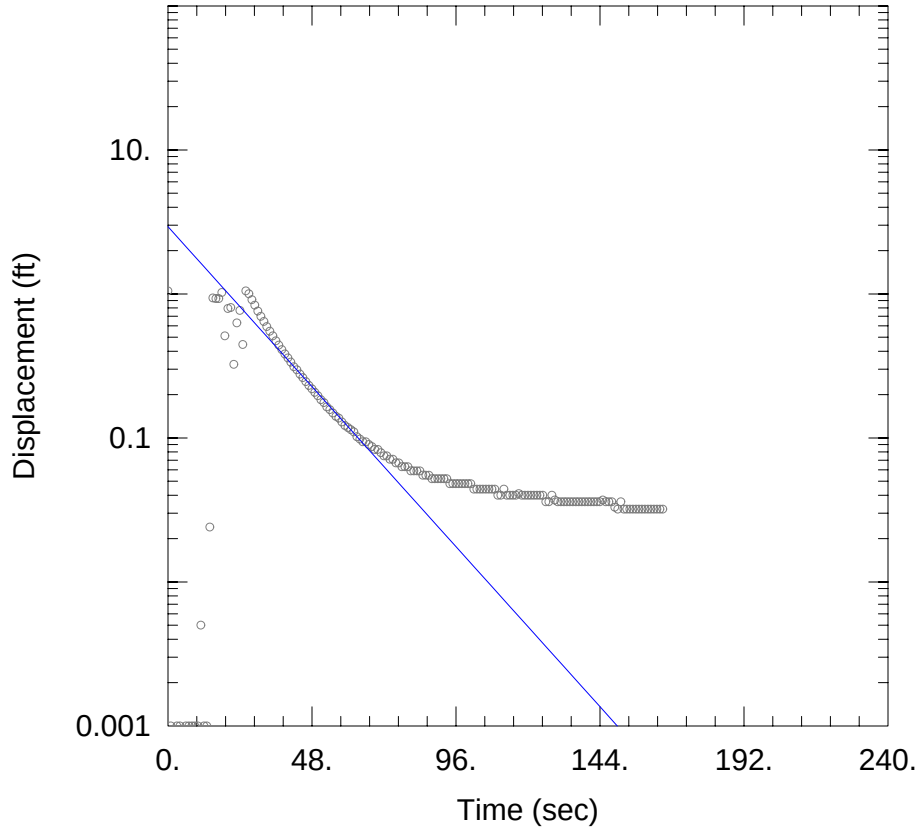
K = 2.838 ft/day
y0 = 0.536 ft

AQUIFER DATA

Saturated Thickness: 29.77 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-1C)

Initial Displacement: 1.848 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 29.77 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL1-Cout1.aqt
Date: 01/19/07 Time: 13:27:12

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL1-C(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

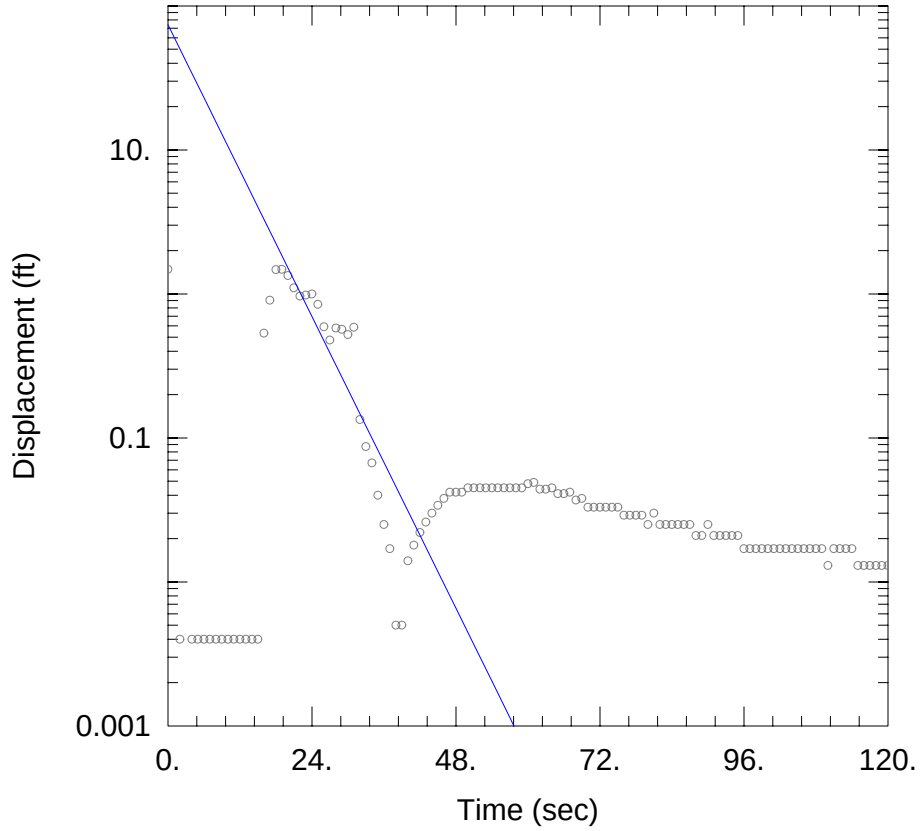
K = 4.505 ft/day
y0 = 2.934 ft

AQUIFER DATA

Saturated Thickness: 29.77 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-1C)

Initial Displacement: 1.049 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 29.77 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-C(in)1.aqt
Date: 01/19/07 Time: 13:24:44

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4C(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

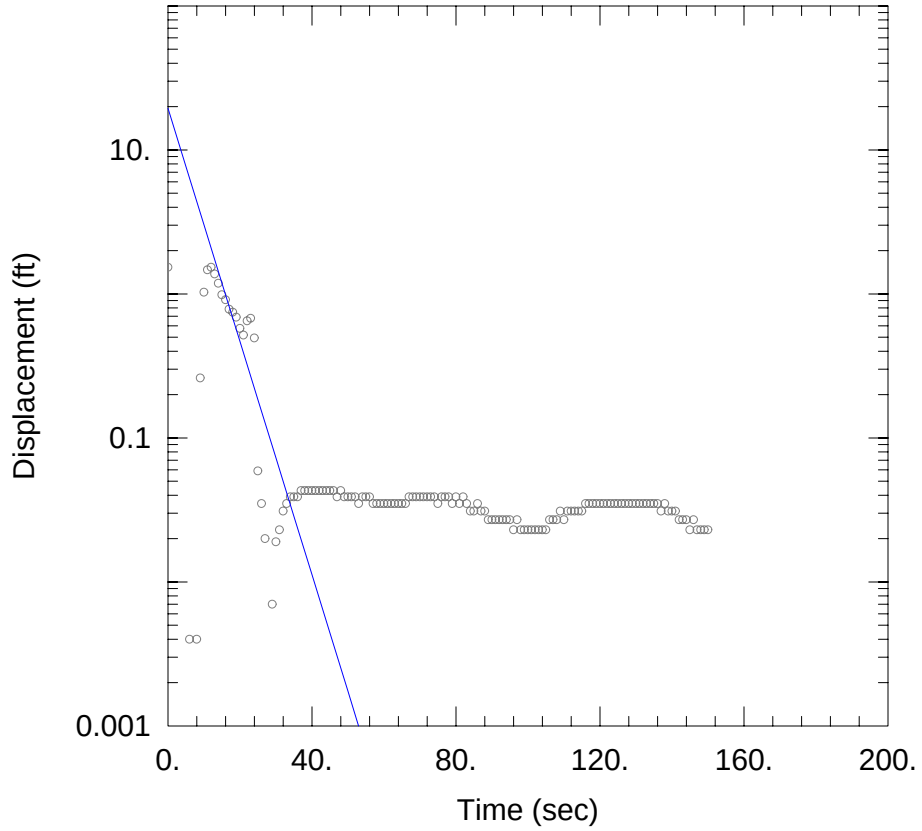
K = 16.84 ft/day
y0 = 73.96 ft

AQUIFER DATA

Saturated Thickness: 34.09 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4C(in)2)

Initial Displacement: 1.48 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 34.09 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-C(in)2.aqt
Date: 01/19/07 Time: 13:38:14

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4C(in)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 16.15 ft/day
y0 = 19.47 ft

AQUIFER DATA

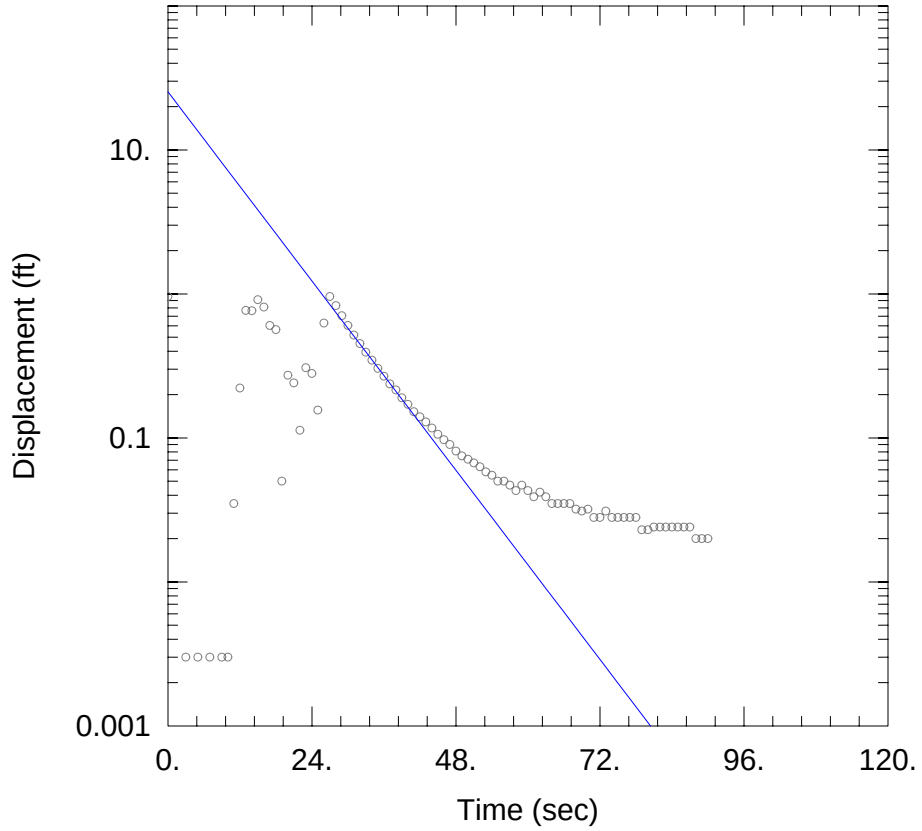
Saturated Thickness: 34.09 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4C(in)2)

Initial Displacement: 1.53 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 34.09 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-C(out)1.aqt
Date: 01/19/07 Time: 13:39:22

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4C(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

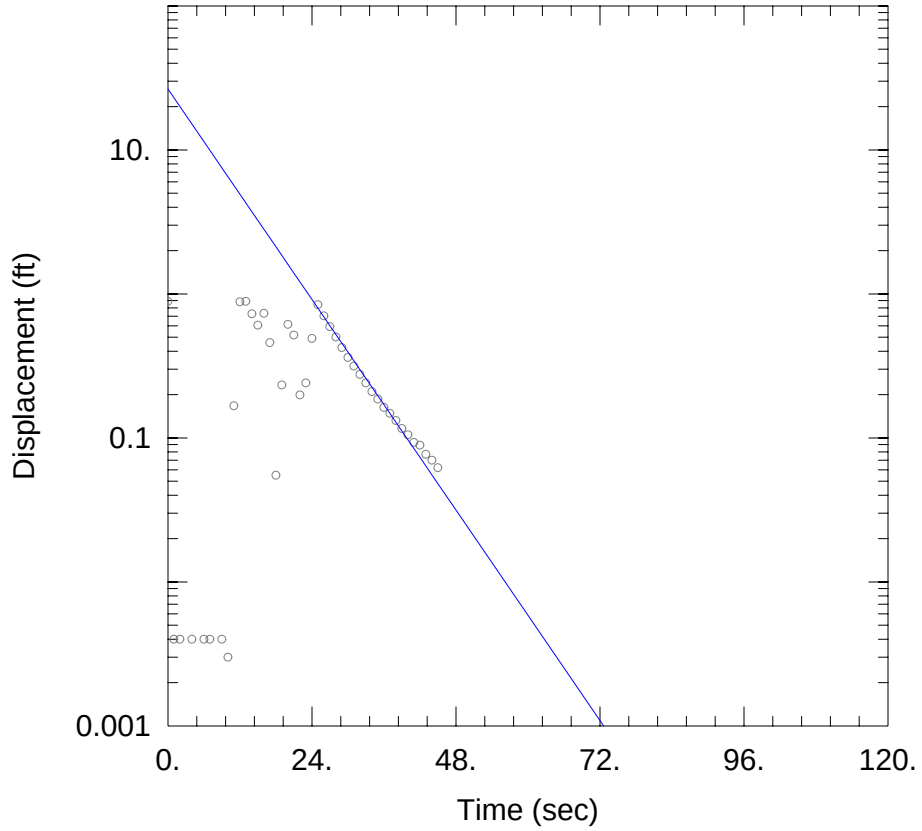
K = 10.92 ft/day
y0 = 25.32 ft

AQUIFER DATA

Saturated Thickness: 34.09 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4C(out)1)

Initial Displacement: 0.958 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 34.09 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL4-C(out)2.aqt
Date: 01/19/07 Time: 13:24:01

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-4C(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

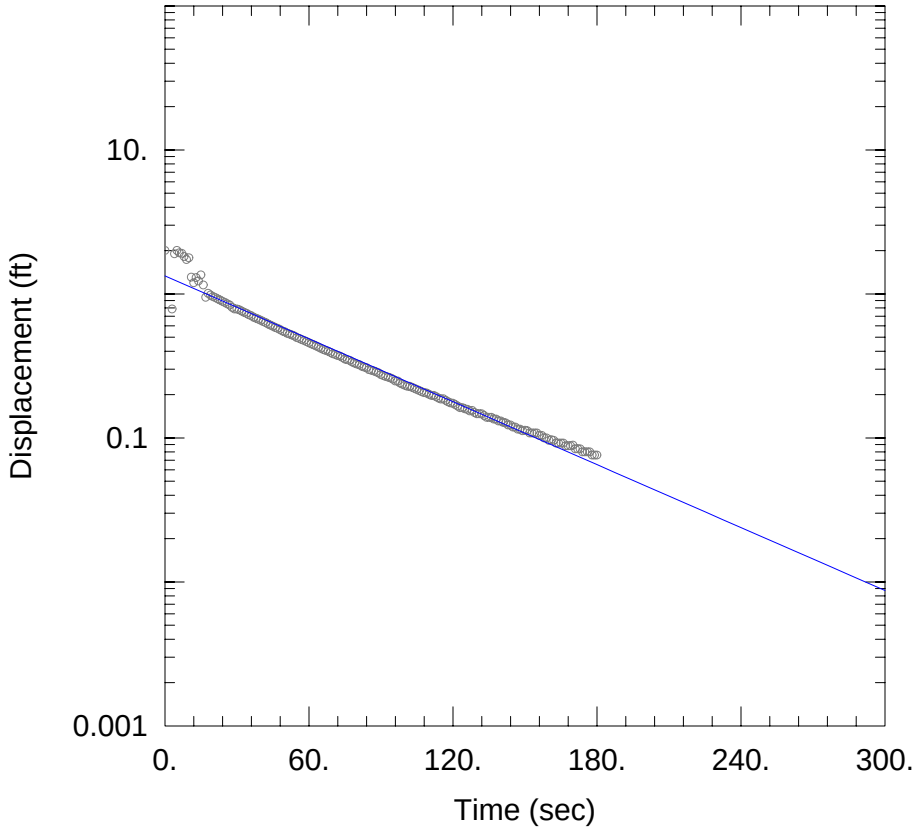
K = 12.15 ft/day
y0 = 26.49 ft

AQUIFER DATA

Saturated Thickness: 34.09 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-4C(out)2)

Initial Displacement: 0.888 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 34.09 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-C(in)1.aqt
Date: 01/19/07 Time: 13:33:01

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5C(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

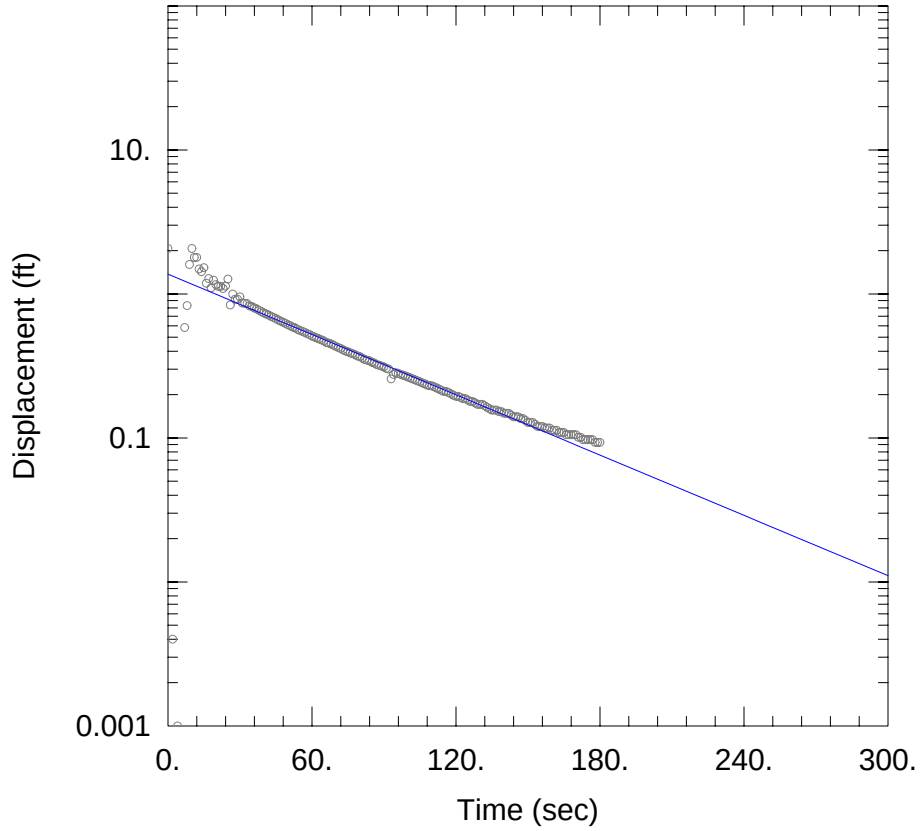
K = 1.47 ft/day
y0 = 1.335 ft

AQUIFER DATA

Saturated Thickness: 36.43 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5C(in)1)

Initial Displacement: 2.002 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 36.43 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-C(in)2.aqt
Date: 01/19/07 Time: 13:32:27

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5C(in)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

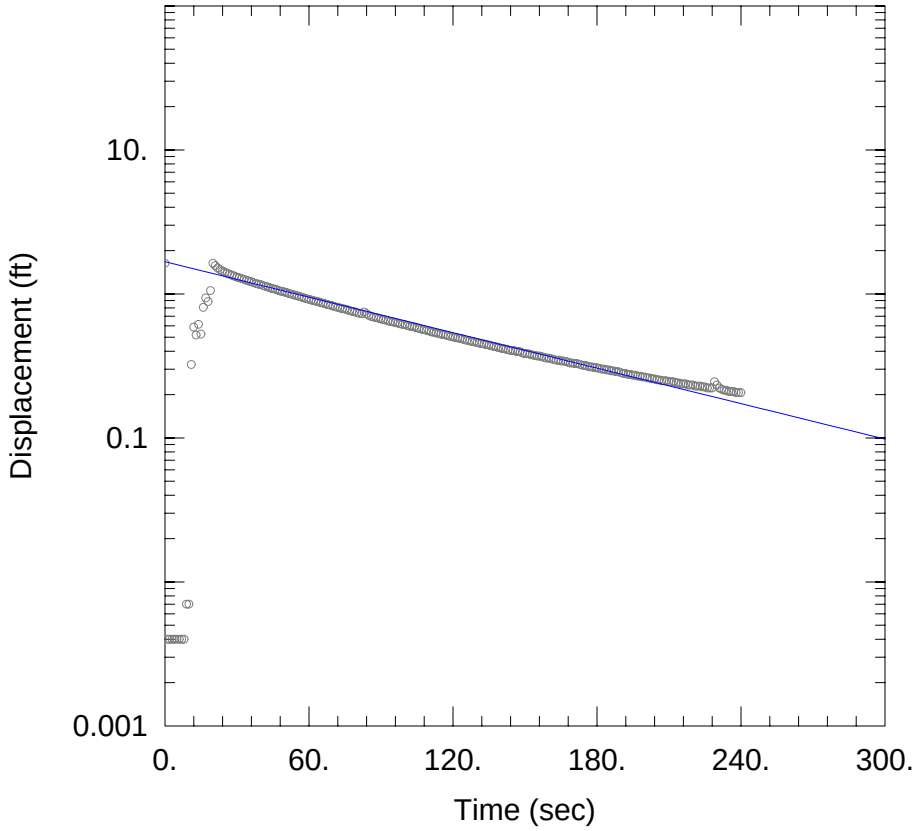
K = 1.408 ft/day
y0 = 1.371 ft

AQUIFER DATA

Saturated Thickness: 36.43 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5C(in)2)

Initial Displacement: 2.064 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 36.43 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-C(out)1.aqt
Date: 01/19/07 Time: 13:25:27

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5C(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

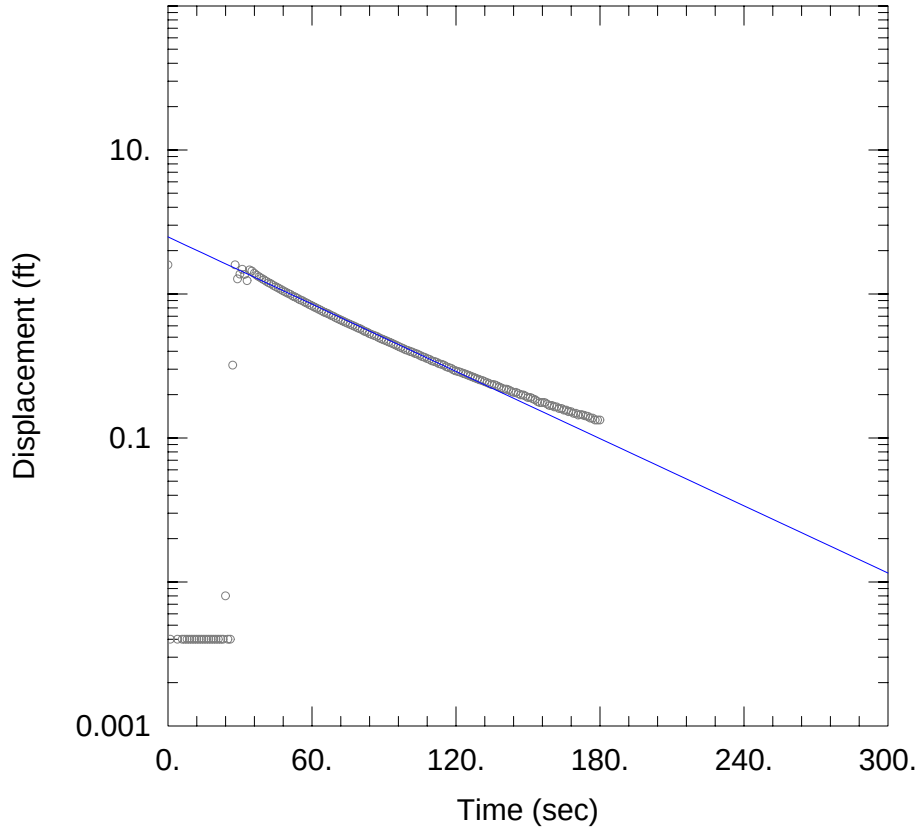
K = 0.756 ft/day
y0 = 1.674 ft

AQUIFER DATA

Saturated Thickness: 22.46 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5B(out)2)

Initial Displacement: 1.632 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 22.46 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL5-C(out)2.aqt
Date: 01/19/07 Time: 13:31:44

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-5C(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 1.57 ft/day
y0 = 2.487 ft

AQUIFER DATA

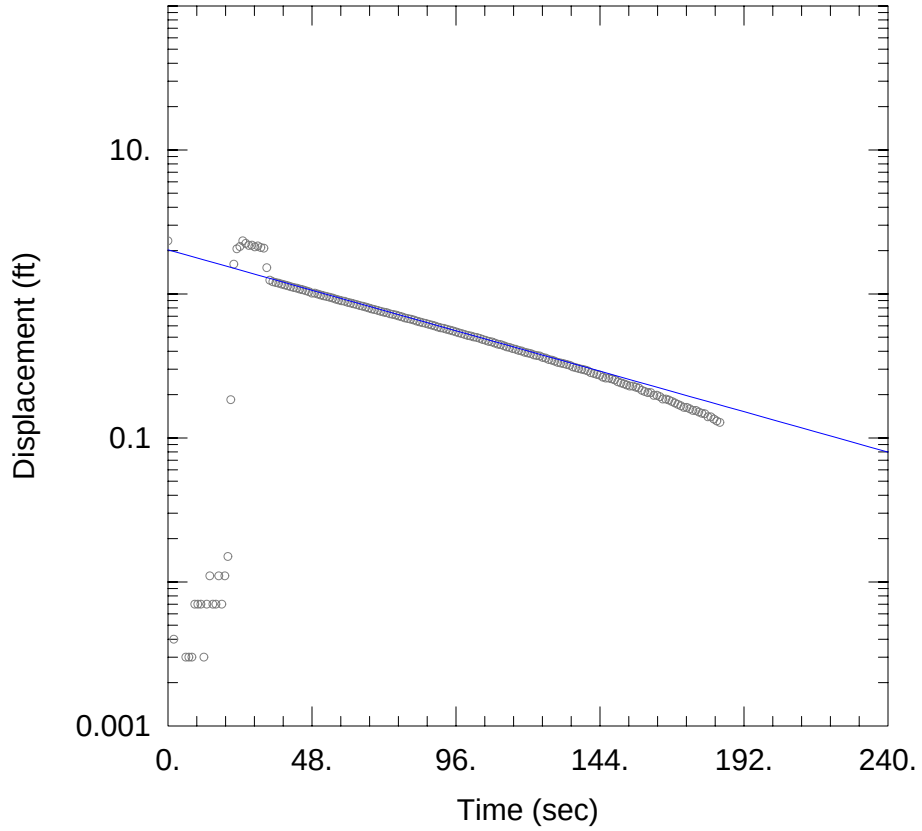
Saturated Thickness: 36.43 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-5C(out)2)

Initial Displacement: 1.589 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 36.43 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-C(in)1.aqt
Date: 01/19/07 Time: 13:31:00

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6C(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

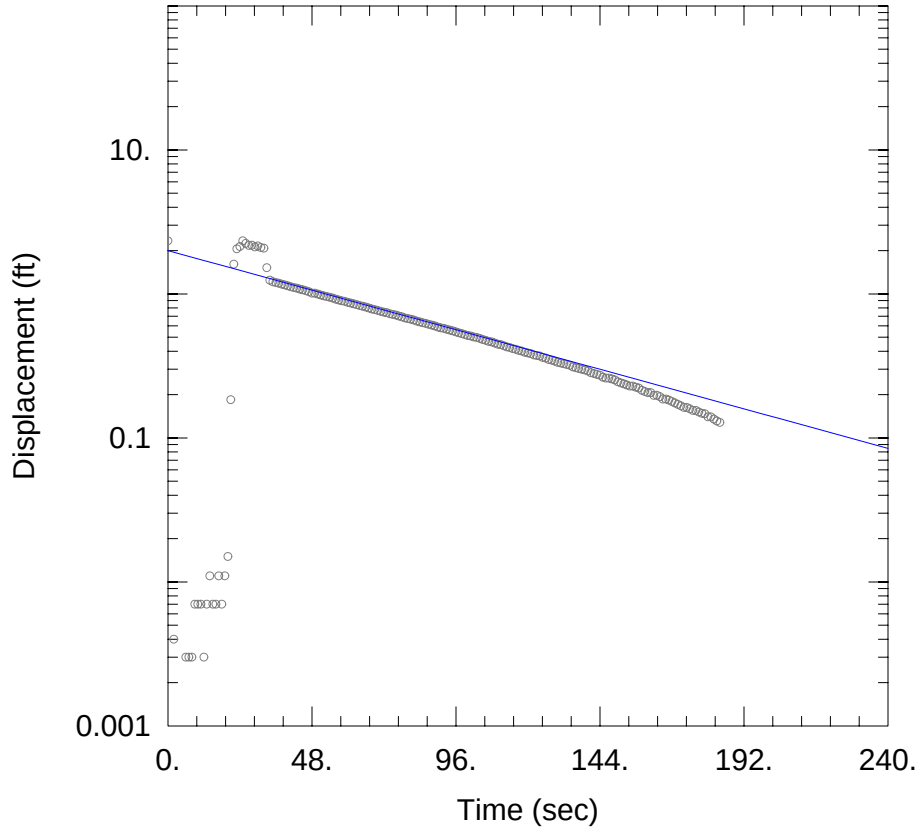
K = 1.148 ft/day
y0 = 2.025 ft

AQUIFER DATA

Saturated Thickness: 31.04 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6C(in)1)

Initial Displacement: 2.337 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 31.04 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-C(out)1.aqt
Date: 01/19/07 Time: 13:30:16

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6C(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

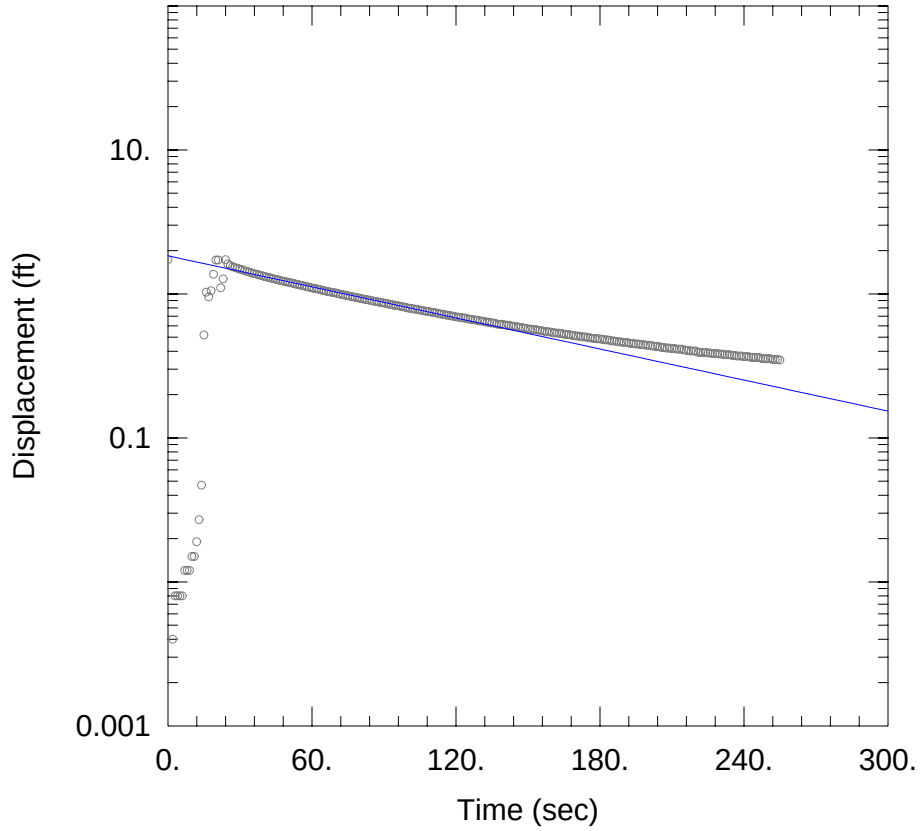
K = 1.122 ft/day
y0 = 1.999 ft

AQUIFER DATA

Saturated Thickness: 31.04 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6C(in)1)

Initial Displacement: 2.337 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 31.04 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL6-C(out)2.aqt
Date: 01/19/07 Time: 13:26:21

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-6C(out)2
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

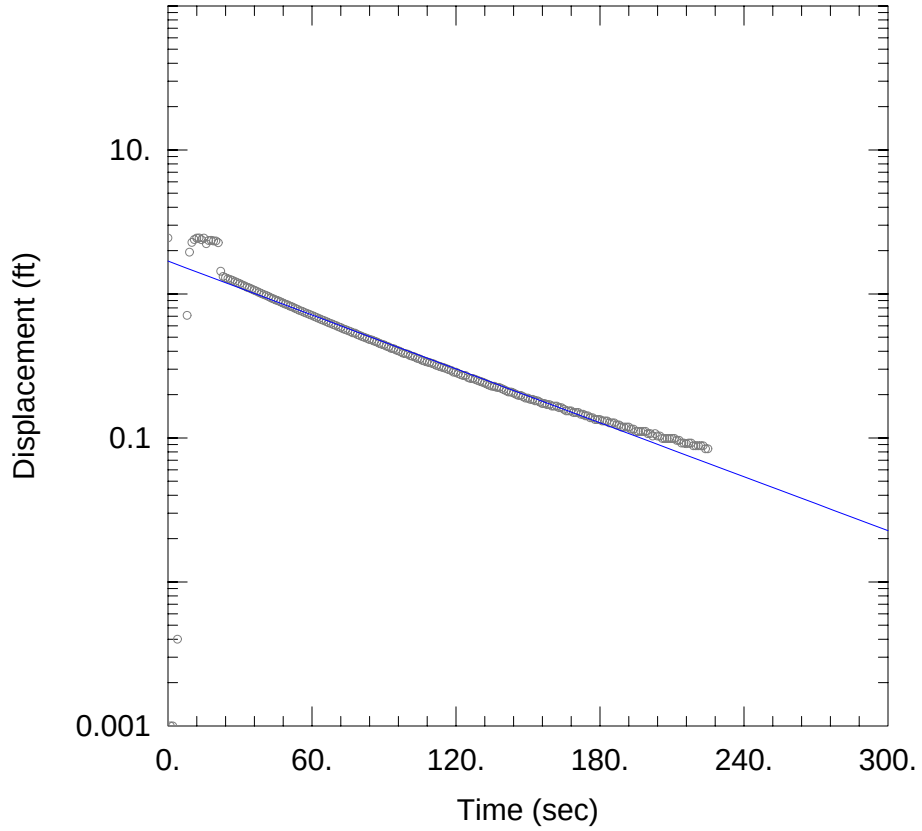
K = 0.705 ft/day
y0 = 1.84 ft

AQUIFER DATA

Saturated Thickness: 31.04 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-6C(out)2)

Initial Displacement: 1.725 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 31.04 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Cin1.aqt
Date: 01/19/07 Time: 13:29:38

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7C(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

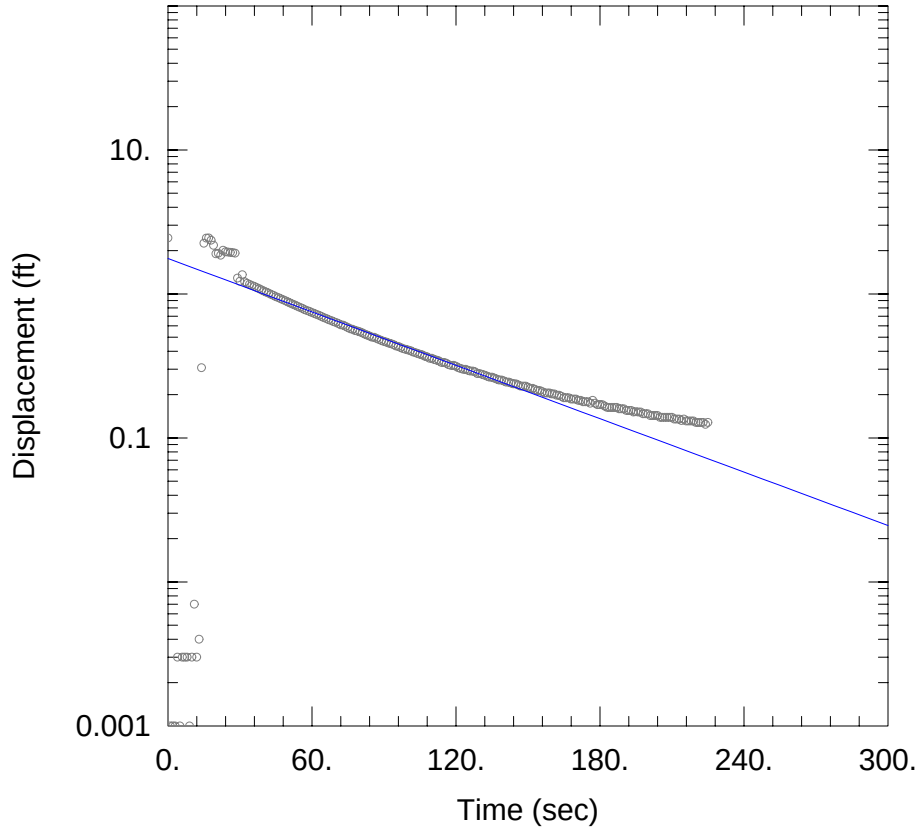
K = 1.231 ft/day
y0 = 1.69 ft

AQUIFER DATA

Saturated Thickness: 32.1 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7C(in)1)

Initial Displacement: 2.446 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 32.1 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Cin2.aqt
Date: 01/19/07 Time: 13:36:34

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7C(in)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

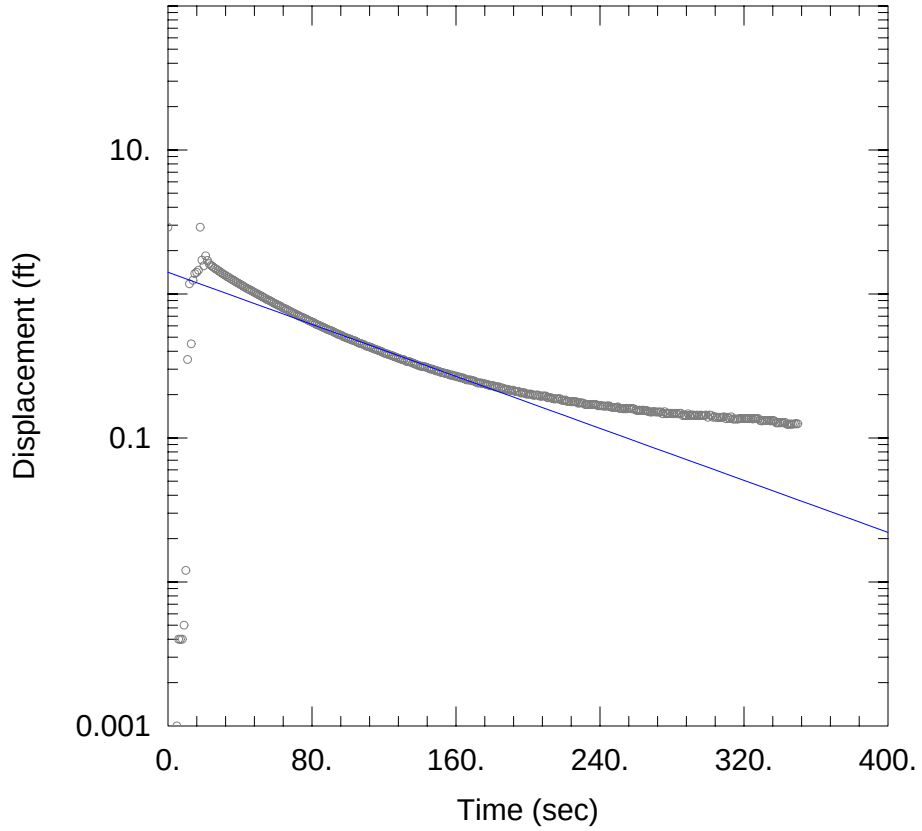
K = 1.219 ft/day
y0 = 1.761 ft

AQUIFER DATA

Saturated Thickness: 32.1 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7C(in)1)

Initial Displacement: 2.446 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 32.1 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Cout1.aqt
Date: 01/19/07 Time: 13:23:04

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7C(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

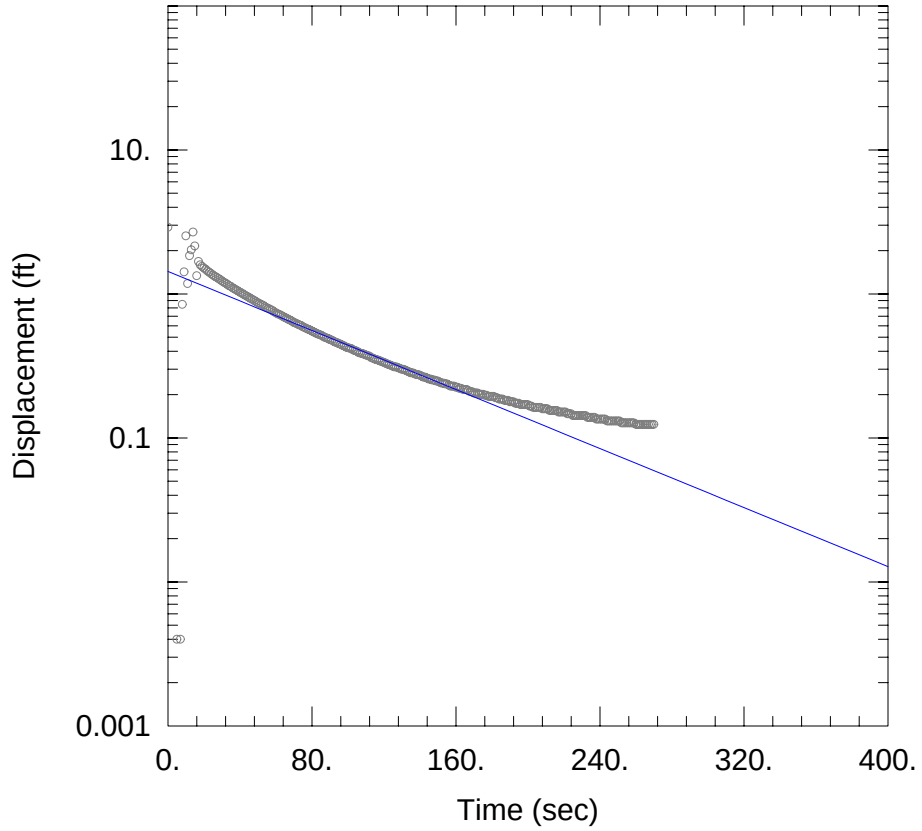
K = 0.8907 ft/day
y0 = 1.413 ft

AQUIFER DATA

Saturated Thickness: 32.1 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7C(out)1)

Initial Displacement: 2.899 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 32.1 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL7-Cout2.aqt
Date: 01/19/07 Time: 13:37:16

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL-7C(out)1
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 1.011 ft/day
y0 = 1.432 ft

AQUIFER DATA

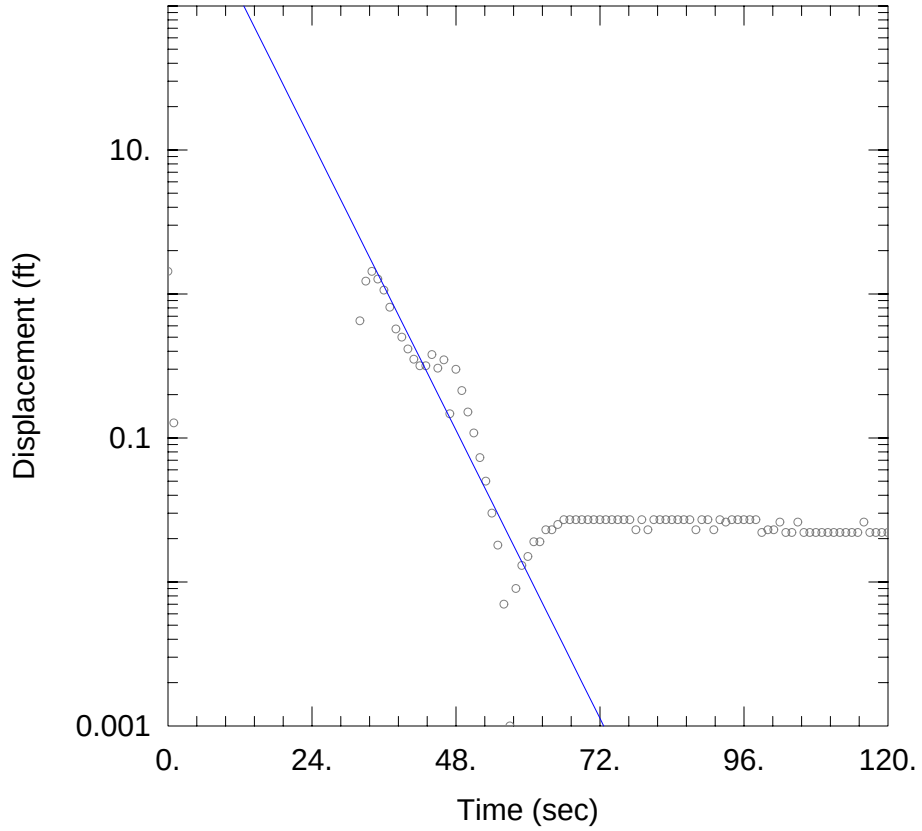
Saturated Thickness: 32.1 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-7C(out)1)

Initial Displacement: 2.899 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 32.1 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Cin1.aqt
Date: 01/19/07 Time: 13:35:17

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-C(in)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 16.77 ft/day
y0 = 1133.3 ft

AQUIFER DATA

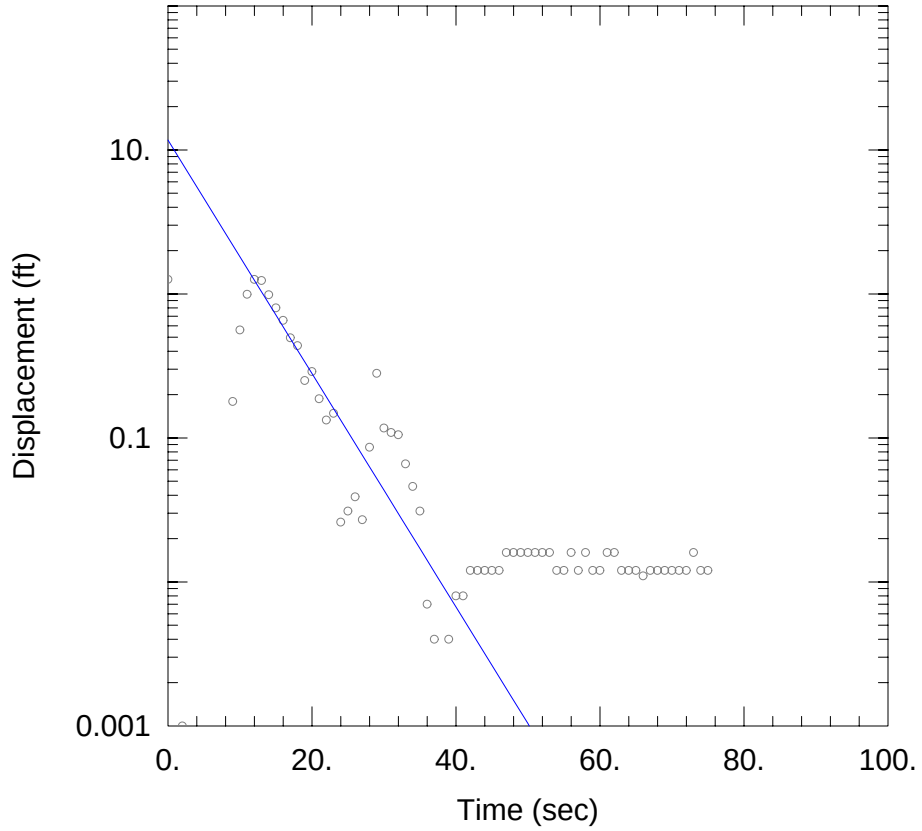
Saturated Thickness: 35.84 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-10C)

Initial Displacement: 1.432 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 35.84 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Cin2.aqt
Date: 01/19/07 Time: 13:35:47

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-C(in)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

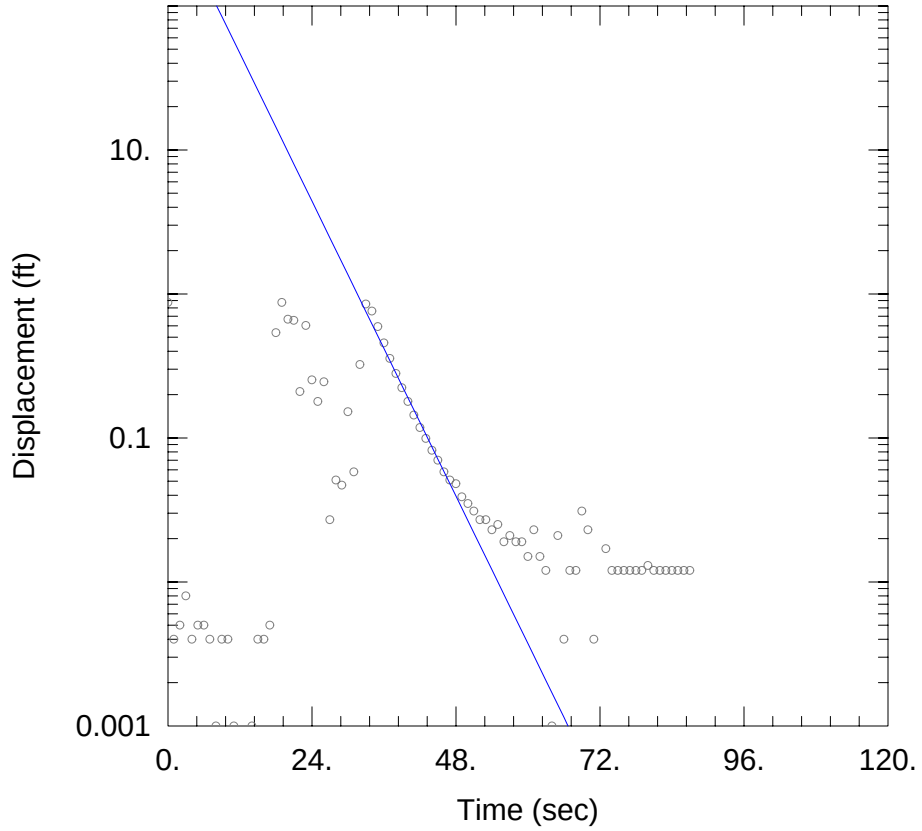
K = 16.31 ft/day
y0 = 11.7 ft

AQUIFER DATA

Saturated Thickness: 35.84 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-10C)

Initial Displacement: 1.262 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 35.84 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Cout1.aqt
Date: 01/19/07 Time: 13:34:37

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-C(out)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

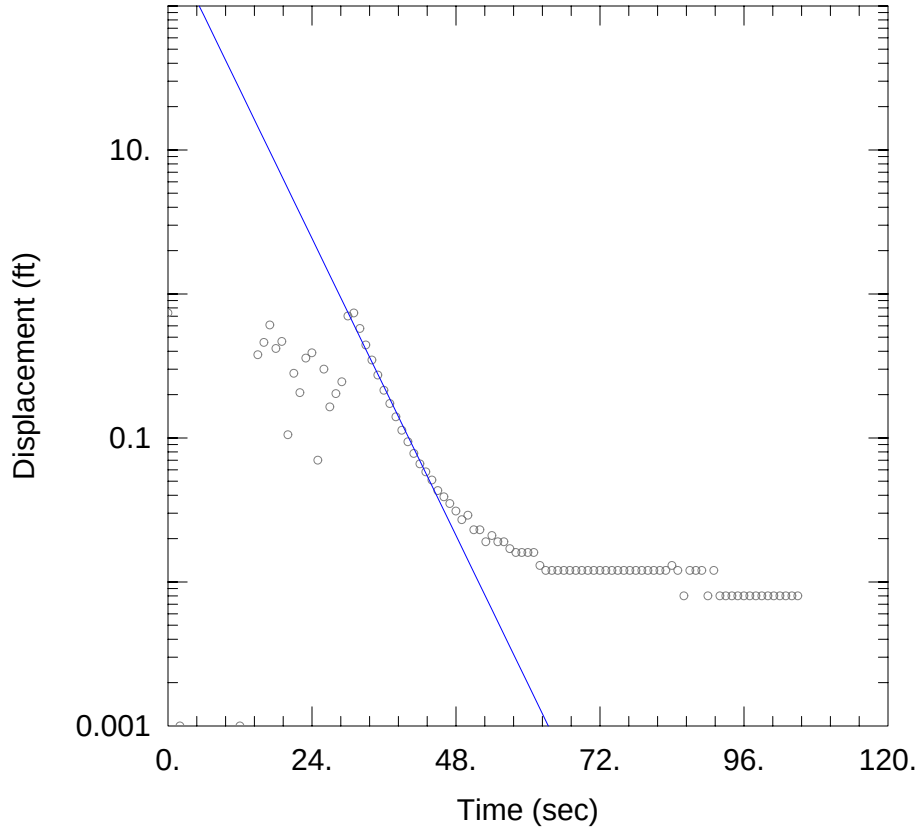
K = 17.18 ft/day
y0 = 494.4 ft

AQUIFER DATA

Saturated Thickness: 35.84 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (HGL-10C)

Initial Displacement: 0.873 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 35.84 ft



HUNTER AAF MCA BARRACKS

Data Set: \...\HGL10-Cout2.aqt
Date: 01/19/07 Time: 13:33:52

PROJECT INFORMATION

Company: HydroGeoLogic
Client: USACE-Savannah
Project: OMA009-001-02-02-02
Test Location: Hunter AAF
Test Well: HGL10-C(out)
Test Date: March 30, 2006

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

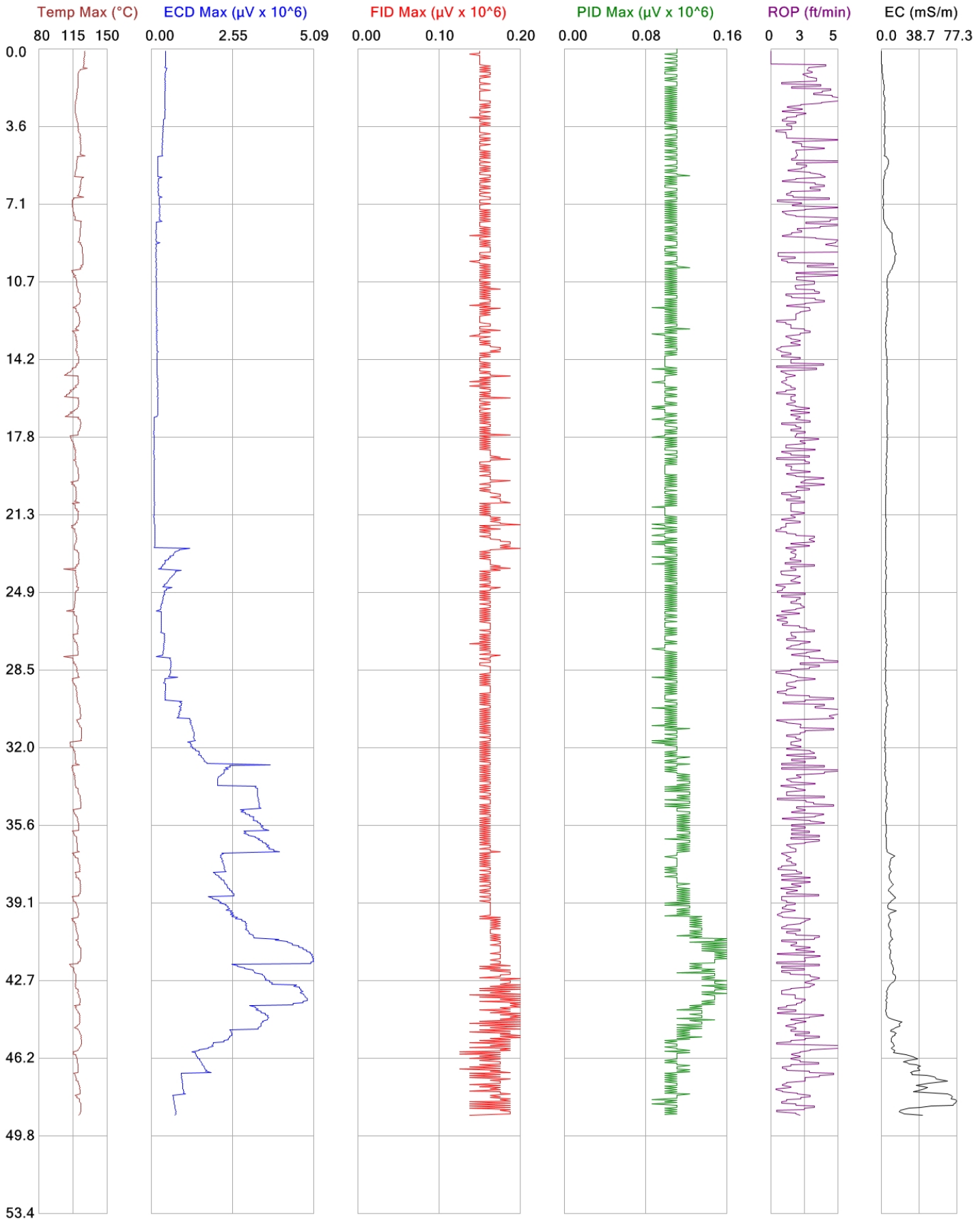
K = 17.3 ft/day
y0 = 281.2 ft

AQUIFER DATA

Saturated Thickness: 35.84 ft
Anisotropy Ratio (Kz/Kr): 1.

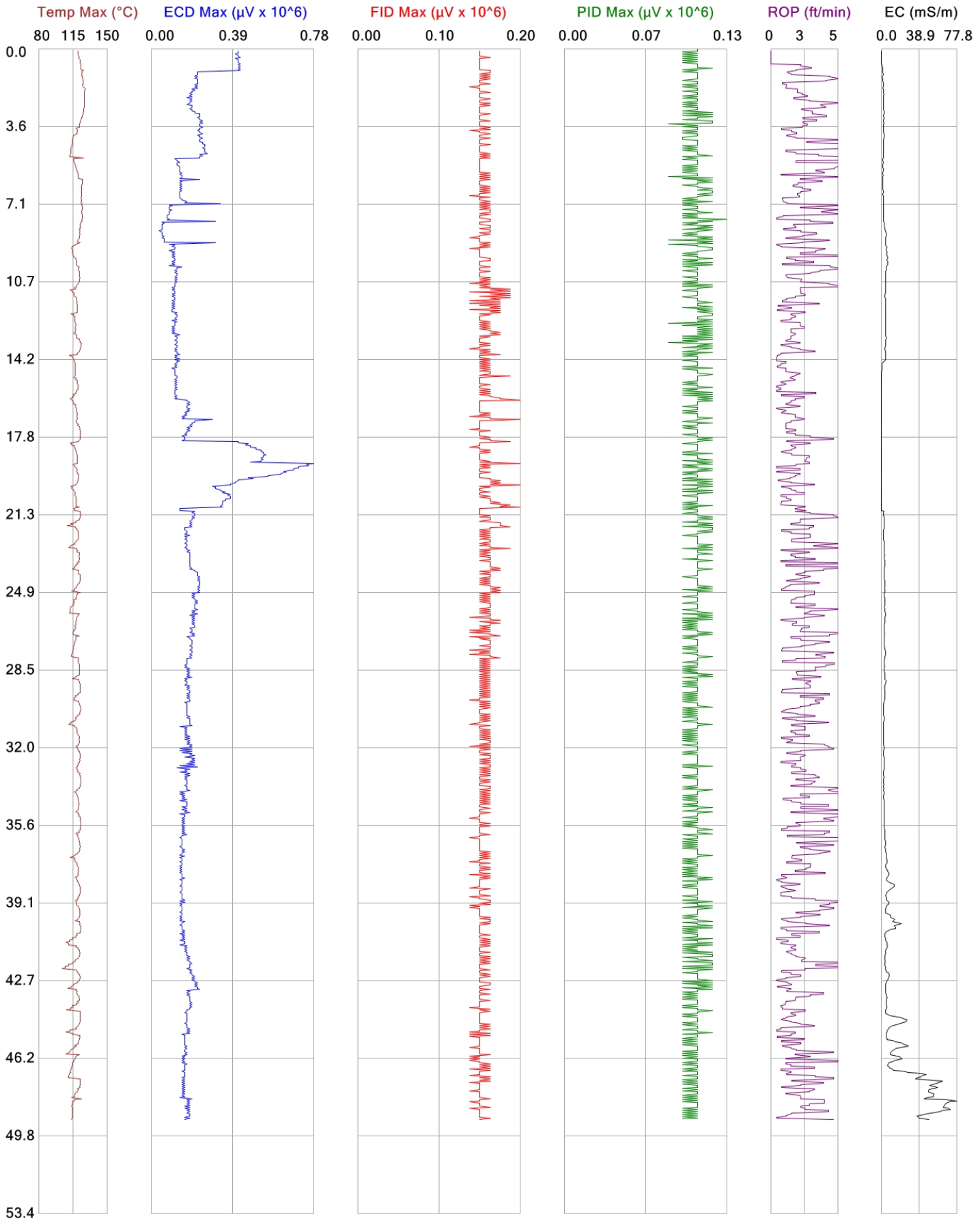
WELL DATA (HGL-10C)

Initial Displacement: 0.736 ft
Wellbore Radius: 0.5 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25
Casing Radius: 0.083 ft
Well Skin Radius: 0.5 ft
Total Well Penetration Depth: 35.84 ft



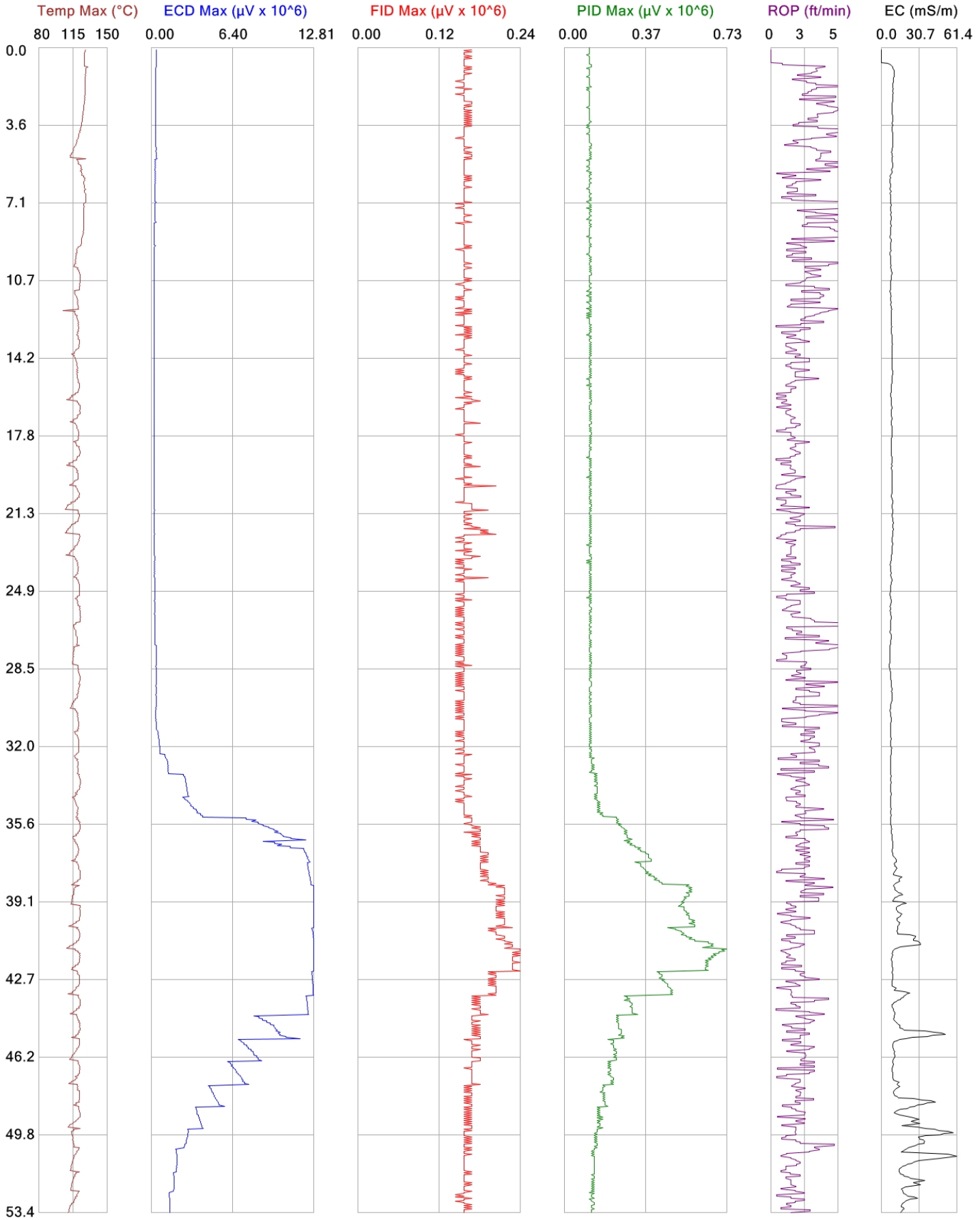
COLUMBIA TECHNOLOGIES

	File: MIP-01
Client: ARCADIS	Date: 11/4/2009
Project ID: Hunter Army Air Field Area 15	Location:



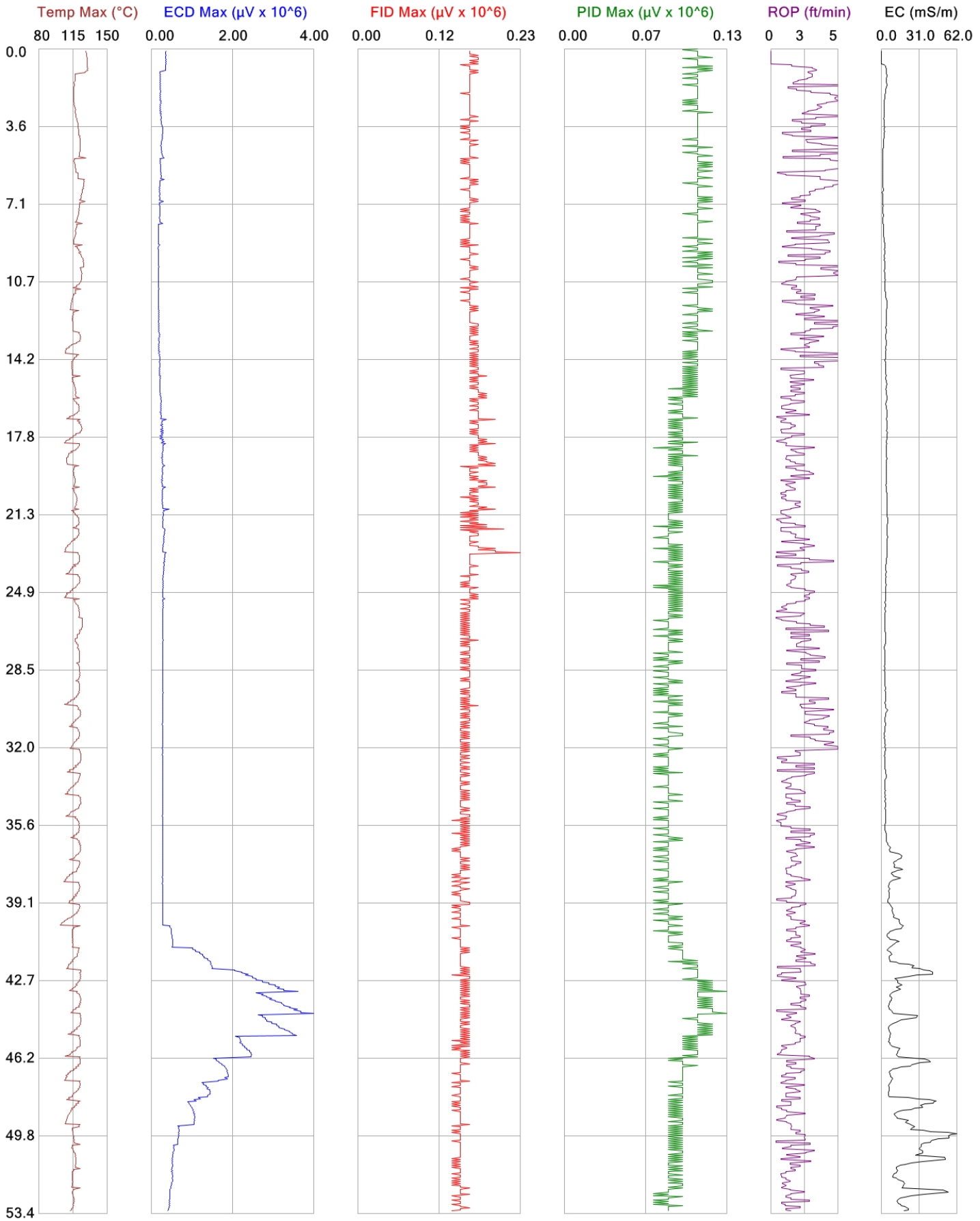
COLUMBIA TECHNOLOGIES

	File: MIP-02
Client: ARCADIS	Date: 11/5/2009
Project ID: Hunter Army Air Field Area 15	Location:



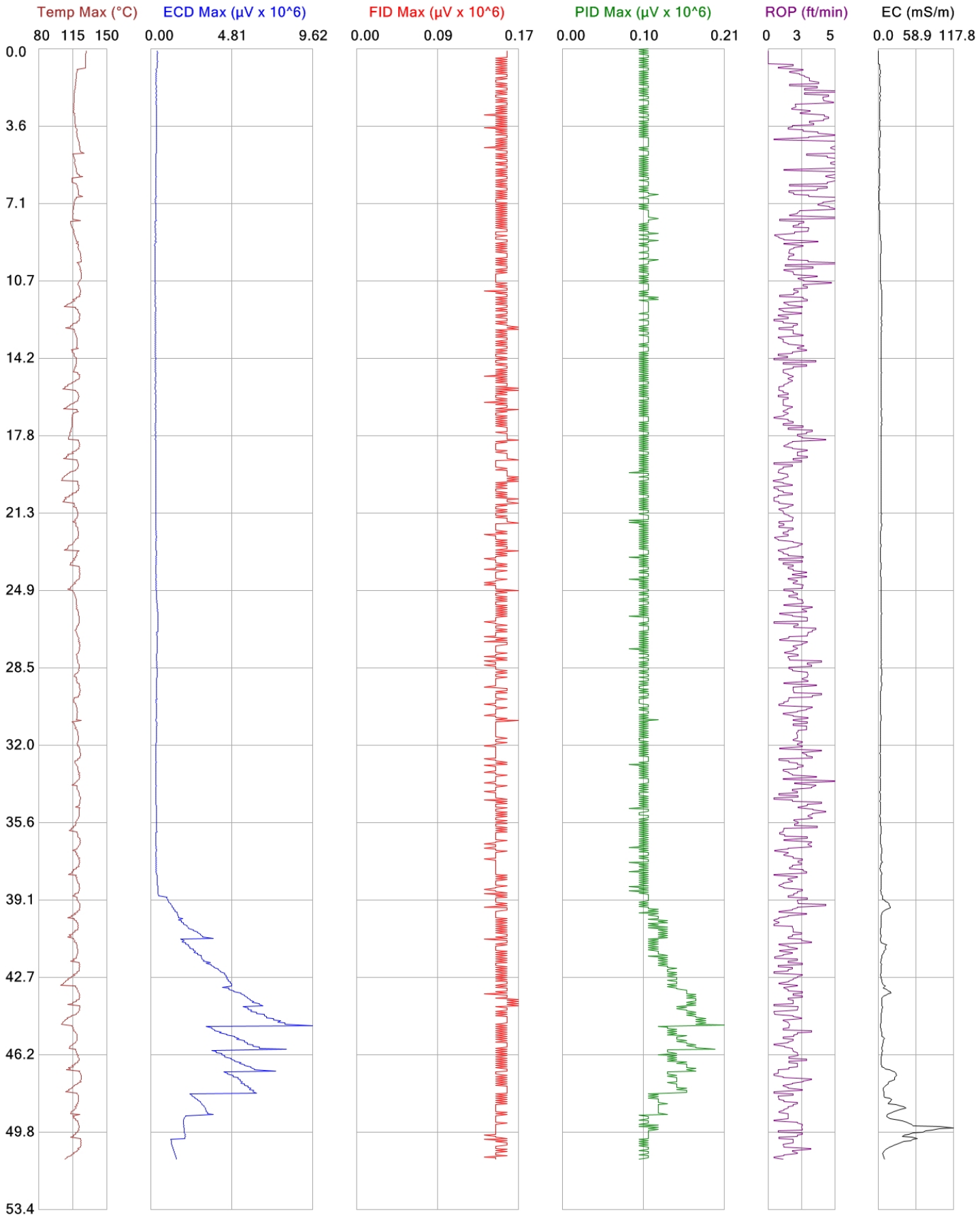
COLUMBIA TECHNOLOGIES

	File: MIP-03A
Client: ARCADIS	Date: 11/12/2009
Project ID: Hunter Army Air Field Area 15	Location:



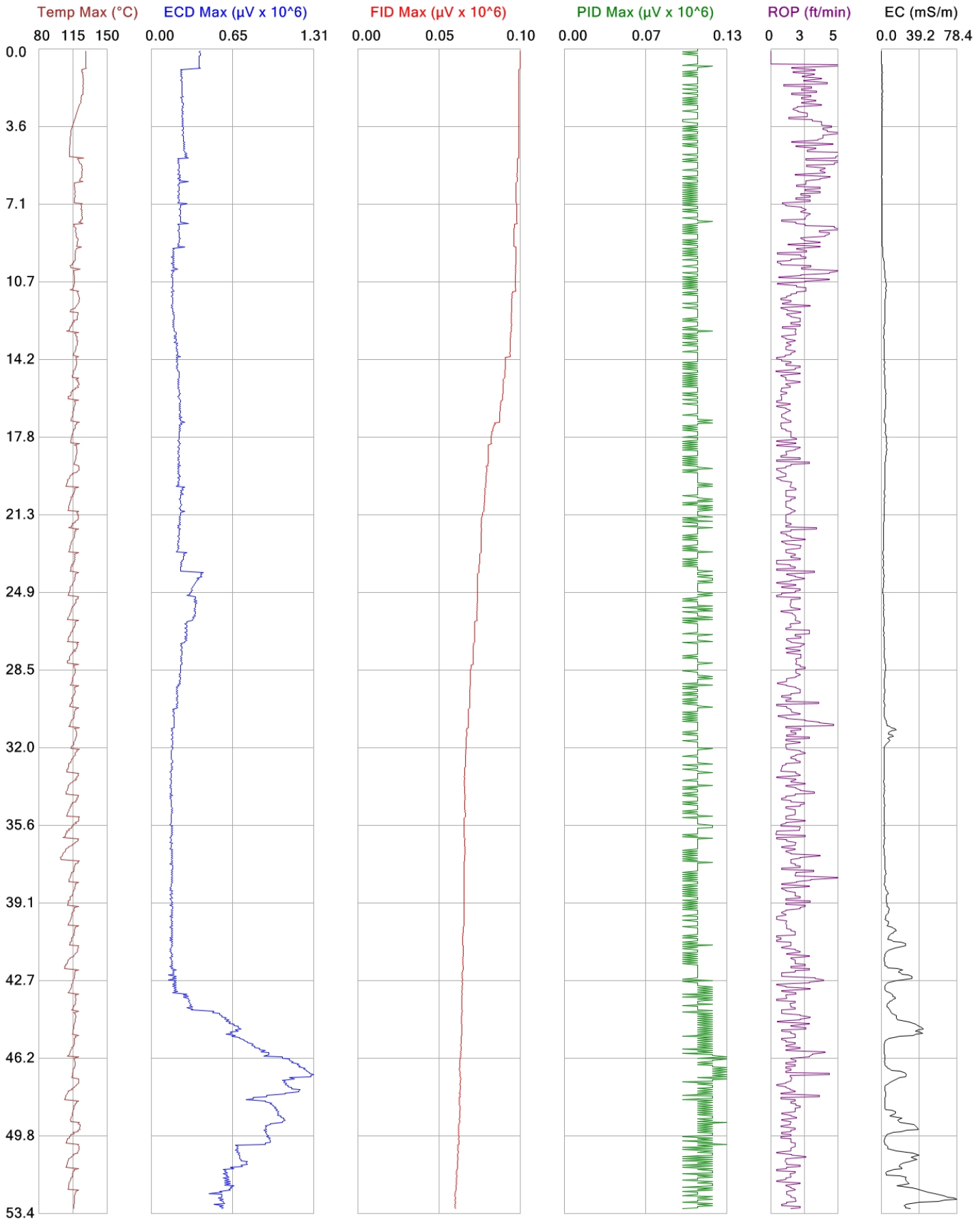
COLUMBIA TECHNOLOGIES

	File: MIP-03B
Client: ARCADIS	Date: 11/13/2009
Project ID: Hunter Army Air Field Area 15	Location:



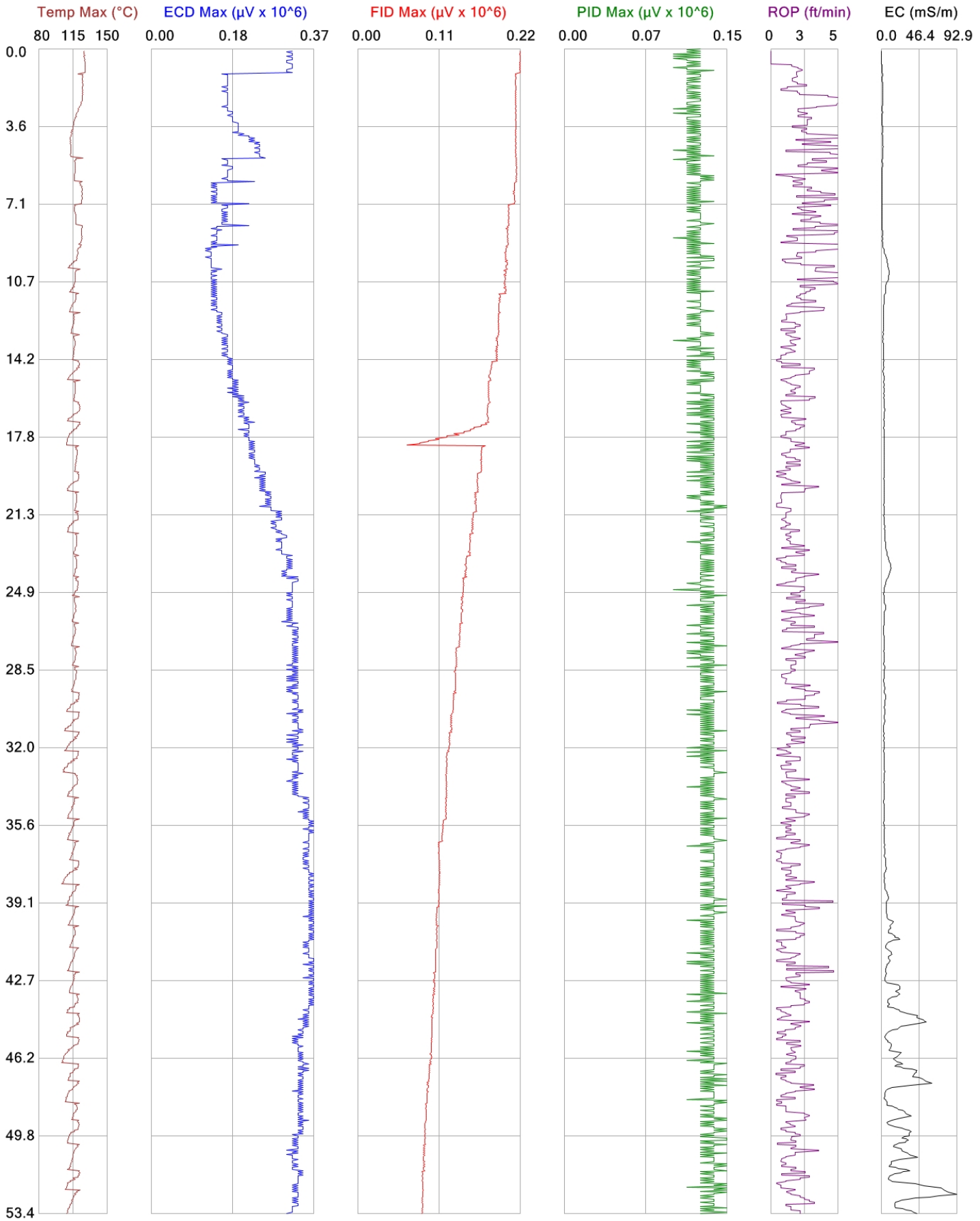
COLUMBIA TECHNOLOGIES

	File: MIP-03
Client: ARCADIS	Date: 11/5/2009
Project ID: Hunter Army Air Field Area 15	Location:



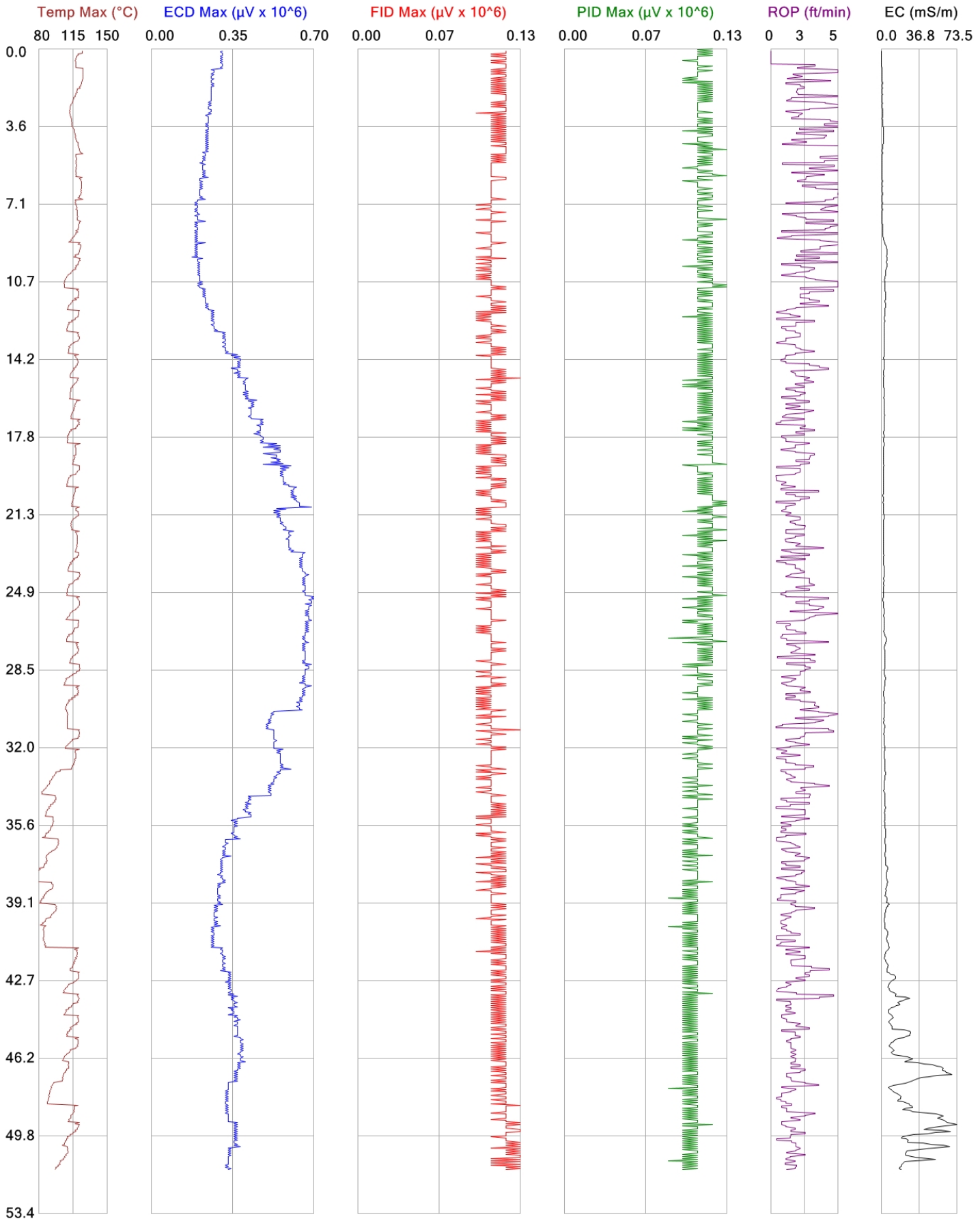
COLUMBIA TECHNOLOGIES

	File: MIP-04
Client: ARCADIS	Date: 11/5/2009
Project ID: Hunter Army Air Field Area 15	Location:



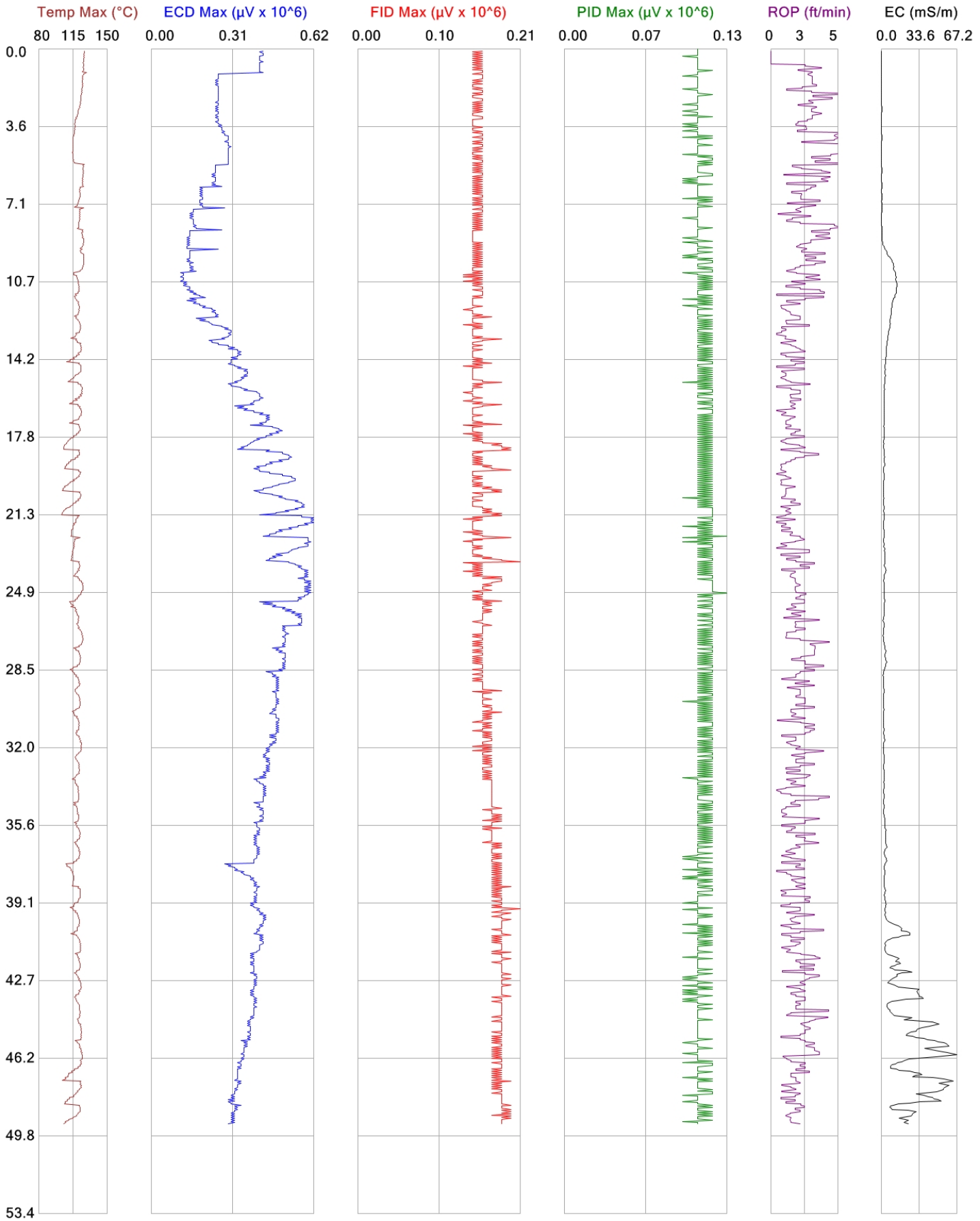
COLUMBIA TECHNOLOGIES

	File: MIP-05
Client: ARCADIS	Date: 11/5/2009
Project ID: Hunter Army Air Field Area 15	Location:



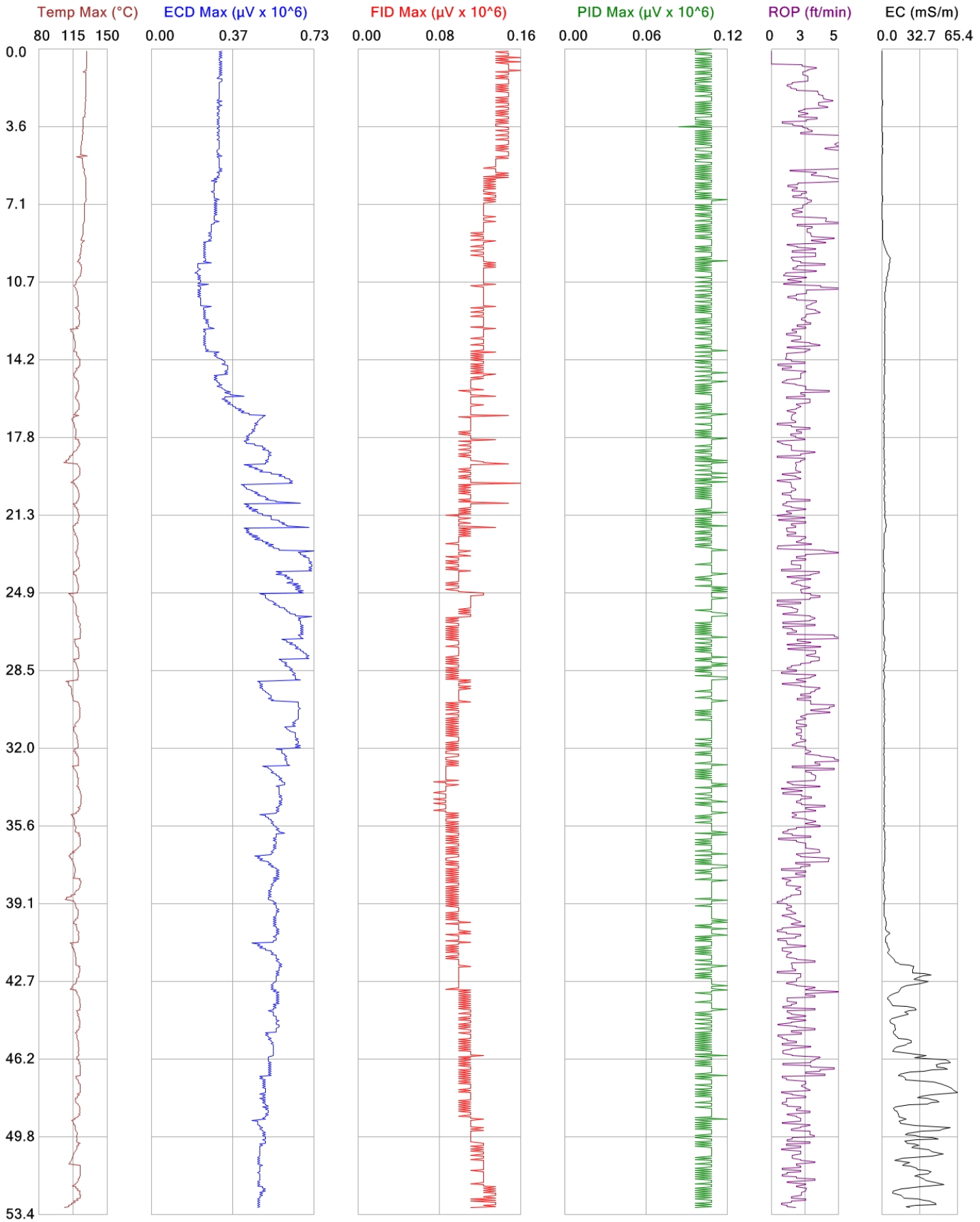
COLUMBIA TECHNOLOGIES

	File: MIP-06
Client: ARCADIS	Date: 11/6/2009
Project ID: Hunter Army Air Field Area 15	Location:



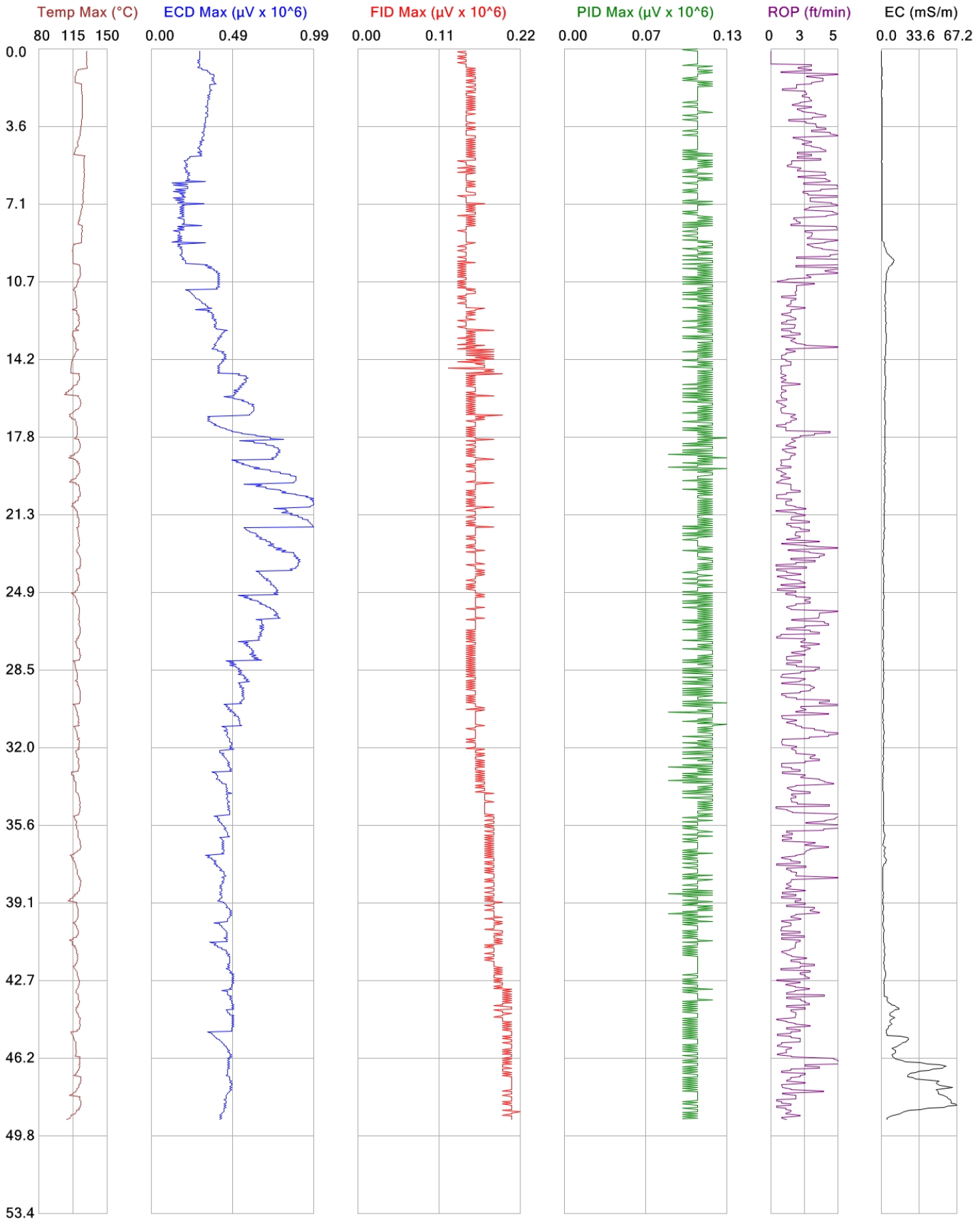
COLUMBIA TECHNOLOGIES

	File: MIP-07
Client: ARCADIS	Date: 11/6/2009
Project ID: Hunter Army Air Field Area 15	Location:



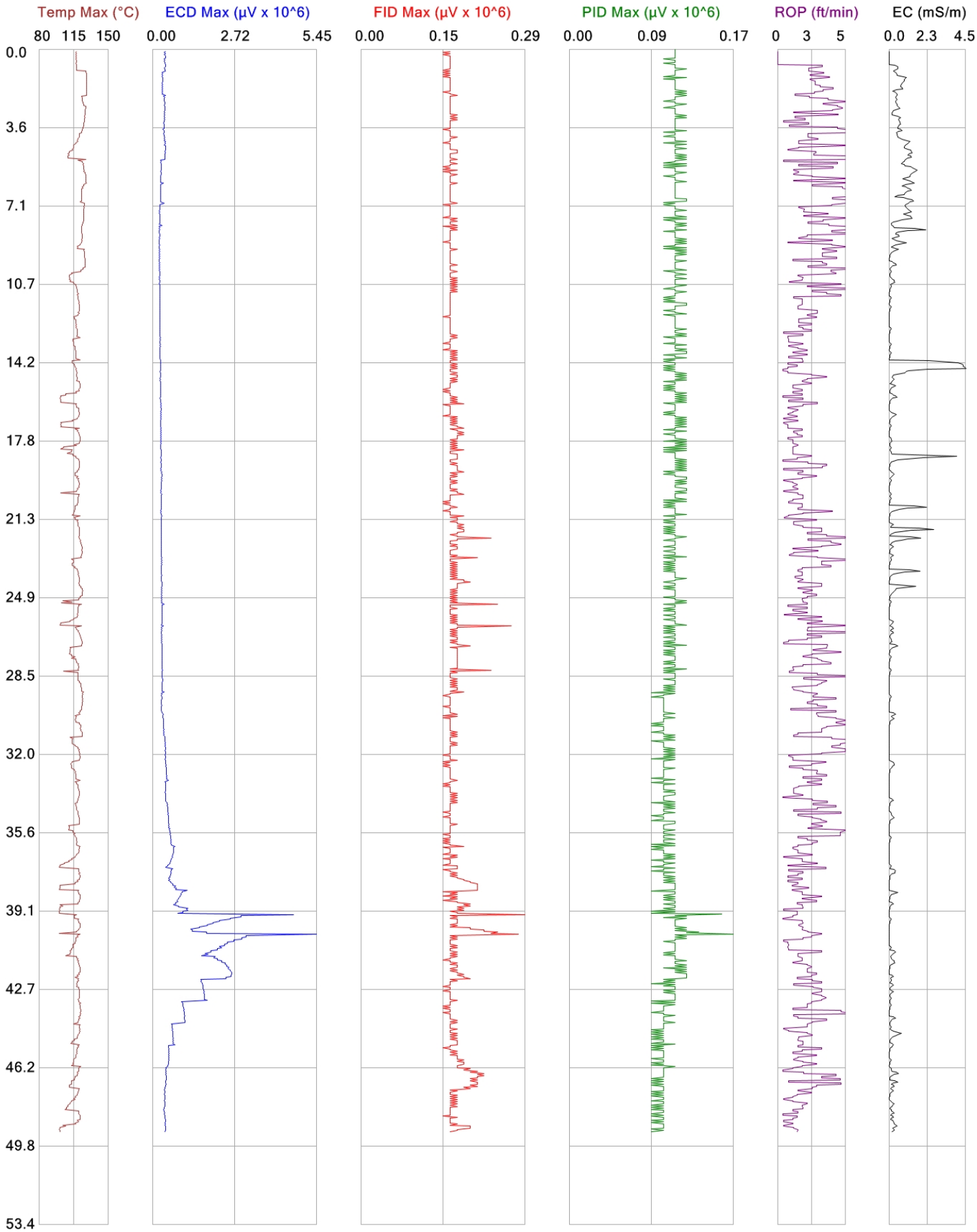
COLUMBIA TECHNOLOGIES

	File: MIP-08
Client: ARCADIS	Date: 11/6/2009
Project ID: Hunter Army Air Field Area 15	Location:



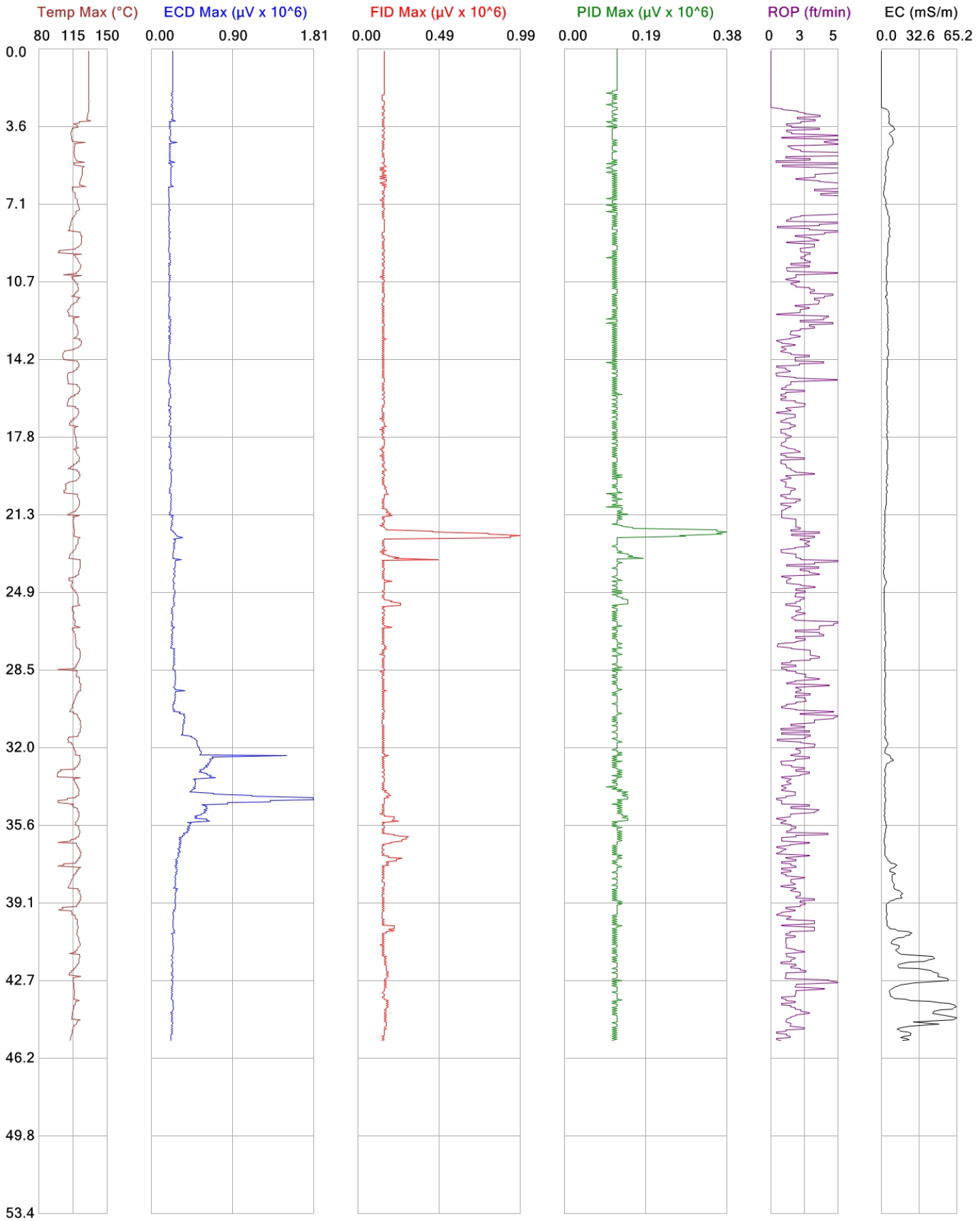
COLUMBIA TECHNOLOGIES

	File: MIP-09
Client: ARCADIS	Date: 11/6/2009
Project ID: Hunter Army Air Field Area 15	Location:



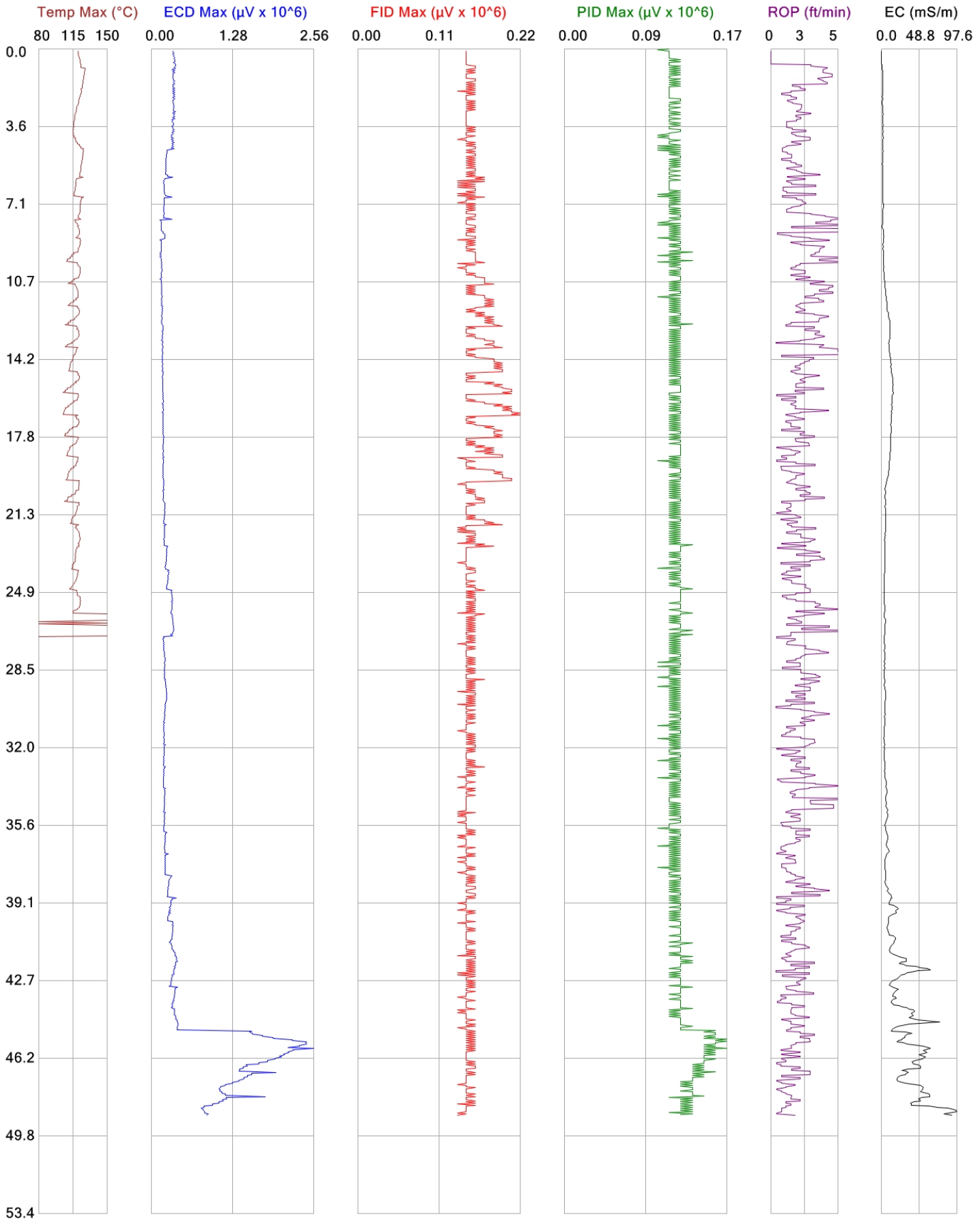
COLUMBIA TECHNOLOGIES

	File: MIP-10A
Client: ARCADIS	Date: 11/2/2009
Project ID: Hunter Army Air Field Area 15	Location:



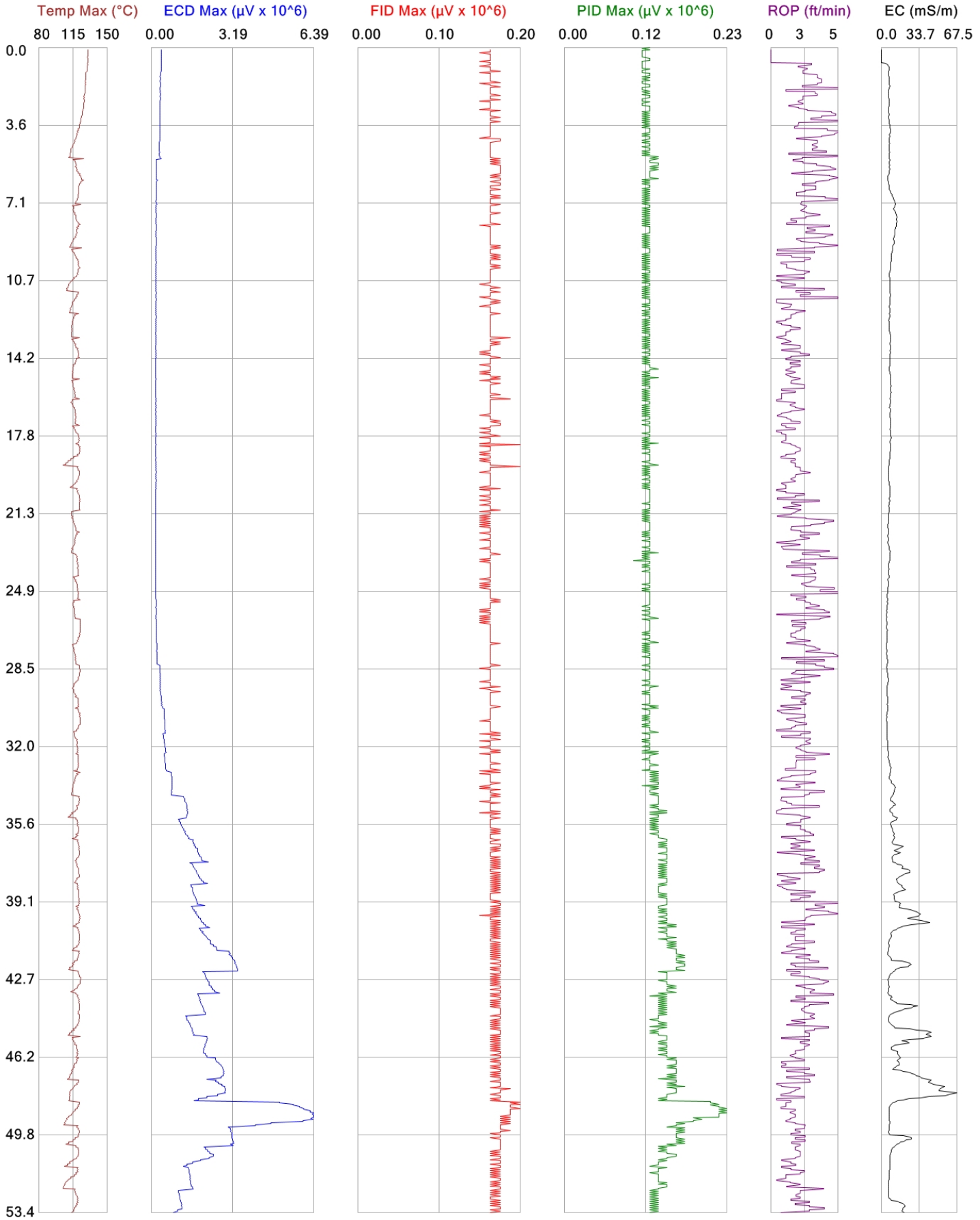
COLUMBIA TECHNOLOGIES

	File: MIP-10
Client: ARCADIS	Date: 11/2/2009
Project ID: Hunter Army Air Field Area 15	Location:



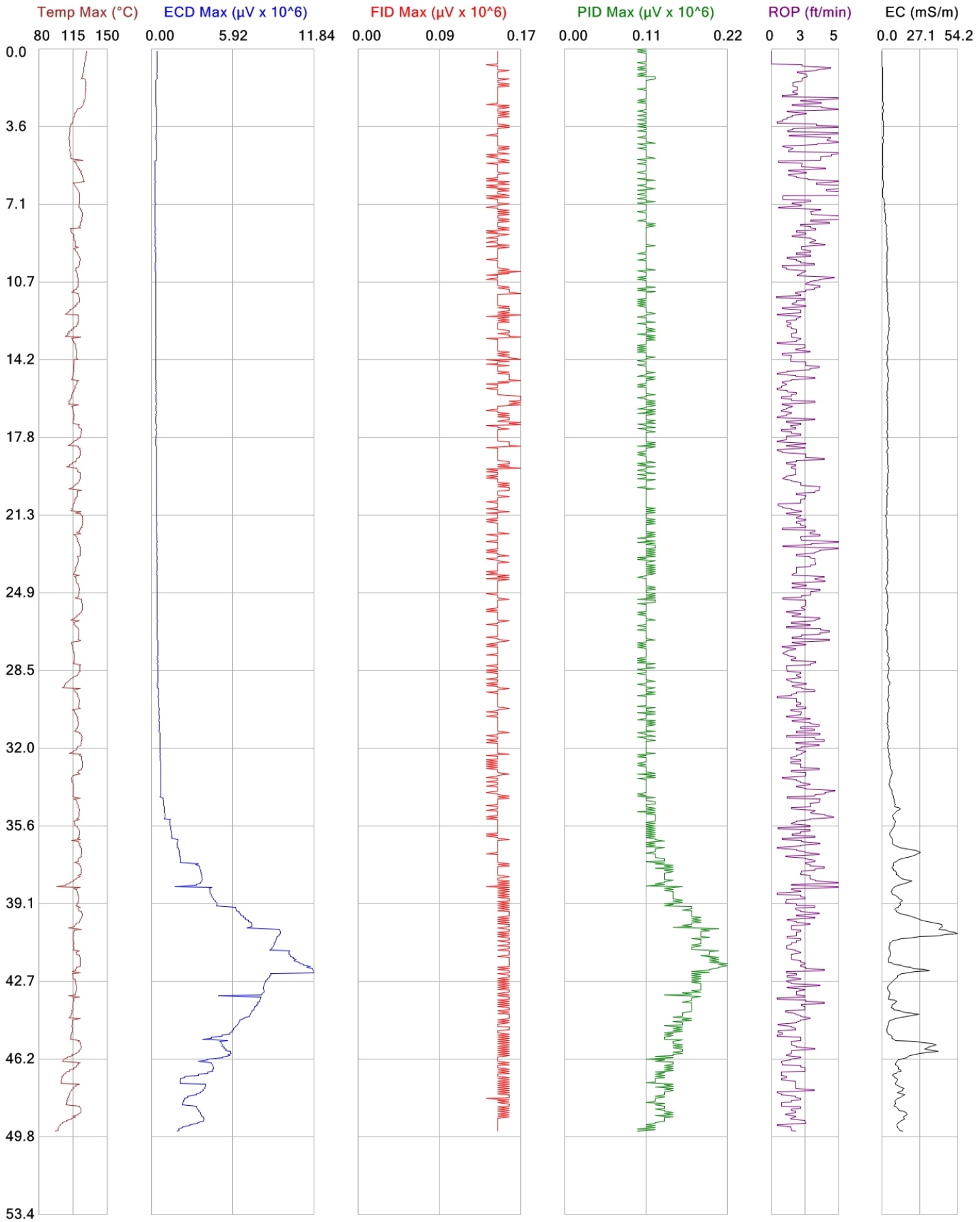
COLUMBIA TECHNOLOGIES

	File: MIP-11
Client: ARCADIS	Date: 11/3/2009
Project ID: Hunter Army Air Field Area 15	Location:



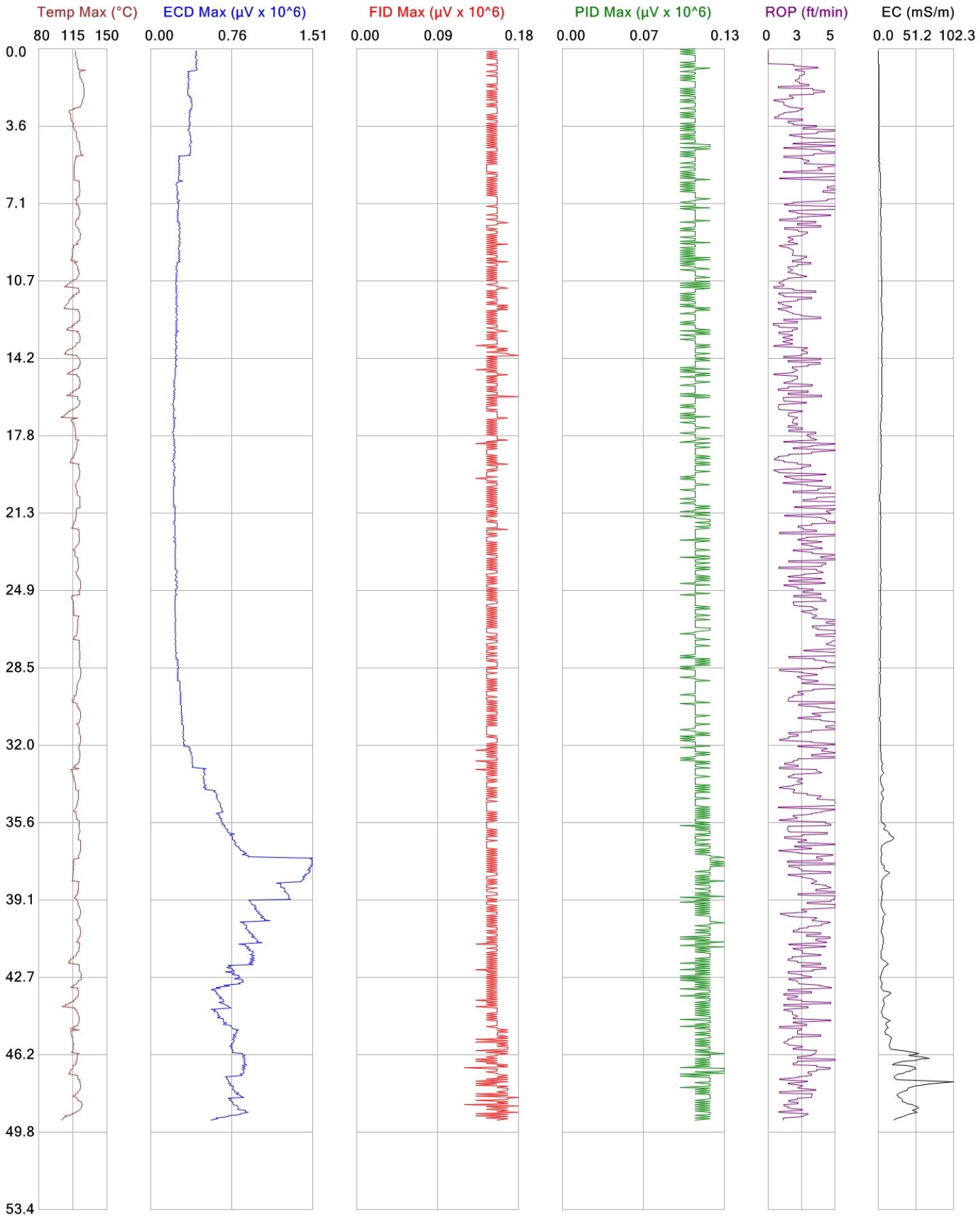
COLUMBIA TECHNOLOGIES

	File: MIP-12A
Client: ARCADIS	Date: 11/13/2009
Project ID: Hunter Army Air Field Area 15	Location:



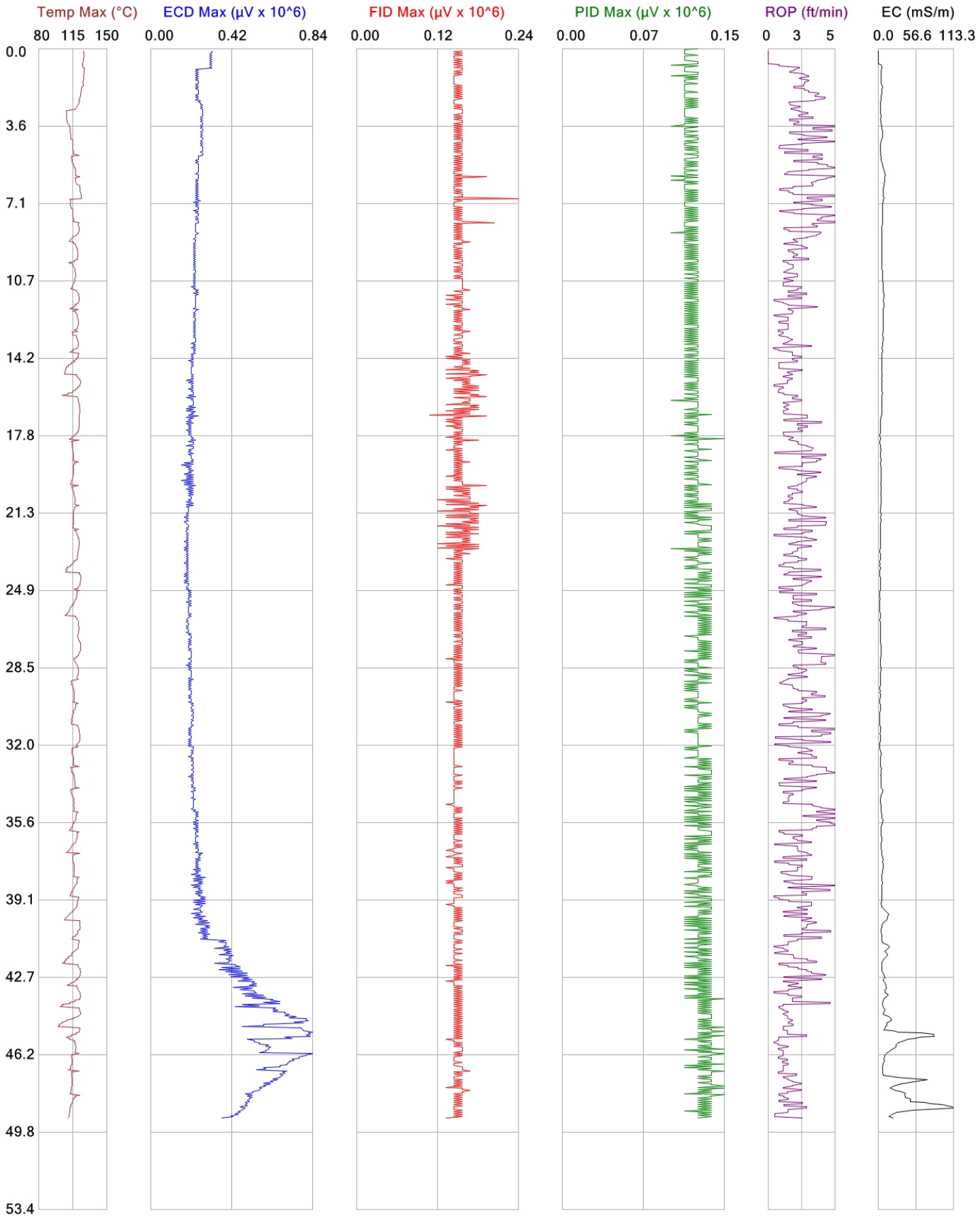
COLUMBIA TECHNOLOGIES

	File: MIP-12
Client: ARCADIS	Date: 11/3/2009
Project ID: Hunter Army Air Field Area 15	Location:



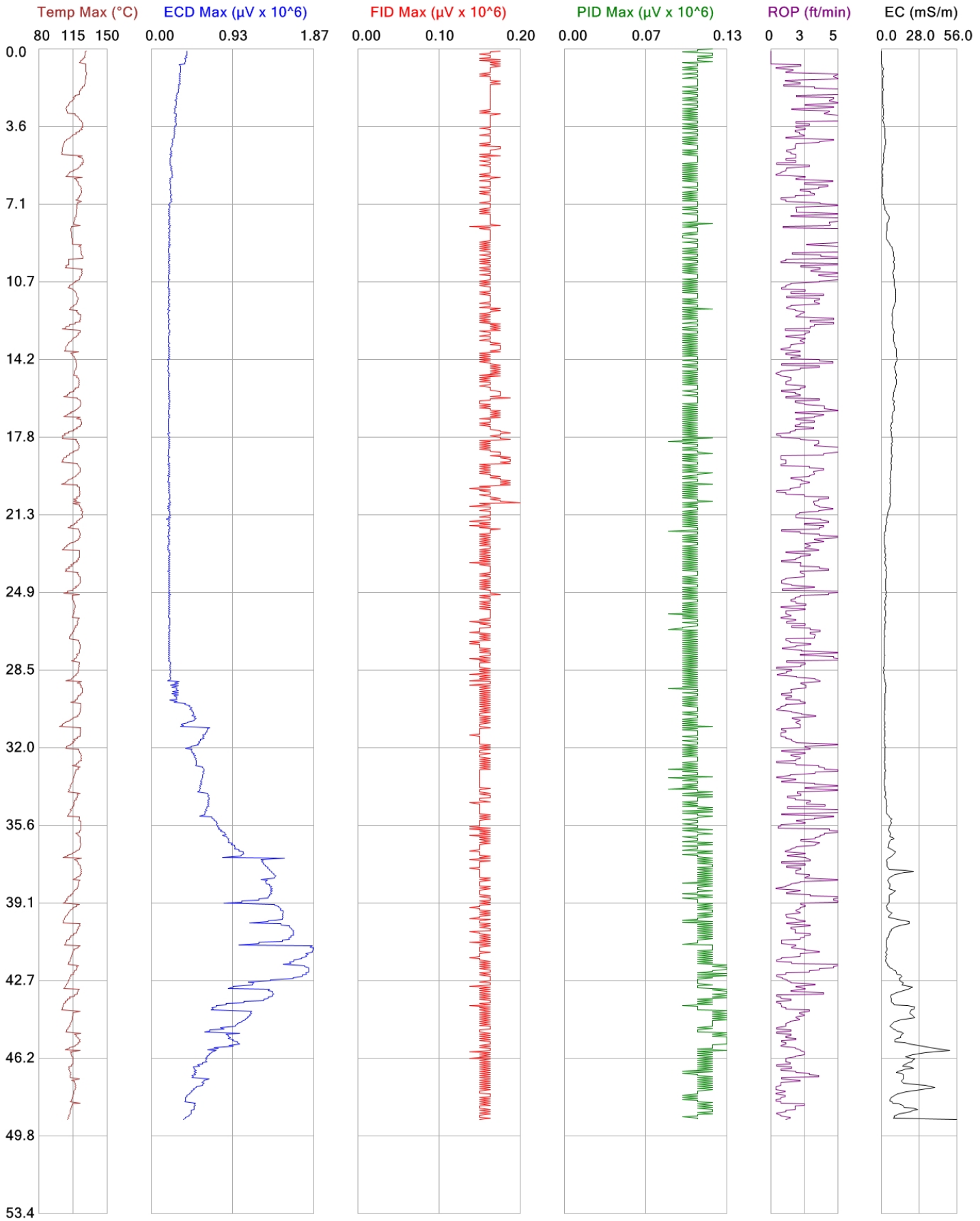
COLUMBIA TECHNOLOGIES

	File: MIP-13
Client: ARCADIS	Date: 11/3/2009
Project ID: Hunter Army Air Field Area 15	Location:



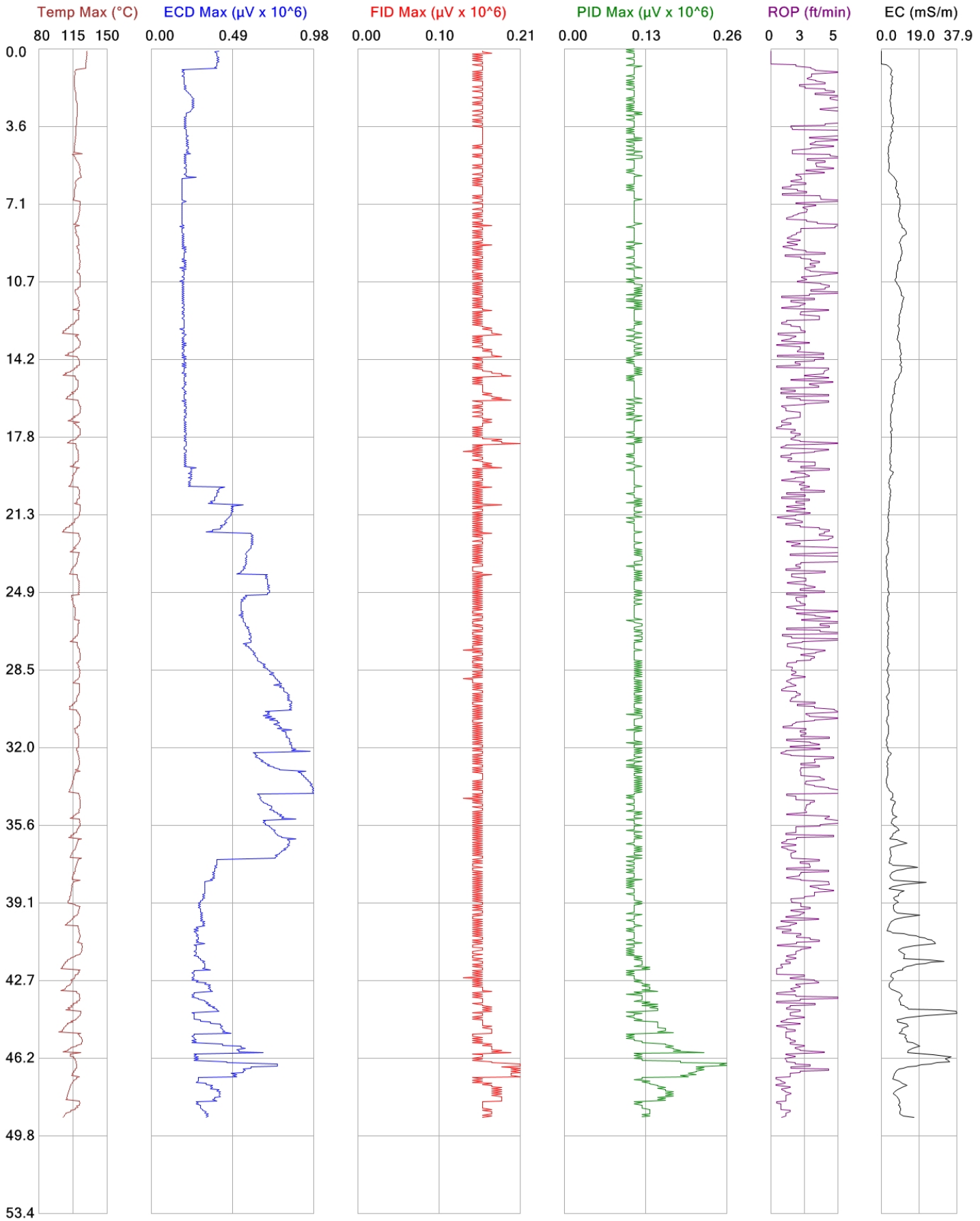
COLUMBIA TECHNOLOGIES

	File: MIP-14
Client: ARCADIS	Date: 11/3/2009
Project ID: Hunter Army Air Field Area 15	Location:



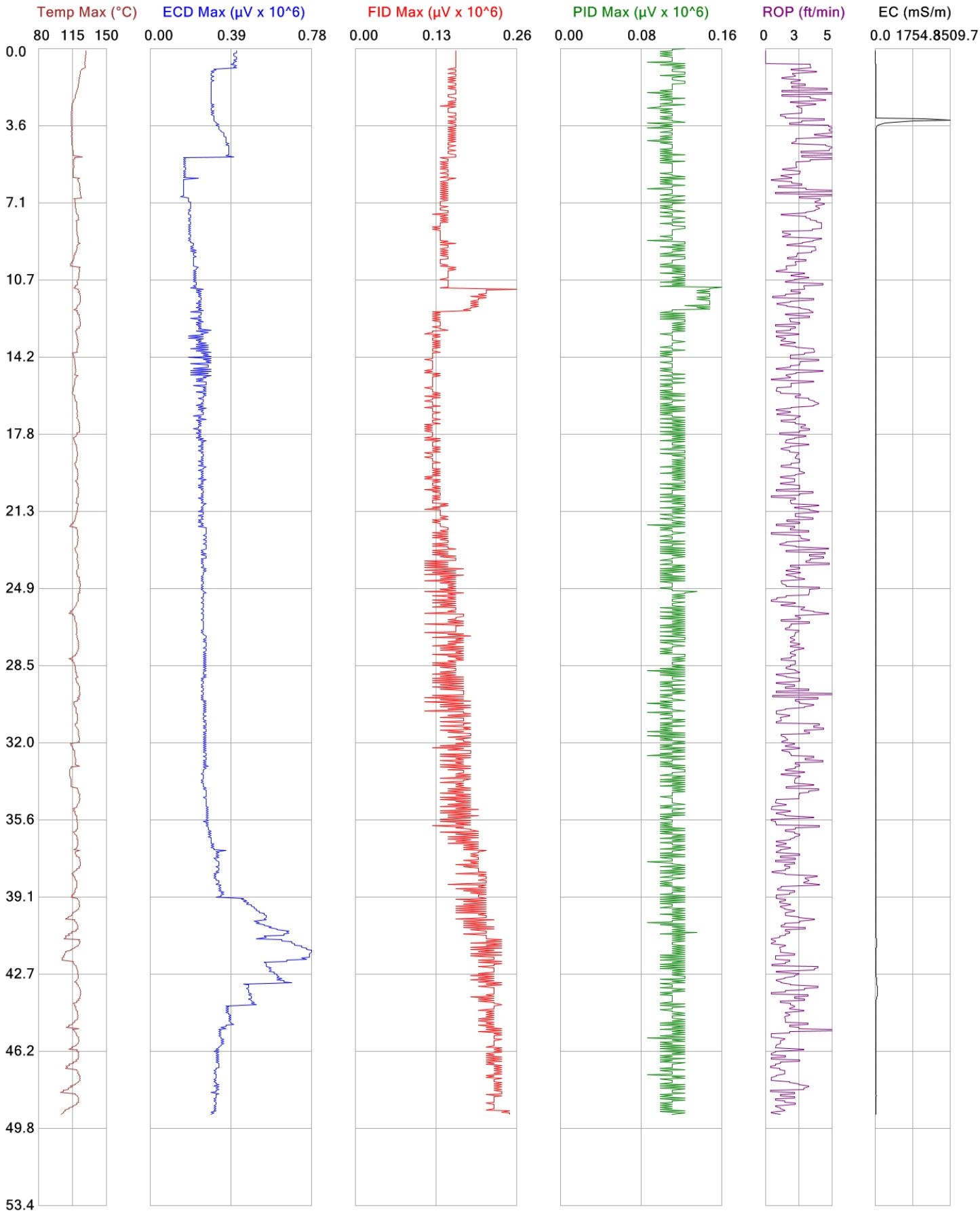
COLUMBIA TECHNOLOGIES

	File: MIP-15
Client: ARCADIS	Date: 11/4/2009
Project ID: Hunter Army Air Field Area 15	Location:



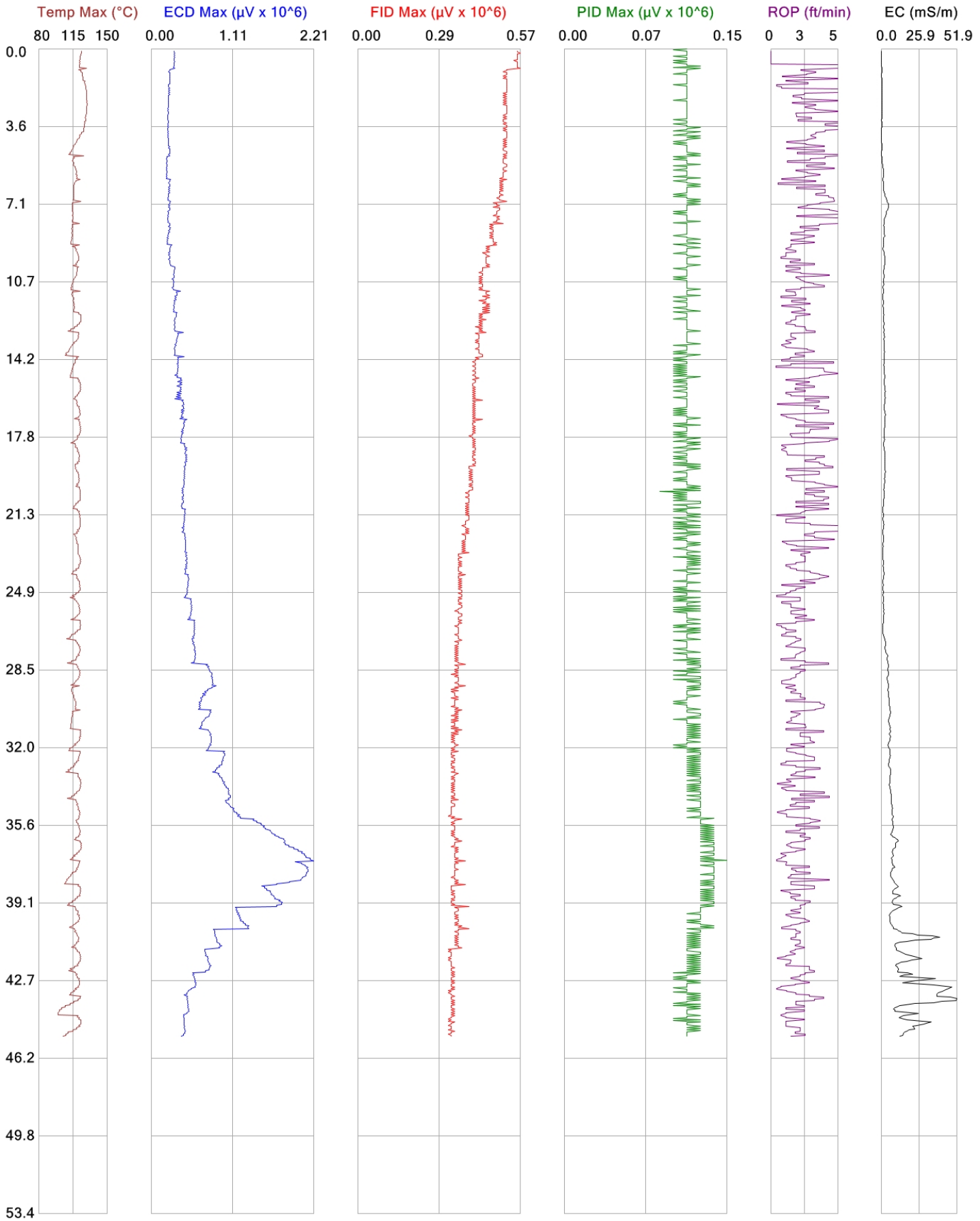
COLUMBIA TECHNOLOGIES

	File: MIP-16
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Project ID: Hunter Army Air Field Area 15	Location:



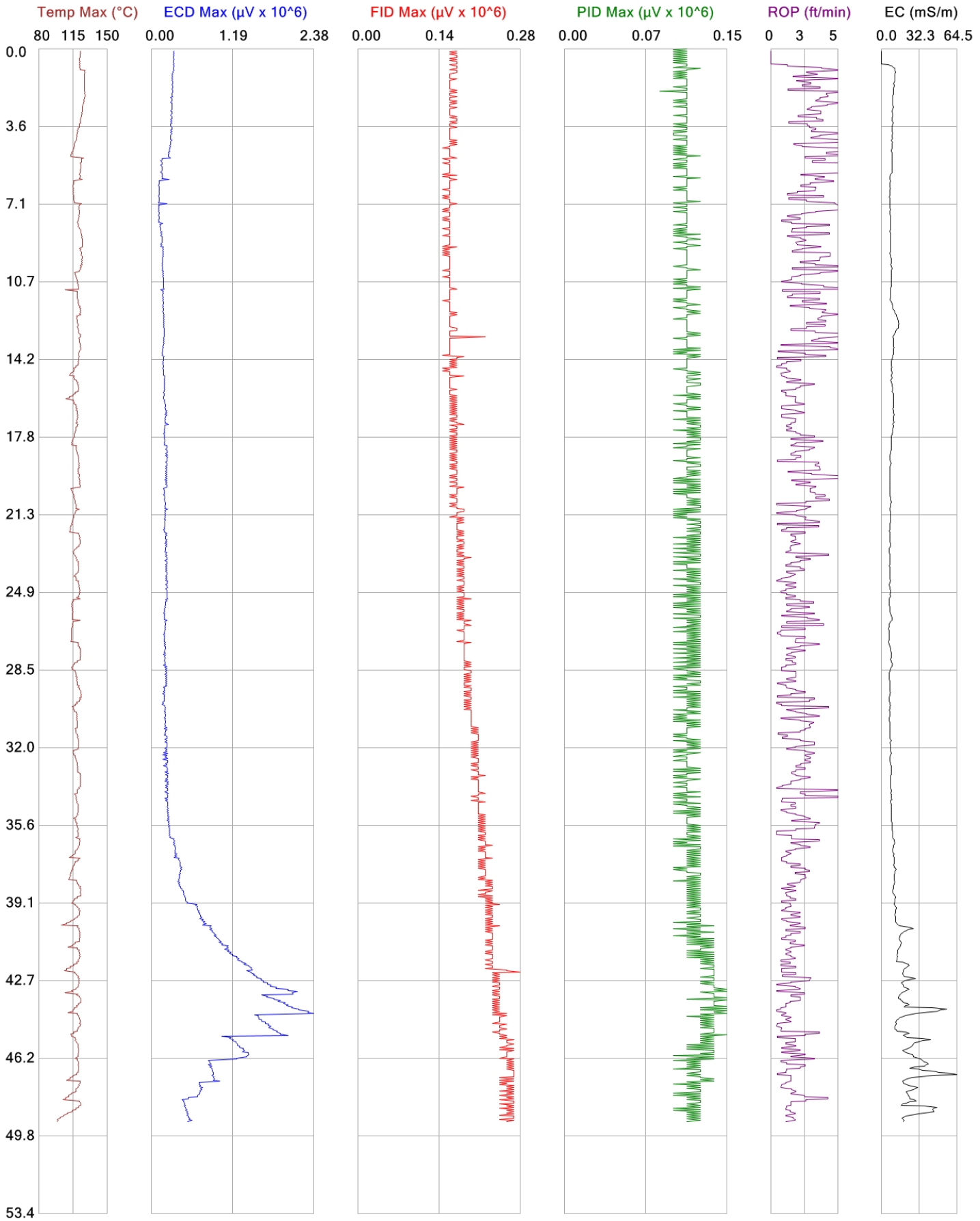
COLUMBIA TECHNOLOGIES

	File: MIP-22
Client: ARCADIS	Date: 11/9/2009
Project ID: Hunter Army Air Field Area 15	Location:



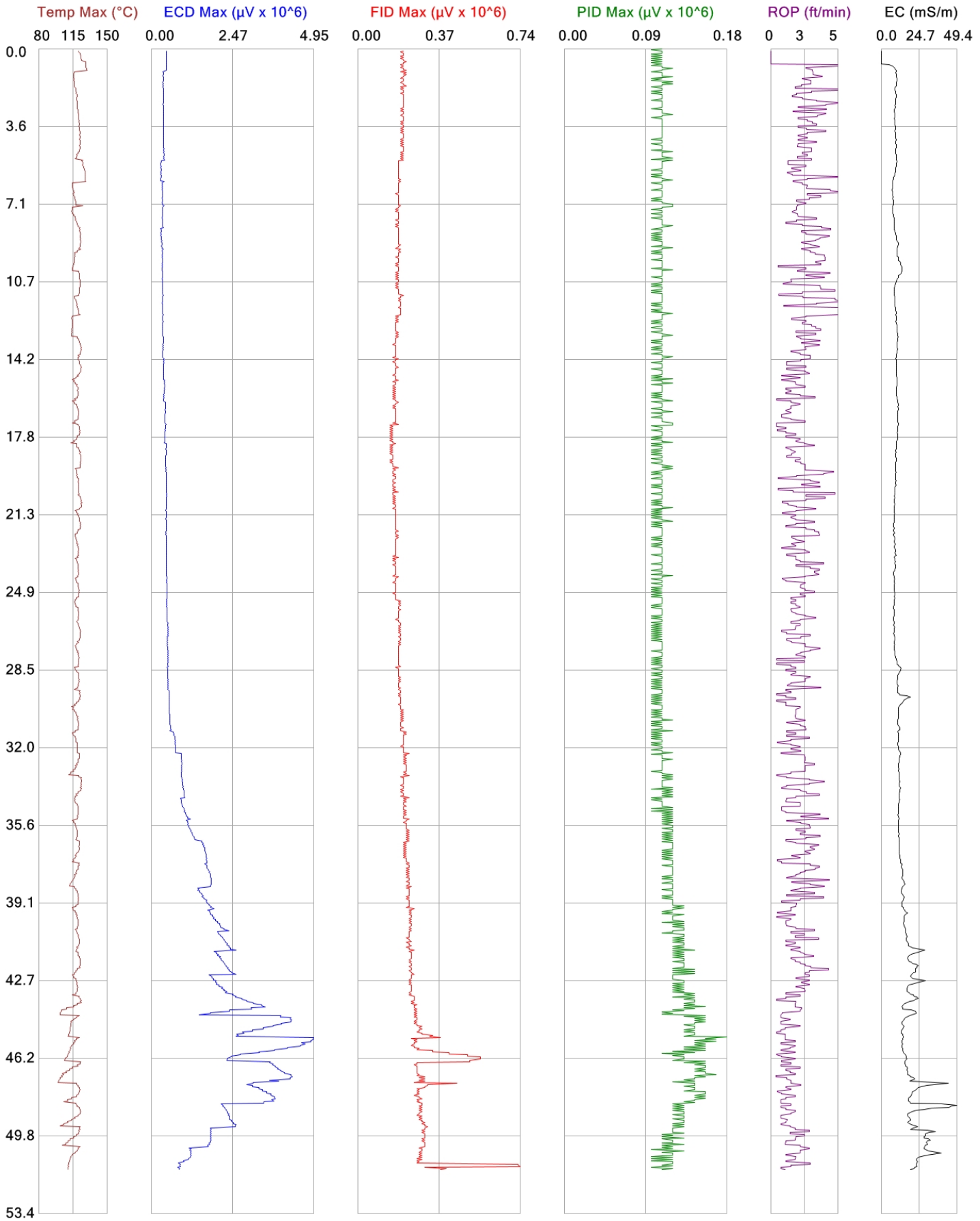
COLUMBIA TECHNOLOGIES

	File: MIP-23
Client: ARCADIS	Date: 11/9/2009
Project ID: Hunter Army Air Field Area 15	Location:



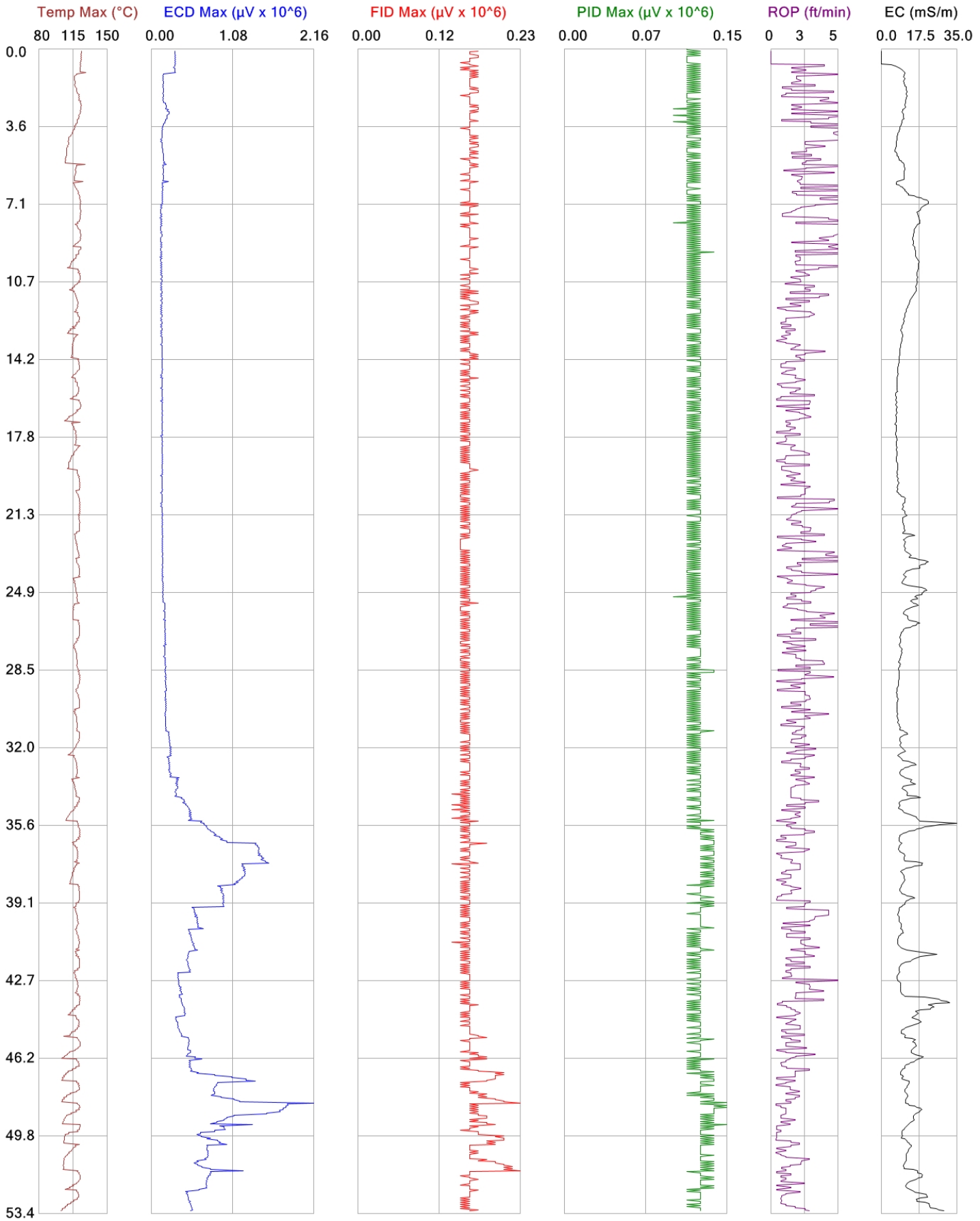
COLUMBIA TECHNOLOGIES

	File: MIP-24
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Project ID: Hunter Army Air Field Area 15	Location:



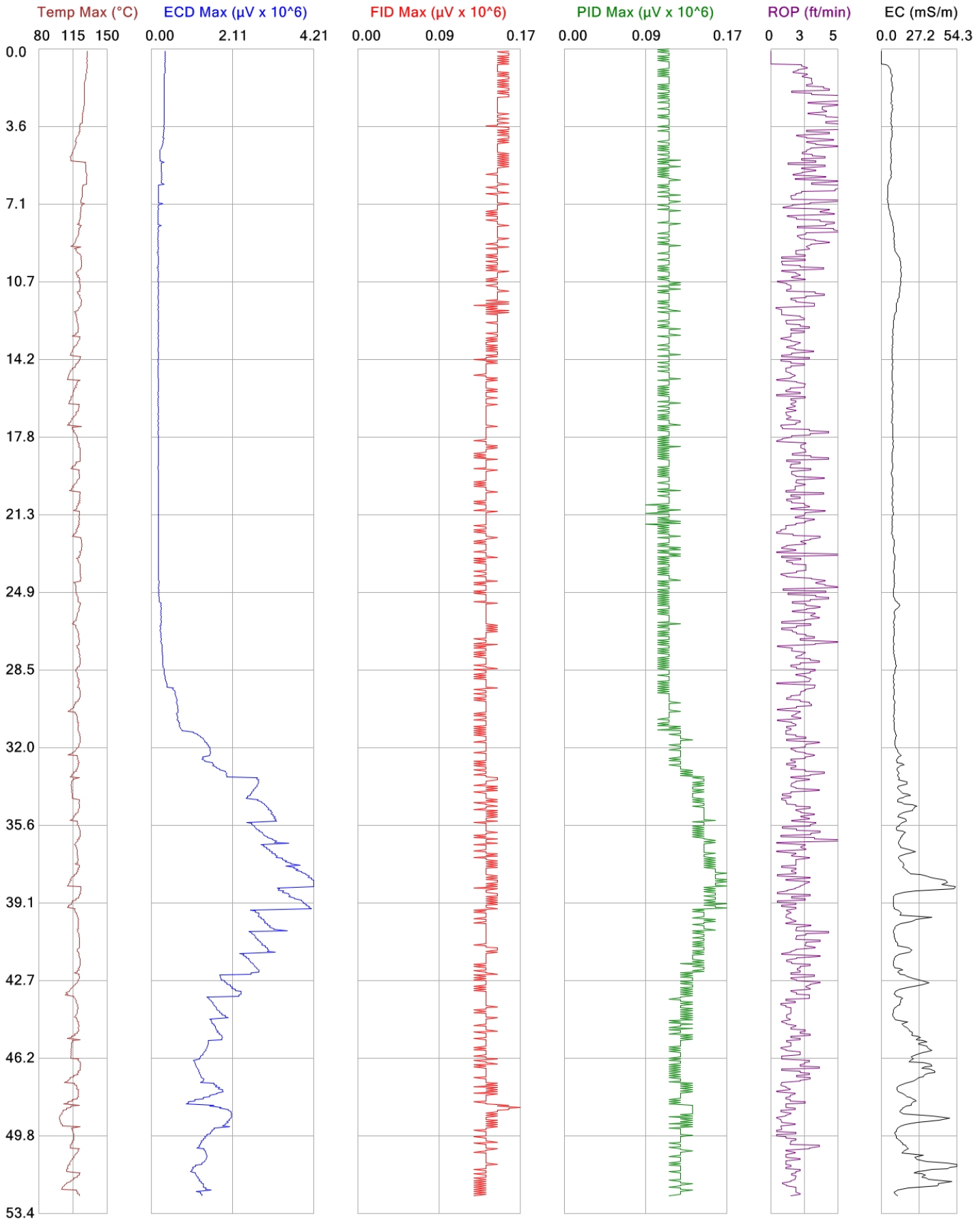
COLUMBIA TECHNOLOGIES

	File: MIP-25
Client: ARCADIS	Date: 11/9/2009
Project ID: Hunter Army Air Field Area 15	Location:



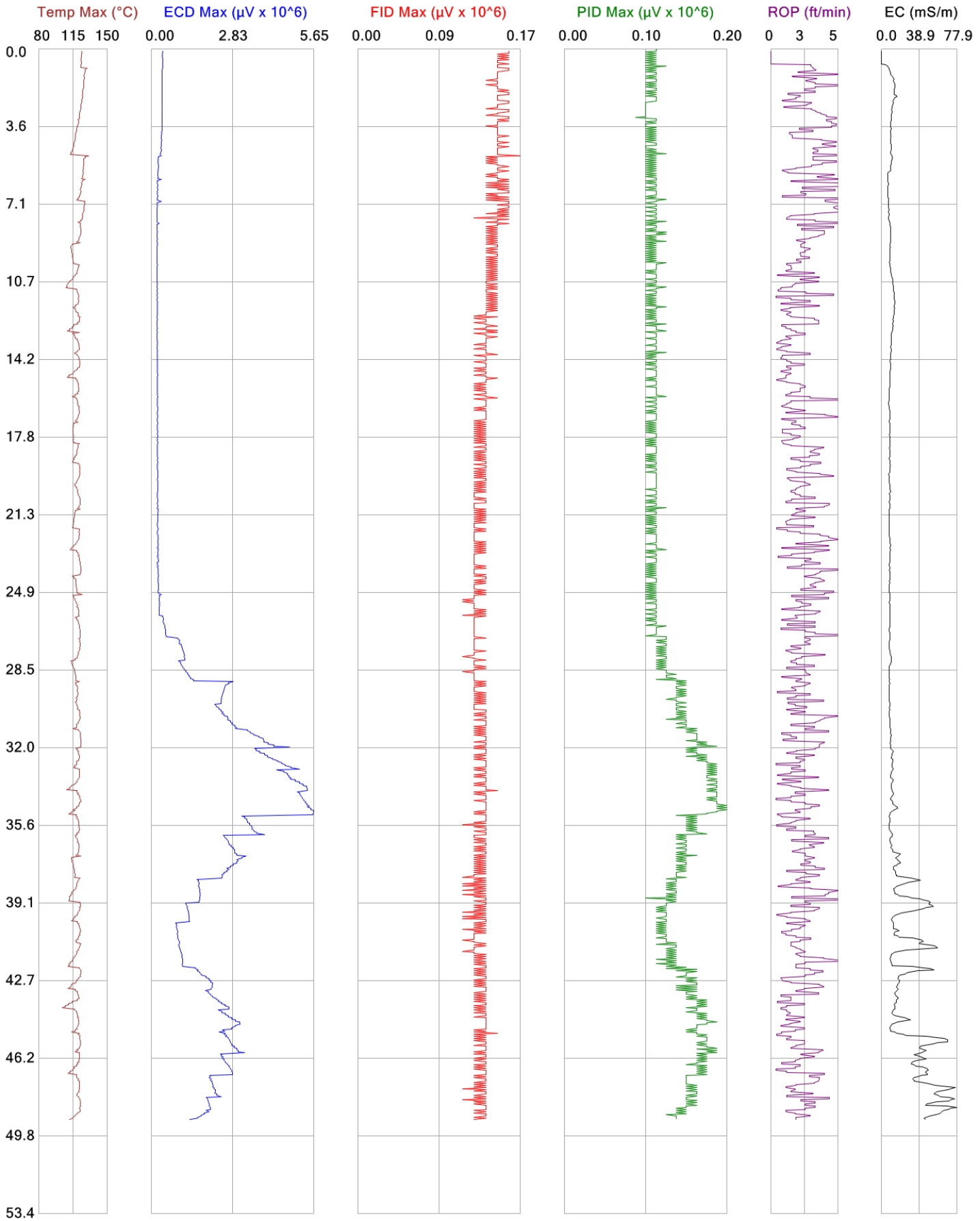
COLUMBIA TECHNOLOGIES

	File: MIP-45
Client: ARCADIS	Date: 11/12/2009
Project ID: Hunter Army Air Field Area 15	Location:



COLUMBIA TECHNOLOGIES

	File: MIP-46
Client: ARCADIS	Date: 11/12/2009
Project ID: Hunter Army Air Field Area 15	Location:



COLUMBIA TECHNOLOGIES

	File: MIP-47
Client: ARCADIS	Date: 11/12/2009
Project ID: Hunter Army Air Field Area 15	Location:

Borehole ID: HGL2 (GW046)

Project No: OMA009-001-02-02-03 ***Date:*** 3/1/2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 12.88
Northing(ft): 740673.98 ***Easting(ft):*** 975182.18

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
				9	N/A				Topsoil
4		***Silty Sand*** Light olive gray (5Y 6/1), very moist, 80% medium sand, 20% silt at 5' wet	SM	7	100%	1-2-4-2	1.1	▼	
6		***Well Graded Sand*** Light olive gray (5Y 6/1), wet, 95% medium to fine sand	SW		100%	1-2-4-6	3.2		
8		at 10' brown organic zones - appear to be wood fibers			100%	4-3-5-5	6.3		
10					100%	2-3-6-12	6.3		
12				0	100%	1-2-3-6	9.7		
		Silty Sand	SM						
14		***Poorly Graded Sand*** Light olive gray (5Y 6/1), wet, well sorted, coarse sand at 14' coarsening downwards to very coarse	SP	-3	100%	3-5-6-5	8.8		
16		***Well Graded Sand*** Light olive gray (5Y 6/1), wet, coarse to medium sand with silty zoness	SW	-4	100%	3-5-6-8	9.6		
18		***Silty Sand*** Medium gray (N5), wet, 80% medium to fine sand, 20% silt	SM	-7	100%	5-7-9-6	9.6		
20									

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 44'
Sheet 1 of 3

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL2 (GW046)

Project No: OMA009-001-02-02-03 ***Date:*** 3/1/2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 12.88
Northing(ft): 740673.98 ***Easting(ft):*** 975182.18

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22		at 20' coarse to medium sand grading to a fine sand with 15% silt at 21.5' medium bluish gray (5B 5/1)	SM	-9	100%	7-6-6-7	9.5		
24		***Clayey Silt*** Medium gray (N5), very moist to wet, slightly plastic, soft, 55% silt, 45% clay	ML	-12	50%	5-4-5-11	6.7		
26		***Poorly Graded Sand*** Medium bluish gray (5B 5/1), wet, slightly dense, fine sand with little silt (<5%)	SP	-13	40%	4-3-7-11	4.1		
28		***Silty Sand*** Medium bluish gray (5B 5/1), wet, slightly dense, coarse sand with 15% silt	SM		50%	4-4-4-5	4.8		
30					40%	4-3-5-4	5.7		
32		at 30' to 32' clayey silt lenses (0.5" thick), trace gravel (subround, 0.125" x 0.125")			95%	4-3-5-4	4.2		
34					90%	12-24-27-29	5.7		
36		at 34' to 36', minor clayey silt lenses			50%	7-10-10-10	4.8		
38		***Clayey Silt with Sand*** No recovery	ML SP	-25 -27	70% NR	6-13-16-12 6-9-9-7	6.9 NR		
40									

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 44'
Sheet 2 of 3

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL2 (GW046)

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): 740673.98

Date: 3/1/2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): 12.88
Easting(ft): 975182.18

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
42		***Poorly Graded Sand*** Light olive gray (5YR 6/1), wet, slightly dense, medium sand with little silt (<5%) at 42' clayey silt lenses	SP	-30	95	6-7-9-8	5.6		Bottom of borehole at 44'. Soil sampled to depth with 4.25" augers. Installed nested wells with 8.25" augers.
44		***Clayey Silt*** Dark greenish gray (5GY 4/1), moist, slightly stiff to slightly soft, slightly plastic, 50% clay, 50% silt	ML	-31	85	_____	6.9		1130 Scan soil samples with PID. High moisture in bags (sweaty).
46									
48									
50									
52									
54									
56									
58									
60									

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 44'
Sheet 3 of 3

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-3

Project No: OMA009-001-02-02-03 ***Date:*** 3-8-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 14.45
Northing(ft): 741606.43 ***Easting(ft):*** 976012.78

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2		***Silty Sand*** Dark yellowish brown, moist, 70% very fine sand, 30% silt	SM	10	N/A				
4		***Silty Clay with Sand*** Light olive gray (5Y 6/1) with dark yellowish orange (10YR 6/6) and grayish blue green (5BG 5/2) mottling, wet, stiff, 50% clay, 45% silt, 5% sand	CL	9	95	2-3-3-12	4.2	▼	Appears to be HC staining in 4' to 5.5' soil sample
6		***Poorly Graded Sand*** Pale yellowish brown (10YR 6/2), wet, fine sand at 6' - 6.5' and 7.75' - 8' silty clay zones (same as 4' - 5.5')	SP	6	95	10-8-6-5	1.6		
8			ML	5	95	1-1-2-6	8.6		
10		***Clayey Silt*** Dusky yellowish green (5GY 5/2), wet, soft, moderately plastic, 60% silt, 40% clay	SP		95	2-2-6-7	5.1		
12		***Poorly Graded Sand*** Dusky yellowish green (5GY 5/2), wet, loose, 100% fine sand at 9.75' light gray (N7) at 11' medium gray (N5), minor 0.125" silty clay lense		0	95	3-4-4-4	2.7		
14			SM	-1	90	8-10-13-12	2.7		
16		***Clayey Silty Sand*** Dark greenish gray (5GY 4/1), wet, soft, 55% fine sand, 30% silt, 15% clay	SP	-2	80	10-20-32-35	3.6		
		Poorly Graded Sand Medium light gray (N6)	SM	-3					
18		***Clayey Silty Sand*** Dark greenish gray (5GY 4/1)	SP	-4					
		Poorly Graded Sand	SM	-5	90	11-13-12-12	7.6		
20		***Silty Sand***	SP	-6					

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 1 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-3

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): 741606.43

Date: 3-8-2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): 14.45
Easting(ft): 976012.78

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22		***Poorly Graded Sand***				13-13-20-20			Due to heaving sand stop split spoon sampling at 24'. Begin logging cuttings from augers
		Silty Sand with Clayey Silt/Silty clay Medium gray (N5)				4-4-6-17	6.8		
24									20 - 25 Auger = Medium gray (N5), wet, clasts of clayey silt/silty clay (50% silt / 50% clay) in a silty sand matrix
26									25 - 30 Auger = Same as 20 -25 Auger
28							6.8		
30		***Clayey Silt/Silty Clay with Sand***	N/A	-16	N/A				30 - 35 Auger = Medium gray (N5), wet, clayey silt/silty clay with sand (10%) and gravel (10%), (40% clay, 40% silt)
32							9.7		
34									35 - 40 Auger = Same as 30 - 35 Auger
36									Drill first with 2.25" augers to collect soil samples. Install wells by drilling with 6.625" augers.
38							7.2		
40				-26					

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 2 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-4 (GW074)

Project No: OMA009-001-02-02-03 ***Date:*** 3-7-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 21.82
Northing(ft): 739959.81 ***Easting(ft):*** 977120.06

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2		***Poorly Graded Sand*** Grayish brown (5YR 3/2), moist, very fine sand at 2' dark yellowish orange (10YR 6/6)	SP						Post hole dig to 4' Drill to 26' with 2.25" augers. Log 26' - 40' to confirm screen interval. Cuttings Log 0 - 5' Very fine sand with trace silt, mix of grayish brown and medium gray, very moist, soft 5' - 10' same as 0 - 5' but dusky brown, wet Light brownish gray, wet, silty sand (70% fine sand, 30% silt) 15' - 20' Same as 10' - 15' 20' - 25' same as above
4									
6									
8									
10									
12									
14									
16									
18									
20									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 1 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-4 (GW074)

Project No: OMA009-001-02-02-03 ***Date:*** 3-7-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 21.82
Northing(ft): 739959.81 ***Easting(ft):*** 977120.06

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22									
24									
26				-4					
		Poorly Graded Sand Greenish gray (5GY 6/1), wet, 100% fine sand			50%	6-4-3-8	4.9		
28		at 28.5' - 29' lenses of clayey silt			80%	4-5-8-10	4.8		
			SP						
30					95%	2-3-2-7	5.7		Drill with 2.25" augers to collect soil samples by split spoon. Drill with 6.625" augers to install nested wells (HGL-4B at 24', HGL-4C at 40').
32									
			ML	-11					
		Clayey Silt with Sand Greenish Gray (5GY 6/1), wet, soft, slightly plastic, 70% silt, 25% clay, 5% sand	SP		90%	5-2-5-2	4.9		
34			ML	-12					
			SM		90%	10-12-28-26	4.7		
		Silty Sand Light olive gray (5Y 6/1), very moist, 75% very fine sand, 25% silt at 36.5' - 36.75' silty slay							
36			CL	-15	90%	8-21-32-34	6.0		
		Clayey Silt Light olive gray, wet, coarse sand with 5% gravel (subround, white quartz)							
38			SP		90%	8-22-28-30	6.1		
				-18					
40									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 2 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

HydroGeoLogic, Inc

Borehole ID: HGL-5 (GW078)

Project No: OMA009-001-02-02-03 ***Date:*** 3-7-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 29.10
Northing(ft): 737145.53 ***Easting(ft):*** 977508.03

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2				25	N/A				Hand auger to 4'
4		***Poorly Graded Sand*** Brownish black (5YR 2/1), very moist, roots, 95% fine sand, 5% silt at 4.5' wet	SP	23	100%	6-6-8-10	5.2	▼	
6		at 5' Dark yellowish brown (10YR 4/2) ***Silty Sand*** Dark yellowish brown, wet, soft, 70% very fine sant, 30% silt	SM	21	60%	3-1-2-8	3.8		
8		***Sand with Silt*** Light olive gray (5Y 6/1), wet, slightly dense, 95% fine sand, 5% silt	SP	19	80%	8-9-4-4	6.6		
10		***Poorly Graded Sand*** Light gray (N7), wet, slightly dense, 100% fine sand at 10.5' minor silt lenses (0.125" thick)			90%	5-9-5-9	4.9		
12					90%	3-2-3-8	7.7		
14				14	90%	3-5-4-4	4.9		
16		***Fine Sand with Silt*** Greenish gray (5G 6/1), wet, soft, fine sand with 5% - 10% silt			NR	2-3-2-3	NR		
18					95%	3-3-4-6	5.2		
20									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 1 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-5 (GW078)

Project No: OMA009-001-02-02-03 ***Date:*** 3-7-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 29.10
Northing(ft): 737145.53 ***Easting(ft):*** 977508.03

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22			SP		95%	3-2-3-6	5.8		
				6					
		Clayey Silt	ML		95%	5-6-7-7	7.7		
24		***Poorly Graded Sand*** Greenish gray (5GY 6/1), wet, slightly dense, fine sand			95%	6-6-7-8	8.4		
26		at 25' clayey silt lense							
		at 29' transition to very fine sand			95%	10-8-6-6	2.8		
28		at 30' color change to medium light gray (N6)	SP		95%	10-8-8-12	6.5		
30					95%	4-5-5-7	7.5		PID readings appear to be affected by moisture from soil samples.
32					95%	9-6-4-6	5.1		
34				-5					
		Clayey Silt	ML		95%	3-1-2-8	9.8		Collect split spoon soil samples to 40' via 2.25" augers. Install nested wells to 39' with 6.625" augers.
		Poorly Graded Sand/Clayey Silt	SP/ ML	-7					
36		***Clayey Silt***	ML	-7					
		Fine Sand with Silt	SP	-8	85%	3-3-4-4	9.8		
		Clayey Silt	ML						
38		at 37.75 - 38' fine sand with silt	SP						
			ML	-10	90%	1-3-1-13	9.6		
40		***Fine Sand with Silt***	SM	-11					

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 2 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-8 (GW065)

Project No: OMA009-001-02-02-03 ***Date:*** 3/5/2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 26.07
Northing(ft): 739539.95 ***Easting(ft):*** 975084.26

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2				22	N/A				Post hole dig to 4'. Sample with split spoons from 4' to total depth.
4		***Poorly Graded Sand*** Pale brown (5YR 5/2), very moist to wet, very fine sand with trace silt at 6' wet			15%	4-2-3-4	6.3		
6					100%	4-4-4-9	2.8	▼	
8		at 11.5' - 12' pale brown (5YR 5/2) with 30% medium gray (N5) mottling at 12' grayish orange (10YR 7/4)	SP		100%	10-12-20-32	2.9		
10		at 15' trace gravel, trace clayey silt nodules			100%	4-5-12-20	3.3		
12		at 17' trace black (N1) gravel, trace silt nodules			80%	14-15-10-12	2.7		
14					95%	12-8-17-24	2.9		
16					95%	15-13-12-13	1.9		
18		***Sand with Silt*** Medium gray (N5), wet, slightly soft, 90% very fine sand, 10% silt		8	80%	3-2-3-11	3.5		
20									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 44'
Sheet 1 of 3

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

HydroGeoLogic, Inc

Borehole ID: HGL-8 (GW065)

Project No: OMA009-001-02-02-03 ***Date:*** 3/5/2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 26.07
Northing(ft): 739539.95 ***Easting(ft):*** 975084.26

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
				4	85%	4-5-1-1	3.3		
22		***Sandy Silt with Clay***	ML						
		Sand with Silt Medium gray (N5), wet, slightly soft, 90% very fine sand, 10% silt at 23.5' - 24' clayey silt lenses	SP	2	80%	2-3-2-5	3.9		
24		***Clayey Silt with Sand*** Medium gray (N5), wet, soft, moderately plastic, 50% silt, 30% clay, 20% very fine sand	ML	1	90%	1-1-1-3	1.7		
26		***Silty Sand*** Medium gray (N5)	SM ML	0 -1	90%	1-2-3-4	4.2		
28		***Clayey Silt with Sand*** Medium gray (N5), wet, soft, moderately plastic, 50% silt, 30% clay, 20% very fine sand			80%	5-5-7-8	2.8		
30		***Silty Sand*** Medium gray (N5), wet, soft, 80% very fine sand, 20% silt, 30% 0.25" thick clayey silt lenses throughout interval	SM		90%	1-3-1-4	1.5		
32		at 32' 70% very fine sand, 30% silt with some clay		-8	95%	3-2-2-3	2.9		
34		***Clayey Silt***	ML						
		Sand with Silt Medium gray (N5), very moist to wet, loose, 95% coarse sand, 5% silt	SP	-10	90%	4-5-10-24	2.3		
36		***Poorly Graded Sand*** Medium gray (N5), wet, coarse sand with trace silt			80%	17-18-18-16	1.8		
38		at 39' medium sand with 40% clayey silt lenses (0.125" thickness)			40%	12-13-15-24	3.6		
40				-14					

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 44'
Sheet 2 of 3

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-8 (GW065)

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): 739539.95

Date: 3/5/2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): 26.07
Easting(ft): 975084.26

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
42		at 41.5' - 42' clayey silt lenses	SP		50%	11-13-15-20	2.3		Drilled to depth with 2.25" augers for split spoon sampling. Installed nested monitoring wells with 6.625" augers (deep well at 44', intermediate well at 23').
44				-18	60%	15-24-38-30	2.7		
46									
48									
50									
52									
54									
56									
58									
60									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 44'
Sheet 3 of 3

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-9 (GW070)

Project No: OMA009-001-02-02-03 ***Date:*** 3-6-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 34.26
Northing(ft): 738487.49 ***Easting(ft):*** 974363.98

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2		***Poorly Graded Sand*** Grayish brown (5YR 3/2), moist, 100% fine sand			N/A				Post hole dig to 4'
4		at 4' yellowish gray (5Y 7/2), moist, loose, 100% fine sand			70%	8-8-8-8	3.4		
6		at 5' dark yellowish brown (10YR 4/2) mottling at 6' Light brown (5YR 5/6)	SP		80%	3-4-3-6	1.6	▼	
8		at 7' very pale orange (10YR 8/2) with dark yellowish orange mottling			60%	5-5-8-11	4.4		
10		at 9.65' light brown (5YR 6/4)			90%	8-10-11-18	2.6		
12					90%	8-4-5-8	2.2		
14		***Silty Sand with Clay***	SM	21					
		Clayey Silt	ML	20	95%	3-4-6-7	5.1		
16		***Silty Clay*** Light gray (N7) with dark yellowish orange mottling (20%), moist, moderately stiff, moderately plastic	CL	18					
18		***Poorly Graded Sand*** Dark yellowish orange (10YR 6/6), wet, 100% very fine sand, trace silty clay lenses (0.25" thickness) at 18.75' yellowish gray (5Y 8/1)	SP		90%	6-7-8-6	2.9		
20		at 20' 2" lense of clayey sand with silt		14	90%	7-6-6-7	2.4		

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 1 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL-9 (GW070)

Project No: OMA009-001-02-02-03 ***Date:*** 3-6-2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 34.26
Northing(ft): 738487.49 ***Easting(ft):*** 974363.98

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22		at 21' very light gray (N8) with 20% dark yellowish orange (10YR 6/6) mottling			90%	4-4-3-3	4.5		
					60%	3-3-2-1	3.5		
24		at 24' grayish yellow (5Y 8/4), medium sand			70%	6-5-4-5	1.7		
26		at 25.5' very light gray (N8), fine sand,slightly dense			80%	3-3-3-4	3.7		
28		at 27' medium light gray (N6)	SP		60%	4-6-8-7	3.4		
30					80%	4-4-5-6	4.1		
32					90%	4-4-4-4	3.0		
34					95%	1-6-2-8	4.8		Drill with 2.25" augers to collect split spoon soil samples. Drill with 6.625" augers to install nested wells (HGL-9B at 24', HGL-9C at 39').
36				-2					
		Silty Sand with Clayey Silt	SM	-3	90%	1-1-8-14	3.7		
38		***Poorly Graded Sand***	SP	-4					
		Silty Clay	CL	-6	90%	2-3-3-3	3.1		
40									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: GP1100E

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 2 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL10

Project No: OMA009-001-02-02-03 ***Date:*** 3/1/2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 23.60
Northing(ft): 738587.43 ***Easting(ft):*** 977800.86

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2		***Clayey Silt*** Dusky brown (5YR 2/2), slightly soft, 80% silt, 20% clay	ML		N/A				Top soil above clayey silt Hand auger to 4'
4				19	80%	1-2-5-6	2.2	▼	
6		***Poorly Graded Sand*** Dark yellowish orange (10YR 6/6), wet, very fine sand with trace clayey silt lenses (1/8" thick)	SP		50%	1-2-4-2	2.0		
8					50%	4-3-5-5	2.8		
10					100%	2-3-6-12	2.6		
12					100%	1-2-3-6	2.7		
14					100%	3-5-6-5	2.8		
16					50%	3-5-6-8	2.6		
18				6	55%	5-7-9-6	2.8		
20									

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 1 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: HGL10

Project No: OMA009-001-02-02-03 ***Date:*** 3/1/2006
Project: Monitoring Well Installation ***Geologist:*** M. Jackson
Client: USACE ***Checked By:*** P. Dacyk
Location: MCA Barracks - Hunter AAF ***Ground Surface Elevation(ft msl):*** 23.60
Northing(ft): 738587.43 ***Easting(ft):*** 977800.86

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22		Dark yellowish orange (10YR 6/6), wet, very fine sand with trace clayey silt lenses (1/8" thick)	SP		50%	7-6-6-7	2.9		
		at 20' same as above but trace clayey silt lenses			30%	2-4-9-7	3.2		
24		at 24' color change to grayish orange (10YR 7/4)			100%	5-4-5-11	2.8		
26		at 26' color change to grayish orange (10YR 7/4) with dark yellowish orange (10YR 6/6) mottling (40%)			50%	4-3-7-11	2.6		
28					10%	4-4-4-5	2.1		
30		at 30' trace clayey silt lenses (1/16" thick)			40%	15-14-26-23	1.9		
32					NR	7-8-16-22	NR		
34		at 34' grayish orange			90%	9-12-22-31	1.6		
36				-13	NR	6-7-11-13	NR		Lithology for 37' to 40' based on last auger removed from boring. Drilled down to 40' for lithology (4.25 HSA). Drilled back down to 40' (8.25 HSA) to install nested wells (HGL10B, HGL10C).
38		***Clayey Silt*** Medium gray (N5), wet, slightly plastic, 55% silt, 45% clay	ML		NR	7-5-12-12	NR		
40				-16					

Drilled By: SAEDACCO
Drill Method: 2.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 4.375"
Total Depth Drilled: 40'
Sheet 2 of 2

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: GW054

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): NA

Date: 2/27/2006 & 2/28/2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): NA
Easting(ft): NA

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2					N/A				Hand auger to 4'
4				-4					
		Poorly Graded Sand Pale yellowish brown (10YR 6/2), moist, 100% very fine sand			80	2-4-5-6	1.3	▼	
6		at 6' color change to pale brown (5YR 5/2) and very moist			90	2-3-8-7	1.5		
8					NS	____	NS		
10			SP		NS	____	NS		
12		Moderate yellowish brown (10YR 5/4), wet, slightly dense, very fine sand		-12	95	8-13-15-15	1.6		
14					95	8-15-15-16	3.0		
16					95	3-3-4-8	0.8		
18					95	3-5-5-6	1.6		
20				-20					

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 78'
Sheet 1 of 4

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

HydroGeoLogic, Inc

Borehole ID: GW054

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): NA

Date: 2/27/2006 & 2/28/2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): NA
Easting(ft): NA

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
22		at 21.5' to 21.75' minor color zone: light olive gray (5Y 6/1) at 22' color change to moderate yellowish brown (10YR 5/4)	SP		100	3-4-5-6	2.1		
24		at 24' moderate yellowish brown (10YR 5/4) with olive gray (5Y 4/1) mottling			100	3-4-6-5	1.4		
26					100	4-5-4-6	2.1		
28					95	4-5-8-9	2.8		
30					100	4-7-4-5	3.0		
32					100	4-2-3-4	3.0		
34		at 32' color change to pale yellowish brown (10YR 6/2)			100	5-4-6-2	3.1		
36		***Sand with Clay*** Medium gray (5/N5), wet, slightly dense, 95% very fine sand, 5% clay (some zones 70% sand, 30% clay)		-35	100	3-3-3-6	1.8		
38		at 36' some zones of clayey sand, 55% very fine sand, 45% clay, soft, plastic			100	2-2-3-6	1.6		
40		at 38' some zones of sand with clay (5% clay)			100	4-4-4-5	2.2		

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 78'
Sheet 2 of 4

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

HydroGeoLogic, Inc

Borehole ID: GW054

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): NA

Date: 2/27/2006 & 2/28/2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): NA
Easting(ft): NA

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
			SP	-41	100	2-6-7-10	1.7		
		Silty Clay/Sand Medium gray (N5), zones of silty clay and med./coarse sand	CL/ SW	-42					
42		***Poorly Graded Sand*** Medium gray (N5), wet, 100% fine sand at 43.75' medium to coarse sand, trace gravel (0.5" x 0.25", subround, quartz)	SP	-44	100	4-6-3-6	1.8		
44		***Well Graded Sand*** Medium gray (N5), wet, 50% coarse sand, 50% medium sand with trace gravel	SW		100	4-5-6-6	1.8		
46		at 46' lenses of silty clay			100	5-5-3-3	2.3		
48		***Clayey Silt*** Medium dark gray (N4), very moist, slightly plastic, slightly soft, 70% silt, 30% clay	ML	-48	100	8-6-5-7	2.2		
50		at 50' 55% silt, 45% clay		-51	100	2-2-3-2	2.1		
52		***Poorly Graded Sand*** Light gray (N7), very moist, slightly dense, 100% fine sand	SP		100	6-17-48-50/3	1.6		
54		at 52' wet			100	4-6-10-20	1.5		
56		***Clayey Silt*** Medium dark gray (N4), very moist, slightly plastic, slightly stiff, 55% silt, 45% clay	ML	-56	100	13-48-50/2	2.2		Sand along side of clayey silt within 56'-58' spoon
58		***Poorly Graded Sand*** Light olive gray (5Y 6/1), wet, slightly dense, 100% very fine sand	SP	-58	100	5-9-19-27	1.8		
60									

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 78'
Sheet 3 of 4

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

Borehole ID: GW054

Project No: OMA009-001-02-02-03
Project: Monitoring Well Installation
Client: USACE
Location: MCA Barracks - Hunter AAF
Northing(ft): NA

Date: 2/27/2006 & 2/28/2006
Geologist: M. Jackson
Checked By: P. Dacyk
Ground Surface Elevation(ft msl): NA
Easting(ft): NA

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
62			SP		100	5-7-9-13	2.3		
					100	5-9-9-13	1.5		
64					100	3-5-6-12	2.7		
66					95	3-4-3-3	3.3		
				-68					
68		***Clayey Silt*** Medium dark gray (N4)	ML	-68					
		Poorly Graded Sand Light olive gray (5Y 6/1), wet, 100% fine sand			95	3-4-3-3	3.7		
70			SP		95	2-6-6-8	2.2		1100 Install temporary wel from 73' - 78'. Purge 3 well volumes. DTW=9.06. Allow well to stabilize after purge.
72					95	4-5-10-10	3.1		
74		at 74' 100% medium sand		-75	50	19-20-29-40	3.4		1230 Collect groundwater sample (MCA-GW054-78-0206).
		Clayey Silt Medium dark gray (N4), moist, slightly stiff, slightly plastic, 60% silt, 40% clay at 75.5 70% silt, 30% clay							Four (4) drums of soil generated from GW054 (4' from XX-20).
76			ML		85	_____	2.8		
78				-78					
80									

Drilled By: SAEDACCO
Drill Method: 4.25" HSA
Drilling Equipment: Mobile

HGL
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Boring Diameter: 8.5"
Total Depth Drilled: 78'
Sheet 4 of 4

Sampling Equipment: 2' split spoon, 2" diameter (Driven by 140 lb. hammer with 30" drop)

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well: H15-SEP-01 | Project/No.: GP08HAFS.H15B.DG0FI | Page: 1 of 1

Site Location: HAA-15 MCA Barracks Site | Drilling Started: 12/18/2009 | Drilling Completed: 12/18/2009

Drilling Contractor: ARM Environmental Services, Inc. | Driller: Josh | Helper: Mike

Drilling Fluid Used: N/A | Drilling Method: DPT Geoprobe

Length and Diameter of Coring Device: 5-foot Macrocore | Sampling Interval: Continuous feet

Land-Surface Elev.: feet ☐ Surveyed ☐ Estimated | Datum:

Total Depth Drilled: 45 Feet | Hole Diameter: 2.0 | Coring Device:

Prepared By: JDF | Hammer Weight: | Hammer Drop: ins.

Sampling Data:

Depth		Grab/Composite	Time	Laboratory Analysis
22	23	Grab	945	VOCs - 8260B
38	39	Grab	950	VOCs - 8260B
44	45	Grab	1000	VOCs - 8260B

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	OVM Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0		5.0		N/A	0.0 - 5.0 - 10 YR 6/6 brownish yellow soft CLAY and poorly sorted medium-
			0.0		to coarse-grained subrounded SAND
	5.0		0.1		
5.0		5.0	0.6	N/A	5.0 - 7.0 - 10 YR 7/6 yellow well-sorted fine-grained SAND
	10.0		2.6		7.0 - 10.0 - 10 YR 7/3 very pale brown well-sorted fine-grained SAND; wet at 9.0'.
10.0		5.0	0.2	N/A	10.0 - 15.0 - Same as above.
			0.2		
	15.0		0.1		
15.0		5.0	0.1	N/A	15.0 - 20.0 - Same as above.
	20.0		0.4		
20.0		5.0	0.5	N/A	20.0 - 22.0 - Same as above.
			13.3		
	25.0		3.1		22.0 - 25.0 - 10 YR 7/1 light gray well-sorted fine-grained SAND
25.0		5.0	0.7	N/A	25.0 - 27.0 - Same as above
	30.0		0.5		27.0 - 30.0 - 10 YR 8/1 white silty well-sorted fine-grained SAND
30.0		5.0	0.1	N/A	30.0 - 35.0 - 10 YR 5/1 gray silty well-sorted fine-grained SAND, trace muscovite
			0.1		
	35.0		0.2		
35.0		5.0	0.1	N/A	35.0 - 38.0 - Same as above.
					38.0 - 40.0 - 10 YR 5/1 gray interbedded silty well-sorted fine-grained SAND
	40.0		0.1		and soft high plasticity CLAY
40.0		5.0	0.2	N/A	40.0 - 45.0 - Same as above.
			0.2		
	45.0		0.2		
					End of boring at 45.0 feet.

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well: H-15-MW-14B/C | Project/No.: HAA-15 | Page: 1 of 2

Site Location: Hunter Army Airfield | Drilling Started: 7/23/2011 | Drilling Completed: 7/23/2011

Drilling Contractor: Parratt Wolff | Driller: Josh Ellingworth | Helper: James Terry

Drilling Fluid Used: None | Drilling Method: DPT Dual Tube

Length and Diameter of Coring Device: 5-foot length, 2-inch diameter | Sampling Interval: Continuous feet

Total Depth Drilled: 48 Feet | Hole Diameter: 2" | Coring Device: DPT Dual Tube

Prepared By: Josh Frizzell | Hammer Weight: N/A | Hammer Drop: N/A ins.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Sample/Core Description	PID (ppm)
0	1	10YR 7/4 very pale brown silty well sorted fine SAND	
1	2		0.0
2	3		
3	4		
4	5	10YR 8/1 white well sorted fine SAND	0.0
5	6		
6	7		
7	8		0.0
8	9		
9	10	- wet at 10'	
10	11	10YR 6/3 pale brown silty well sorted fine SAND	0.0
11	12		
12	13		
13	14	Grades to 10YR 7/2 light gray silty well sorted fine SAND	0.0
14	15		
15	16		
16	17		0.0
17	18		
18	19		
19	20	19-19.5' is 10YR 6/3 pale brown silty well sorted fine SAND,	0.0
20	21	19.5' starts 10YR 6/2 light brownish gray silty well sorted fine SAND	
21	22		
22	23		0.0
23	24		
24	25		
25	26		0.0
26	27		
27	28		0.0
28	29	10YR 7/1 light gray silty well sorted fine SAND	
29	30		

30	31		0.0
31	32		
32	33		0.0
33	34		
34	35	7.5YR 7/6 reddish yellow silty well sorted fine SAND	
35	36		0.0
36	37		
37	38		
38	39	10YR 5/1 gray interbedded soft high plasticity CLAY and silty well sorted fine SAND	0.0
39	40		
40	41		
41	42		0.0
42	43		
43	44	10YR 5/1 gray well sorted silty fine SAND	0.0
44	45		
45	46	10YR 5/1 gray silty well sorted medium SAND	0.0
46	47	10YR 5/1 gray silty well sorted fine SAND	
47	48		0.0
48	49	- END OF BORING -	
49	50		

ARCADIS
Infrastructure · Water · Environment · Buildings

Well ID: **H15-MW-20E**
Date Begin: **8 - 21 - 2011**
Date End: **8 - 29 - 2011**

Project Name: **HUNTER army AIRFIELD (HAA-15)**
Project No.: **GP08HAFS.H15C.GG0FI**
Geologist/Contractor: **JOHN HANNA / PARRATT WOLFF (JOSH ELLINGWORTH)**
Rig Type: **MUD ROTARY**
Method: **MUD ROTARY**

Site Location: **SAVANNAH, GA**
Total Depth Drilled: **125.5**
Sample Method/Size: **SPLIT SPOONS / 2 ft**
Cutting Disposal: **IDW DRUMS**

Borehole Log

Depth Interval (ft)	Description	Ft. Rec.	USCS Soil	PID (ppm)
46-48	Silty **SAND** with trace amounts of clay, very fine to medium grain size, soft, subangular, moist, well sorted, greenish gray (GLEY1 5/1)		SM	7.1
51-53	Silty clayey **SAND** with trace quartz, very fine grained to small pebble (river gravel), round to angular, poorly sorted, increasing clay near 52.5-53,		SM	9.4
	and at 53 a very organic clay lens, very dark brown (7.5 YR 2.5/2); colors: 51-52 dark gray (GLEY1 4) and 52-53 very dark gray (GLEY1 3)			
56-56.3	River gravel (possible sloghing on top of spoon sample), small pebble, round to subround, various colors		---	1.1
56.3-56.4	Silty **CLAY**, plastic, cohesive, very dark gray (GLEY1 3)		CL	
56.4-57	Silty clayey **SAND**, very fine grain, round, well sorted, medium stiff, moist, rapid dilatancy, very dark gray (GLEY1 3/)		SM	
57-57.3	River gravel, small pebble, round to subround, various colors		---	
57.3-58	Silty **SAND** with trace amounts of clay and phosphate, very fine grain size, soft, round moist, well sorted, dark gray (GLEY1 3/)		SM	
61-63	River gravel (possible sloghing on top of spoon sample) and some silty clayey sand, very fine, small pebble (river gravel),		---	0.0
	round to subround, various colors			
66-66.2	River gravel (possible sloghing on top of spoon sample), small pebble, round to subround, various colors		---	0.3
66.2-68	Silty clayey **SAND**, very fine grain, round, poorly sorted, very soft, moist, rapid dilatancy, very dark gray (GLEY1 3/)		SM	
	Silty **CLAY** lenses 66.4-66.5, 67.3-67.4, and 66.9-67 - clay is plastic, cohesive, very dark gray (GLEY1 3/)		CL	
71-72	Silty sandy **CLAY** and silty **CLAY**, poorly sorted, moist, medium stiff, brittle, nonplastic, not cohesive, dark greenish gray (GLEY1 4/)		CL	0.5
72-73	Silty **CLAY**, firm, brittle, nonplastic, not cohesive, dry, very dark greenish gray (GLEY1 4/1)		CL	
76-78	Silty clayey **SAND**, very fine grain, round, well sorted, very soft, moist, rapid dilatancy, very dark gray (GLEY1 3/)		SM	0.1
81-83	Silty clayey **SAND**, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenishgray (GLEY1 4/1)		SM	0.2
86-88	Silty clayey **SAND**, weak cementation, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenish gray (GLEY1 4/1)		SM	0.0
91-93	Silty clayey **SAND**, weak cementation, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenish gray (GLEY1 4/1)		SM	0.1
96-98	Silty clayey **SAND**, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenish gray (GLEY1 4/1)		SM	0.0
101-103	Silty clayey **SAND**, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenish gray (GLEY1 4/1)		SM	0.0
106-106.8	Silty clayey **SAND**, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenish gray (GLEY1 4/1)		SM	0.0
106.8-107.4	Interphase zone going to silty sandy **CLAY** (see next lithology description)		SM/CL	
107.4-108	Silty sandy **CLAY**, nonplastic, not cohesive, brittle, dry, very dark greenish gray (GLEY1 3/1)		CL	
111-111.8	Silty sandy **CLAY**, noncohesive, brittle, dry, very dark greenish gray (GLEY1 3/1)		CL	0.2
111.8-112	Silty **CLAY**, noncohesive, brittle, dry, very dark gray (GLEY1 3/)		CL	
112-113	Silty sandy **CLAY**, nonplastic, not cohesive, brittle, dry, very dark greenish gray (GLEY1 3/1)		CL	
116-118	Silty clayey **SAND**, very fine grain, round, well sorted, stiff, moist, slow dilatancy, dark greenish gray (GLEY1 4/1)		SM	0.2
123-125	Silty **CLAY**, plastic, well sorted, low plasticity, dark gray-tan		CL	

End of Boring

ATTACHMENT C

GROUNDWATER MONITORING WELL INSTALLATION LOGS

Well ID: HGL-1B/ HGL-1C

HYDRO GeoLogic

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. Jackson
DRILLING CONTRACTOR: SAEDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 6 3/4 HSA

BOREHOLE IDENTIFICATION: HGL-1 (GW 63)
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-1B, HGL-1C

WELL CONSTRUCTION START DATE: 3/4/06
WELL CONSTRUCTION FINISH DATE: 3/4/06

SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25, 30-40
SCREEN SLOT SIZE: 0.010

CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:

TYPE OF FILTER PACK: #2 Filter Sand
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 20 BAGS (50# BAGS)

TYPE OF CEMENT: Portland Cement Type I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 Portland / Bent. Gel

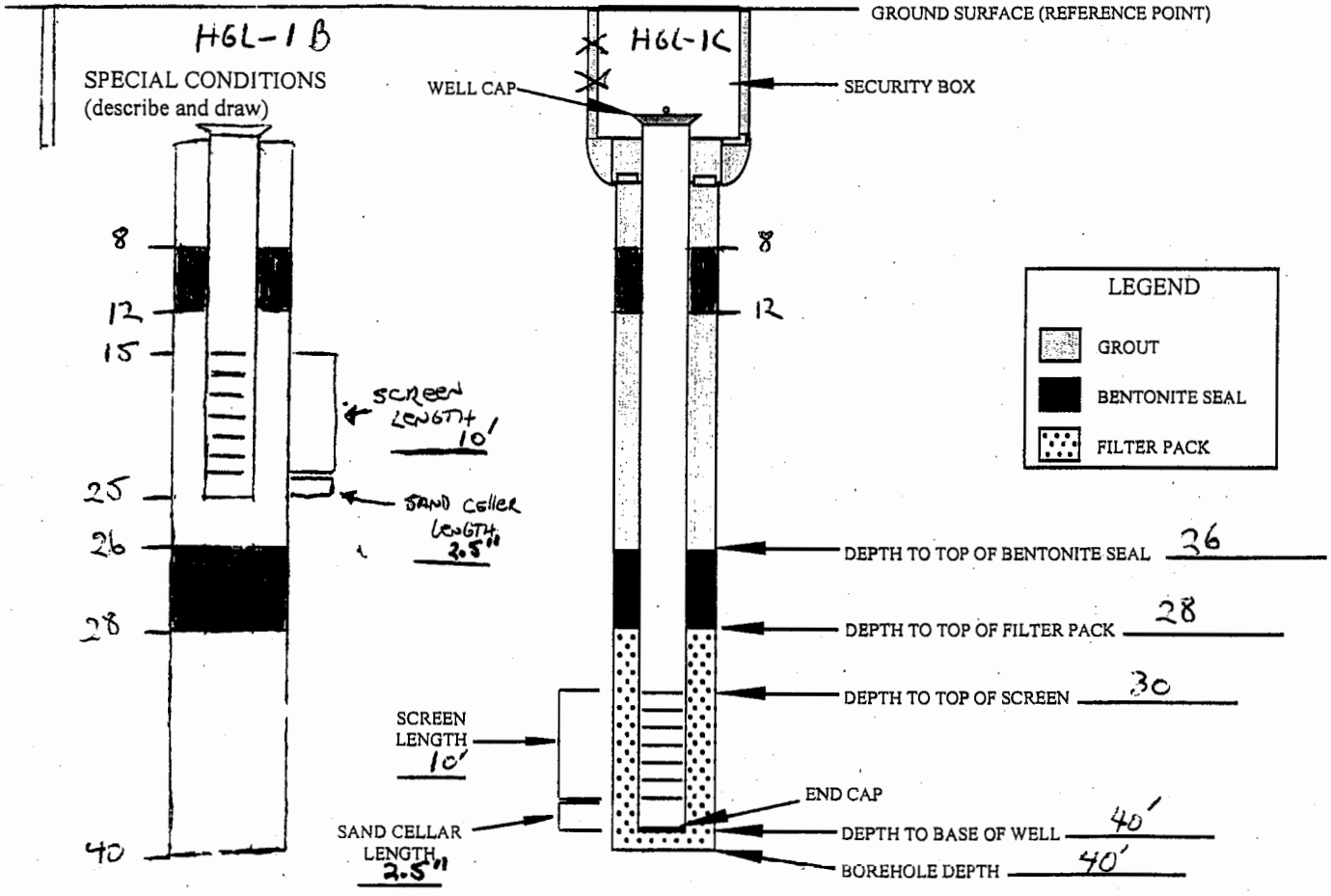
TYPE OF BENTONITE: Bentonite Chips Hole Plug
AMOUNT BENTONITE USED: 1 3/4 BAGS

TYPE OF WELL CAP: 2" Expandable
TYPE OF END CAP: ~~Slip~~ Threaded CAP, PVC

COMMENTS:

HGL-1B

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY: Robert Miller
INSTALLATION OBSERVED BY: Mike Jackson

DISCREPANCIES:
PROJECT NAME: MCA Barracks - Hunter AAF PROJECT #: OMA009-001-02-02-03

HGL-1B → 1 1/4 Bags Bentonite, 11 Bags Sand
HGL-1C → 1/2 Bag Bentonite Hole Plug, 9 Bags Sand

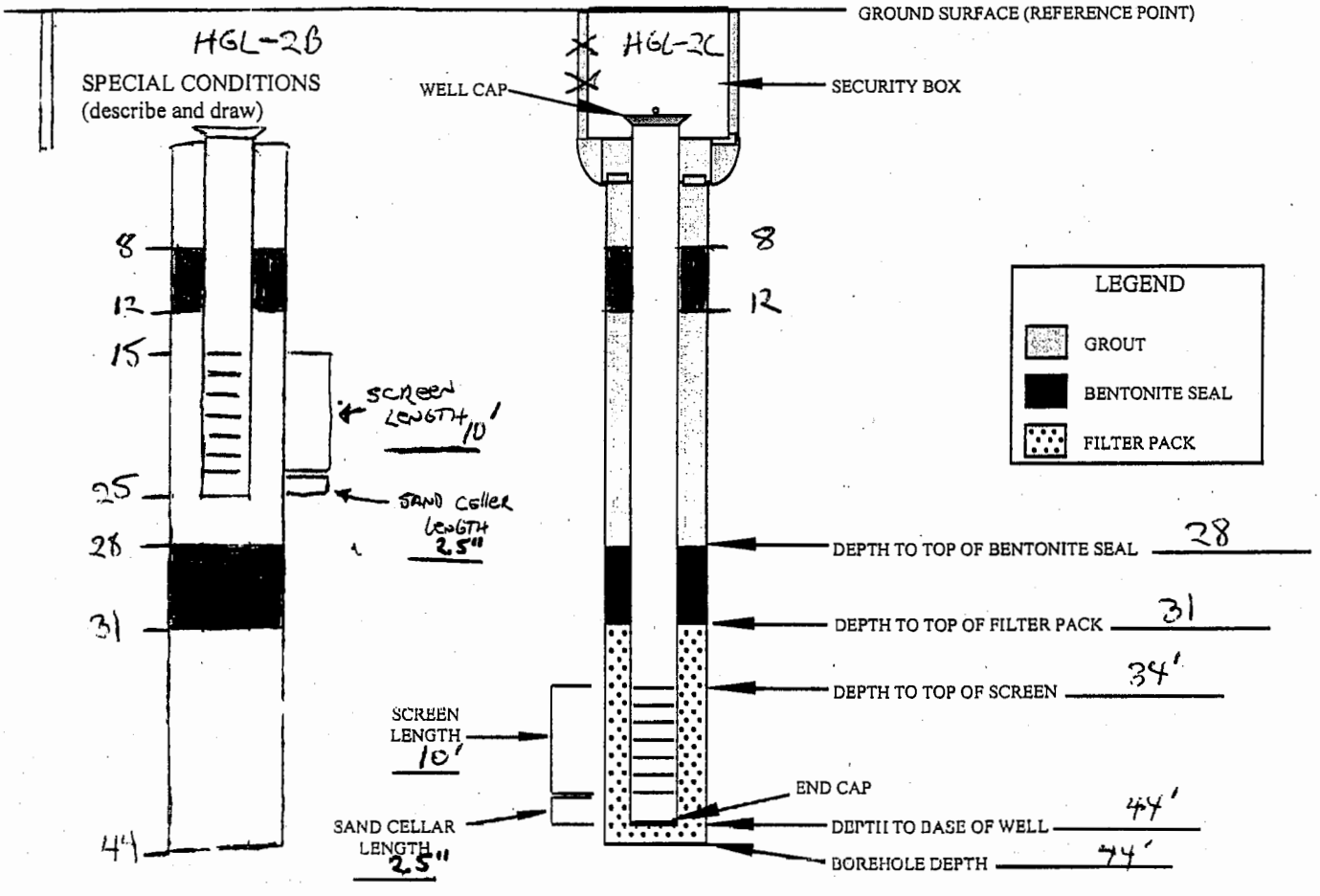
Well ID: HGL-2B/ HGL-2C

HYDRO GeoLogic

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. Jackson
DRILLING CONTRACTOR: SAEDACCO.
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: HSA 8 1/4
BOREHOLE IDENTIFICATION: HGL-2
BOREHOLE DIAMETER: 13.75"
WELL IDENTIFICATION: HGL-2B, HGL-2C
WELL CONSTRUCTION START DATE: 3/1/06
WELL CONSTRUCTION FINISH DATE: 3/1/06
SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25, 34-44
SCREEN SLOT SIZE: 0.010
CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:
TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 21 BAGS (50# BAGS)
TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 3 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND-BENTONITE GEL
TYPE OF BENTONITE: HOLE PLUG
AMOUNT BENTONITE USED: 2 BAGS
TYPE OF WELL CAP: 2" EXPANDABLE
TYPE OF END CAP: PVC SLIP CAP Threaded
COMMENTS: LOG LITHOLOGY WITH 4 1/4" augers. INSTALL NESTED WELLS WITH 8 1/4 AUGERS.



NOT TO SCALE

INSTALLED BY: MICHEAL WILSON
INSTALLATION OBSERVED BY: MIKE JACKSON

DISCREPANCIES:
PROJECT NAME: MCA BARRACKS - HUNTER AAF PROJECT #: CMACO9-001-02-02-03

HGL-2B → 9 BAGS Sand, 1 Bag Bentonite Hole Plug
HGL-2C → 12 BAGS of SAND; 1 Bag Bentonite Hole Plug

Well ID: HGL-3B/ HGL-3C

HYDRO GeoLogic Inc

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. JACKSON
DRILLING CONTRACTOR: SAEDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 6 3/8" HSA

BOREHOLE IDENTIFICATION: HGL-3 (GW76)
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-3B, HGL3C

WELL CONSTRUCTION START DATE: 3/8/06
WELL CONSTRUCTION FINISH DATE: 3/8/06

SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15'-25', 30'-40'
SCREEN SLOT SIZE: 0.010

CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:

TYPE OF FILTER PACK: #2 SAND FILTER
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 23 BAGS (50lb bags)

TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND-BENTONITE GEL

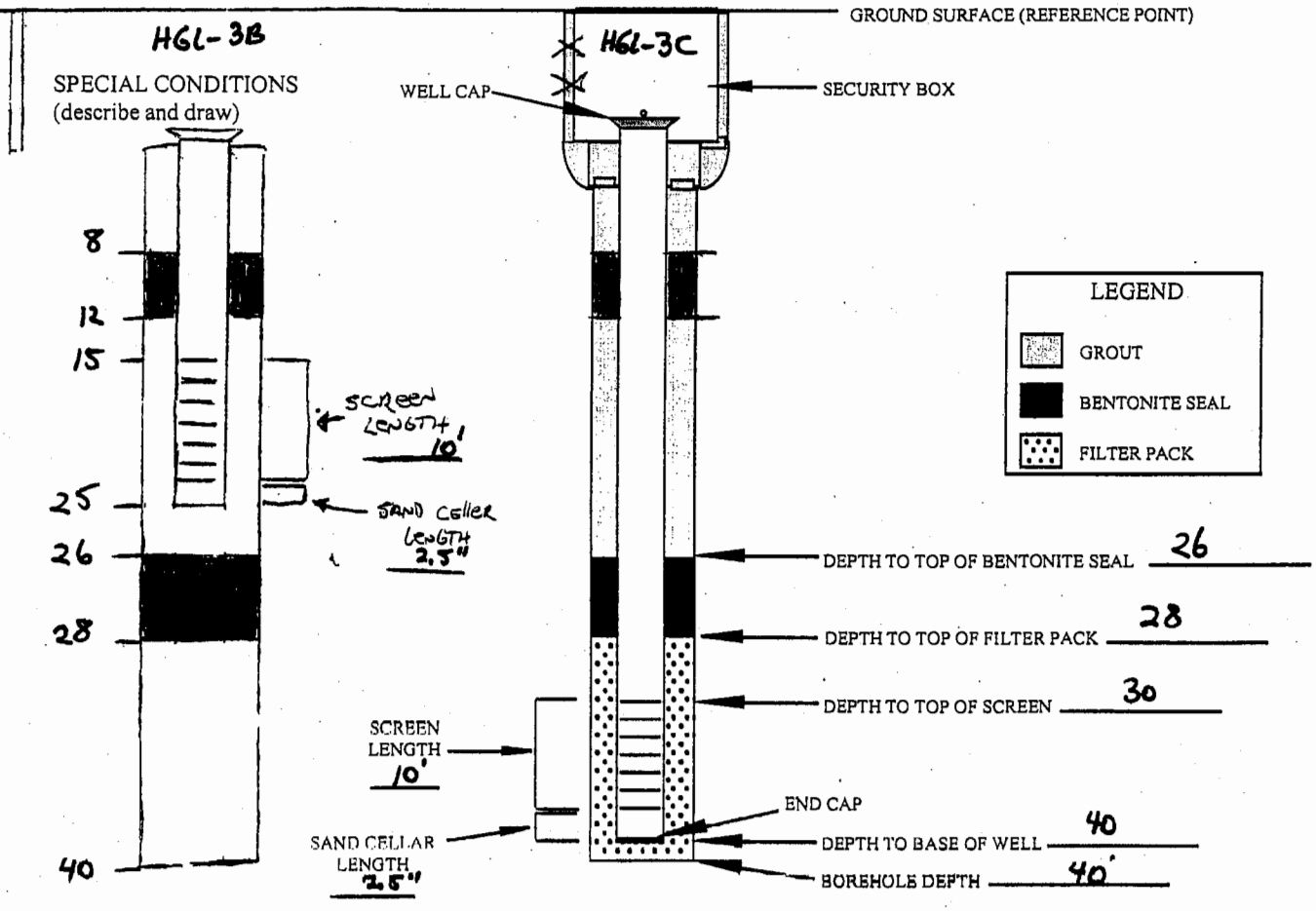
TYPE OF BENTONITE: 3/8" SHURGEL BENTONITE PELLETS/HOLE PLUG
AMOUNT BENTONITE USED: 1/2 BUCKET PELLETS/ 2 BAGS HOLE PLUG

TYPE OF WELL CAP: 2" EXPANDABLE CAP
TYPE OF END CAP: PVC SLIP CAP THREAD

COMMENTS: LOG LITHOLOGY WITH 2 1/4 AUGERS. INSTALL WELLS WITH 6 5/8 AUGERS

HGL-3B

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY: ROBERT MILLER
INSTALLATION OBSERVED BY: MIKE JACKSON

DISCREPANCIES:
PROJECT NAME: MCA BARRACKS – HUNTER AAF
PROJECT #: OMA009-001-02-02-03

HGL-3B → 11 BAGS of SAND, 2 BAGS BENTONITE HOLE PLUG
HGL-3C → 12 BAGS of SAND, 1/2 BUCKET BENTONITE PELLETS

Well ID: HGL-4B / HGL-4C

HYDRO GeoLogic Inc

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. JACKSON
DRILLING CONTRACTOR: SAEDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 6 5/8 HSA

BOREHOLE IDENTIFICATION: HGL-4
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-4B, HGL-4C

WELL CONSTRUCTION START DATE: 3-8-06
WELL CONSTRUCTION FINISH DATE: 3-8-06

SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25', 30'-40'
SCREEN SLOT SIZE: 0.010

CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:

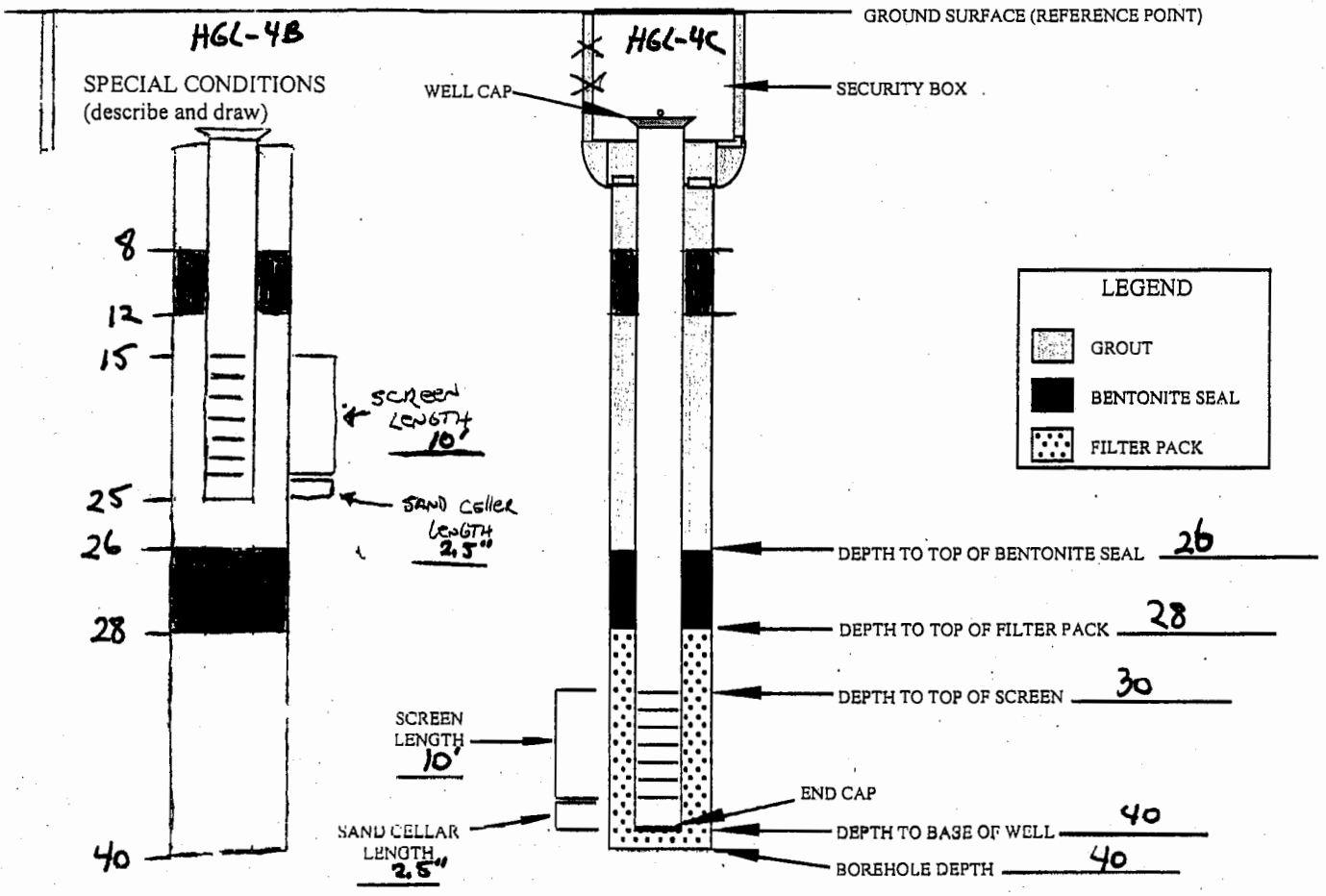
TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 23.5 BAGS (30 lb bags)

TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND-BENTONITE GEL

TYPE OF BENTONITE: 3/8" SHURPEL BENTONITE PELLETS / HOLEPLUG
AMOUNT BENTONITE USED: 1/2 BUCKET, 2 BAGS

TYPE OF WELL CAP: 2" EXPANDABLE CAP
TYPE OF END CAP: 2" THREADED PVC CAP

COMMENTS: LOG LITHOLOGY 26'-40' WITH 2 1/4 AUGERS. INSTALL NESTED WELLS WITH 6 5/8" AUGERS



NOT TO SCALE

INSTALLED BY: ROBERT MILLER
INSTALLATION OBSERVED BY: MIKE JACKSON

DISCREPANCIES:
PROJECT NAME: MCA BARRACKS-HUNTER AAF PROJECT #: OMA009-001-02-02-03

HGL-4B → 13 BAGS of SAND, 2 BAGS BENTONITE Hole Plug
HGL-4C → 10.5 BAGS of SAND, 1/2 BUCKET BENTONITE PELLETS

Well ID: HGL-5B/ HGL-5C

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. JACKSON
DRILLING CONTRACTOR: SAEDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 6 5/8 HSA

BOREHOLE IDENTIFICATION: HGL-5
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-5B, HGL-5S

WELL CONSTRUCTION START DATE: 3-7-06
WELL CONSTRUCTION FINISH DATE: 3-7-06

SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 14'-24', 29'-39'
SCREEN SLOT SIZE: 0.010

CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:

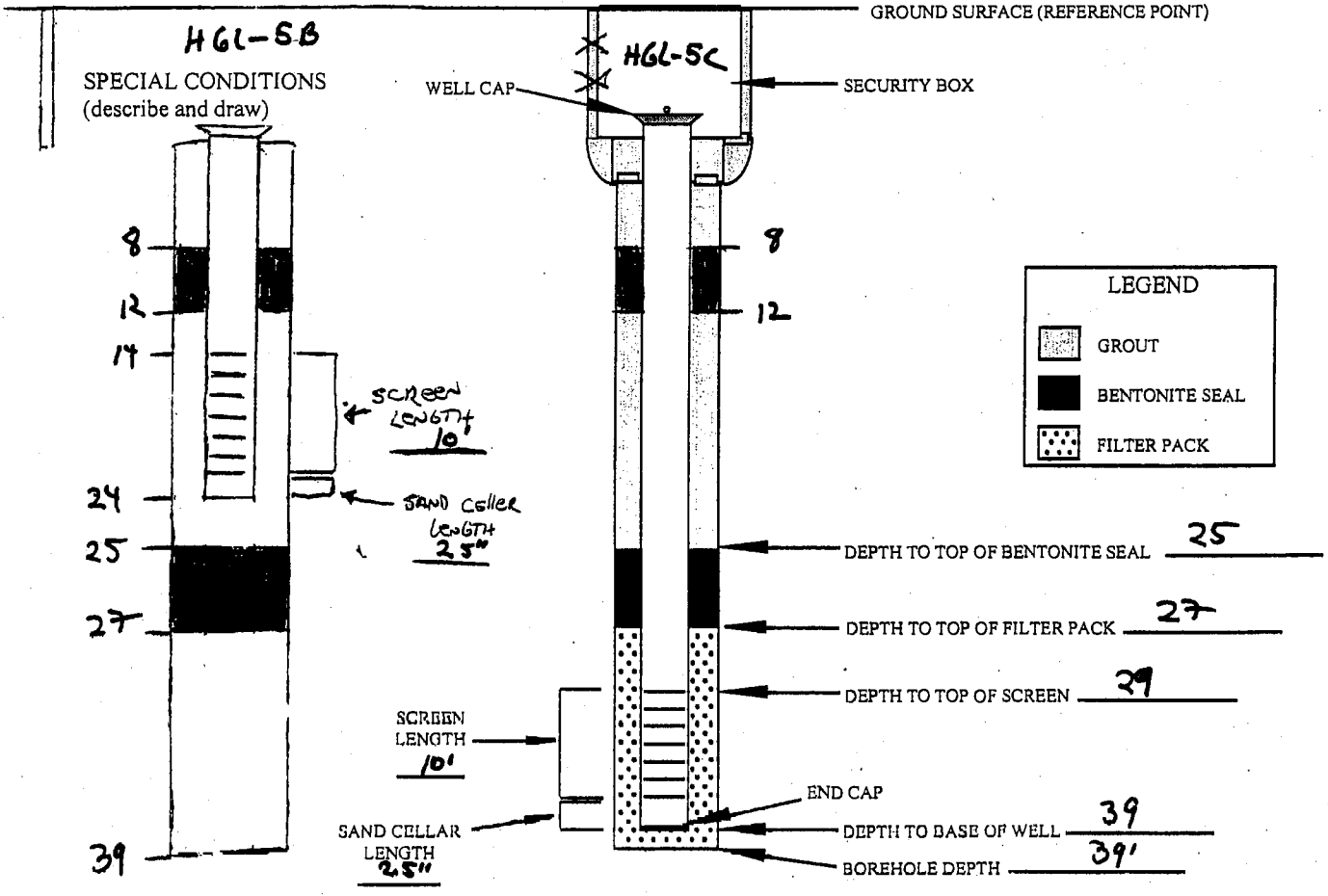
TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 27 BAGS (50 lb bags)

TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND- BENTONITE GEL

TYPE OF BENTONITE: 3/8" SHURGEL BENTONITE PELLETS / HOLE PLUG
AMOUNT BENTONITE USED: 3/4 BUCKET PELLETS, 1.5 BAGS HOLE PLUG

TYPE OF WELL CAP: 2" EXPANDABLE
TYPE OF END CAP: 2" THREADED PVC CAP

COMMENTS: SAMPLE LITHOLOGY WITH 2¼ AUGERS. INSTALL NESTED WELLS WITH 6 5/8" AUGERS.



INSTALLED BY: Robert Miller
INSTALLATION OBSERVED BY: MIKE JACKSON

DISCREPANCIES:
PROJECT NAME: MCA Barracks - Hunter AAF
PROJECT #: OMA009-001-02-UC-03

HGL-5B → 12.5 BAGS of SAND, 1.5 BAGS HOLE PLUG BENTONITE
HGL-5C → 14.5 BAGS of SAND, 3/4 BUCKET BENTONITE PELLETS

Well ID: HGL-6B / HGL-6C

HYDRO GeoLogic Inc

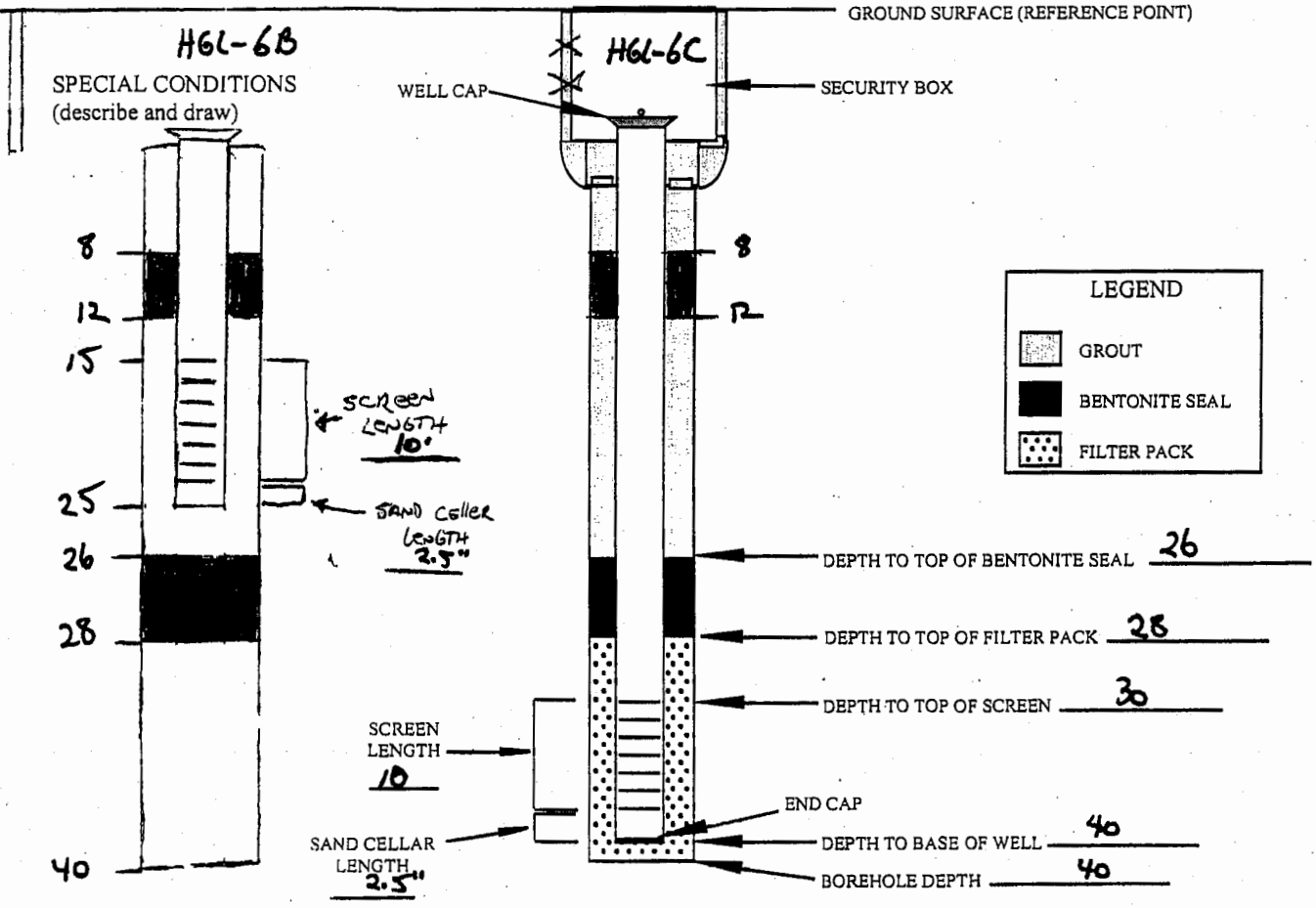
WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. Jackson
DRILLING CONTRACTOR: SAGDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 8¼
BOREHOLE IDENTIFICATION: HGL-6
BOREHOLE DIAMETER: 13.75
WELL IDENTIFICATION: HGL-6B, HGL-6C
WELL CONSTRUCTION START DATE: 3-2-06
WELL CONSTRUCTION FINISH DATE: 3-2-06
SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25, 30-40
SCREEN SLOT SIZE: 0.010
CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:
TYPE OF FILTER PACK: #2 Filter Sand
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 28 BAGS (50 lb. bags)
TYPE OF CEMENT: Portland Cement Type I/II
AMOUNT CEMENT USED: 4 BAGS
GROUT MATERIALS USED: 20:1 Portland - Bentonite Gel
TYPE OF BENTONITE: 3/8" Shur-Pel Bentonite Pellets / Hole Plug
AMOUNT BENTONITE USED: ¼ Bucket, ½ Bucket
TYPE OF WELL CAP: 2" Expandable
TYPE OF END CAP: 2" PVC Threaded Cap
COMMENTS:

HGL-6B

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY: Michael Wilson
INSTALLATION OBSERVED BY: Mike Jackson

DISCREPANCIES:
PROJECT NAME: MCA Barracks - Hunter AAF
PROJECT #: 0MA009-001-02-02-03

HGL-6B → 15 Bags of Sand, ½ Bucket Bentonite Pellets
HGL-6C → 13 Bags of Sand, ¼ Bucket Bentonite Pellets

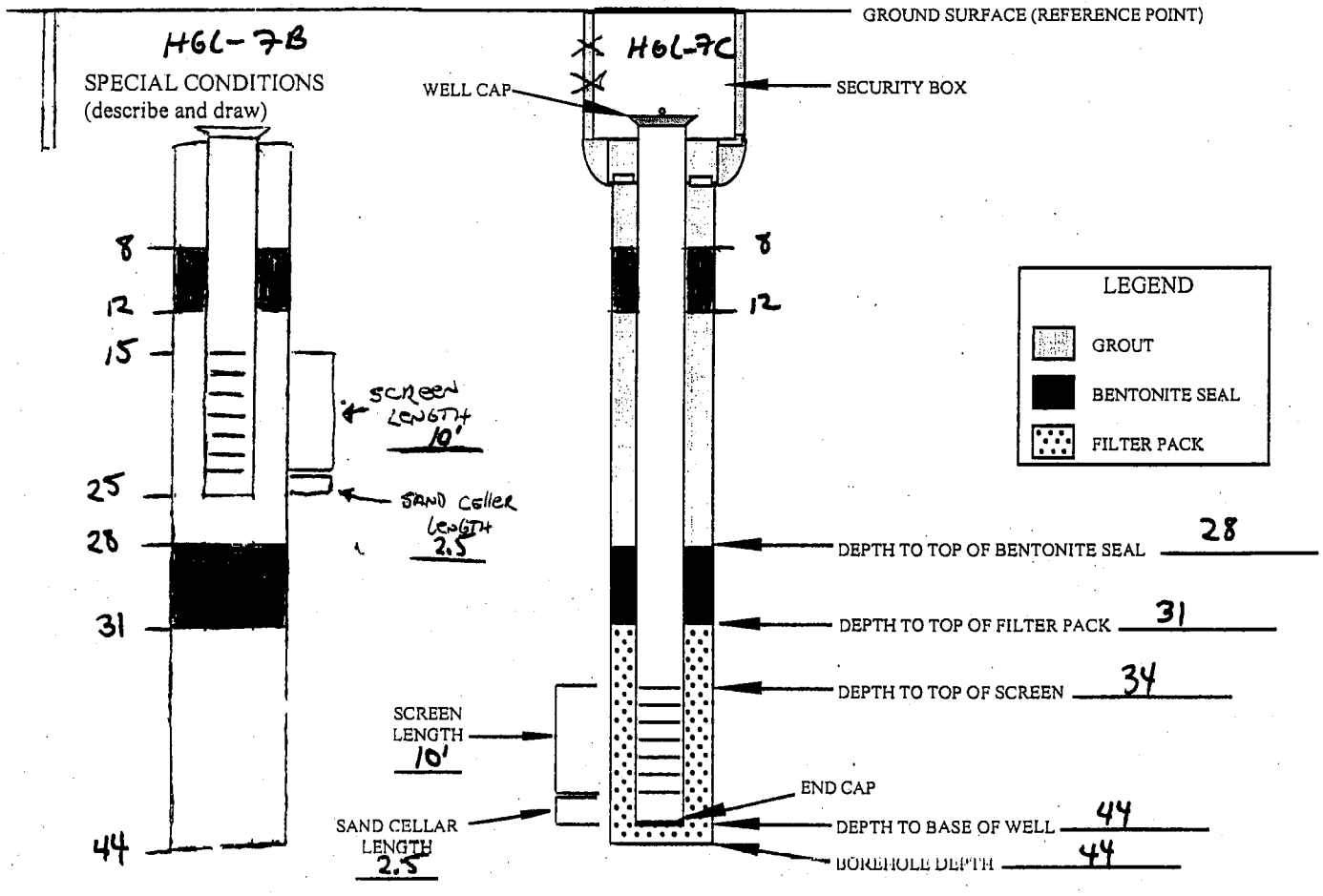
Well ID: HGL-7B / HGL-7C

HYDRO GeoLogic INC

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. JACKSON
DRILLING CONTRACTOR: SAGDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 8 1/4
BOREHOLE IDENTIFICATION: HGL-7 (GW53)
BOREHOLE DIAMETER: 13.75"
WELL IDENTIFICATION: HGL-7B, HGL-7C
WELL CONSTRUCTION START DATE: 2/28/06
WELL CONSTRUCTION FINISH DATE: 2/28/06
SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25, 34-44
SCREEN SLOT SIZE: 0.010
CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:
TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 36 BAGS (50 # BAGS)
TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 4 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND-BENTONITE GEL (Y8 Ma L
TYPE OF BENTONITE: 3/8" HOLE PLUG
AMOUNT BENTONITE USED: 4 Bags
TYPE OF WELL CAP: 2" EXPANDABLE
TYPE OF END CAP: 2" PVC THREADED CAP
COMMENTS:



INSTALLED BY: MICHEAL WILSON
INSTALLATION OBSERVED BY: MIKE JACKSON

DISCREPANCIES:
PROJECT NAME: MCA Barracks - HUNTER AAF
PROJECT #: 0114009-001-02-02-03

HGL-7B → 16 Bags of SAND, 2 Bags BENTONITE Hole Plug
HGL-7C → 20 Bags of SAND, 2 Bags of BENTONITE Hole Plug

Well ID: HGL-8B/ HGL-8C

HYDRO GeoLogic

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. Jackson
DRILLING CONTRACTOR: SAE DACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 6 5/8"

BOREHOLE IDENTIFICATION: HGL-8 (GW65)
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-8B, HGL-8C

WELL CONSTRUCTION START DATE: 3-6-06
WELL CONSTRUCTION FINISH DATE: 3-6-06

SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 13.5-23.5, 34-44
SCREEN SLOT SIZE: 0.010

CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:

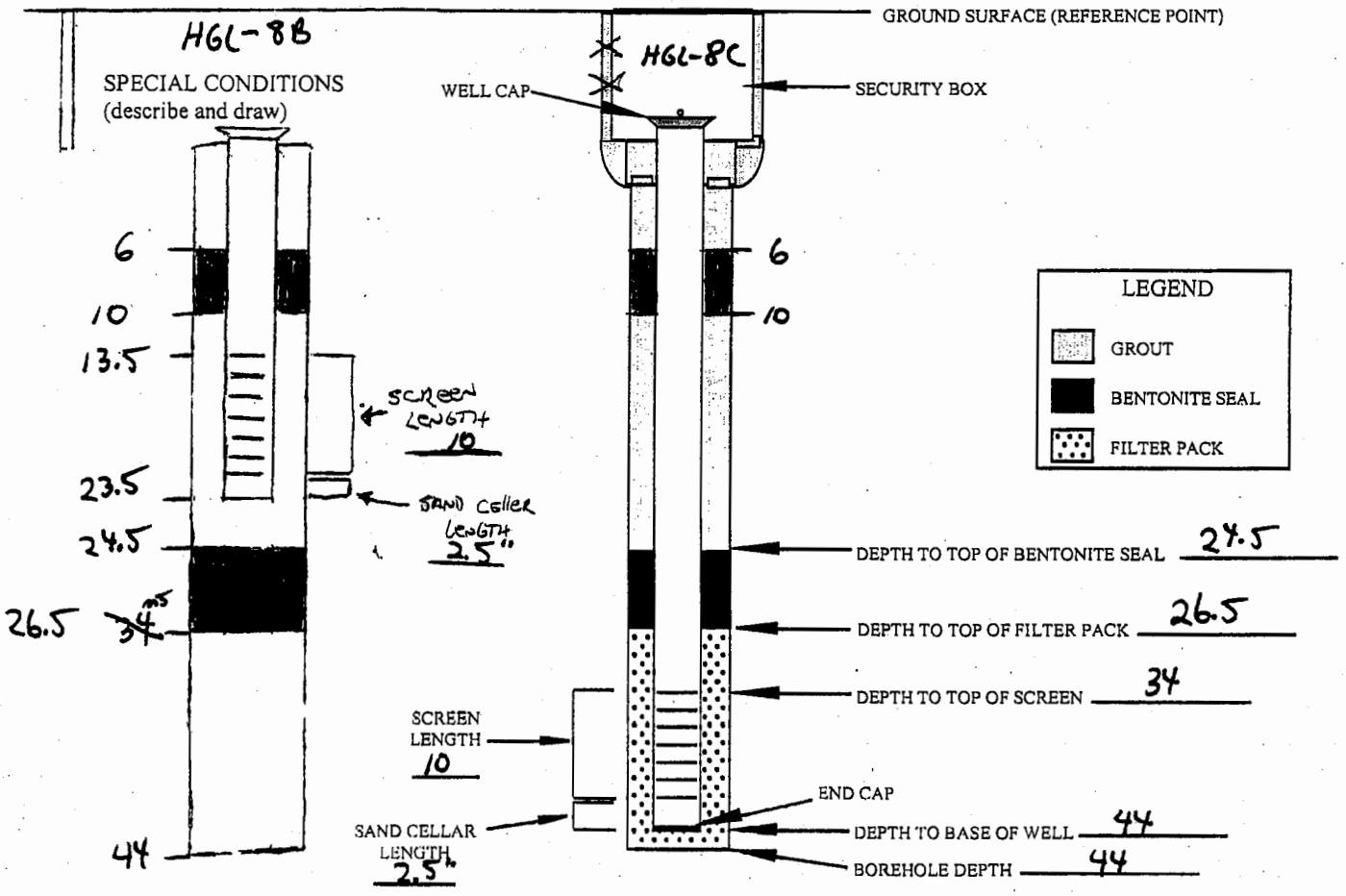
TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 26 BAGS (50 lb. bags)

TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND – BENTONITE GEL

TYPE OF BENTONITE: 3/8" SHUR-GEL BENTONITE PELLETS / HOLE PLUG
AMOUNT BENTONITE USED: 1/2 BUCKET PELLETS, 3/4 BAG HOLE PLUG

TYPE OF WELL CAP: 2" EXPANDABLE CAP
TYPE OF END CAP: 2" PVC THREADED CAP

COMMENTS: LITHOLOGY BY 2 1/4" AUGERS. NESTED WELLS INSTALLED WITH 6 5/8" AUGERS.



INSTALLED BY: Robert Miller
INSTALLATION OBSERVED BY: Mike Jackson

DISCREPANCIES:
PROJECT NAME: MCA Barracks – Hunter AAF
PROJECT #: OMAOOA-001-02-02-03

HGL-8B → 11.5 Bags of Sand, 3/4 Bag Bentonite Hole Plug
HGL-8C → 14.5 Bags of Sand, 1/2 Bucket Bentonite Pellets

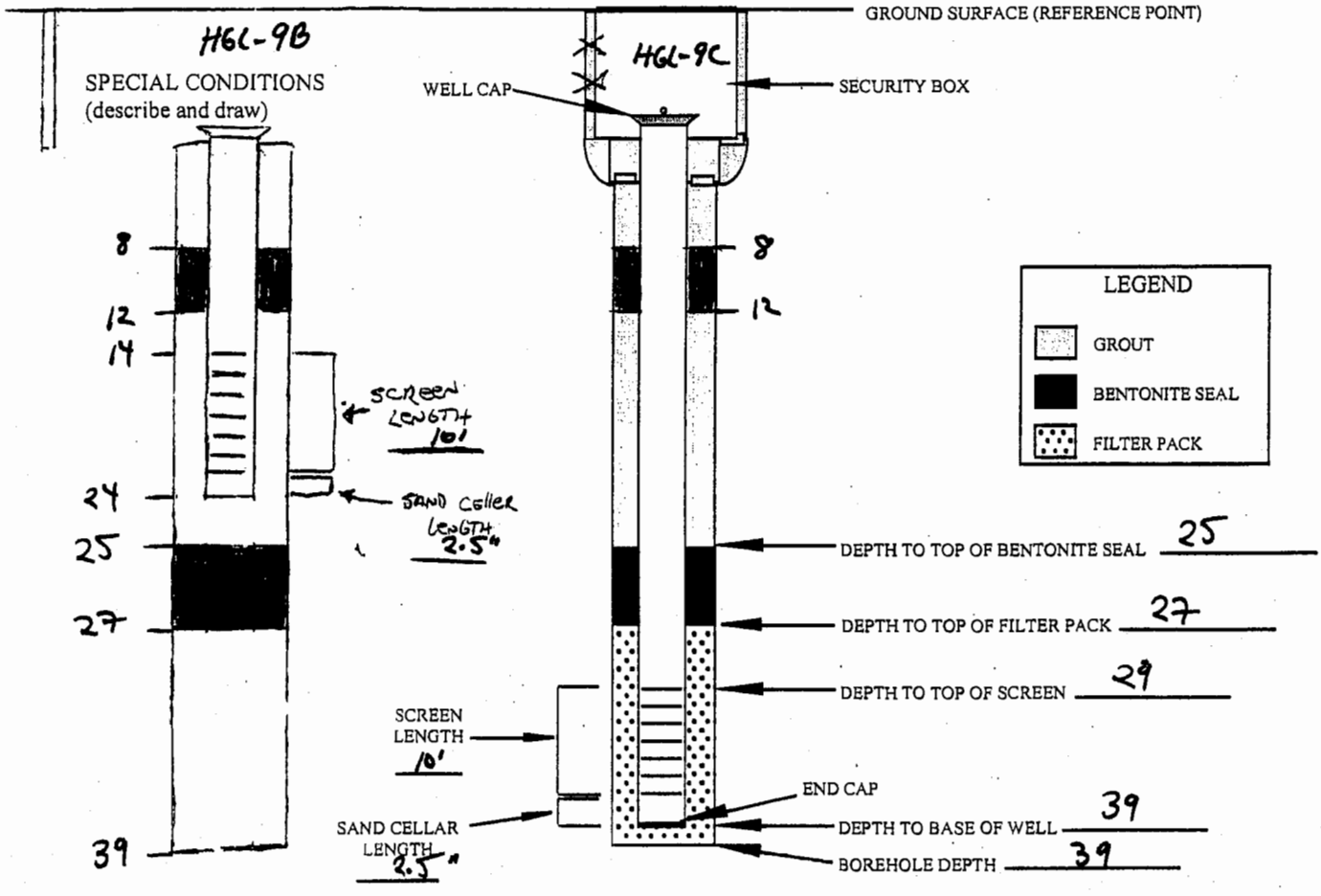
Well ID: HGL-9B/ HGL-9C

HYDRO GeoLogic INC

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. Jackson
DRILLING CONTRACTOR: SAGDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: HSA 6 5/8
BOREHOLE IDENTIFICATION: HGL-9 (GW70)
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-9B, HGL-9C
WELL CONSTRUCTION START DATE: 3-6-06
WELL CONSTRUCTION FINISH DATE: 3-6-06
SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 14-24, 29-39
SCREEN SLOT SIZE: 0.010
CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:
TYPE OF FILTER PACK: #2 Filter Pack
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 21 Bags (50 # bags)
TYPE OF CEMENT: Portland Cement Type I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 Portland-Bentonite Gel
TYPE OF BENTONITE: 3/8" Shur-Gel Bentonite Pellets/Hole Plug
AMOUNT BENTONITE USED: 1/2 Bucket Pellets, 1.5 Bags Hole Plug
TYPE OF WELL CAP: 2" Expandable Cap
TYPE OF END CAP: 2" PVC Threaded Cap
COMMENTS: 2 1/4" Auger used to collect Lithology. 6 5/8" Augers used to install NESTED Wells.



NOT TO SCALE

INSTALLED BY: Robert Miller
INSTALLATION OBSERVED BY: Mike Jackson

DISCREPANCIES:
PROJECT NAME: MCA Barracks - Hunter AAF PROJECT #: OMA009-001-02-02-03

HGL-9B → 10 Bags of Sand, 1.5 Bags Bentonite Hole Plug
HGL-9C → 11 Bags of Sand, 1/2 Bucket Bentonite Pellets

Well ID: HGL-10B / HGL-10C

HYDRO GeoLogic Inc

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. Jackson
DRILLING CONTRACTOR: SAEDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 8 1/4 HSA

BOREHOLE IDENTIFICATION: HGL-10
BOREHOLE DIAMETER: 13.75"
WELL IDENTIFICATION: HGL-10B, HGL-10C

WELL CONSTRUCTION START DATE: 3-2-06
WELL CONSTRUCTION FINISH DATE: 3-2-06

SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25, 30-40
SCREEN SLOT SIZE: 0.010

CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:

TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 20 Bags (50 # Bags)

TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 4 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND – BENTONITE GEL

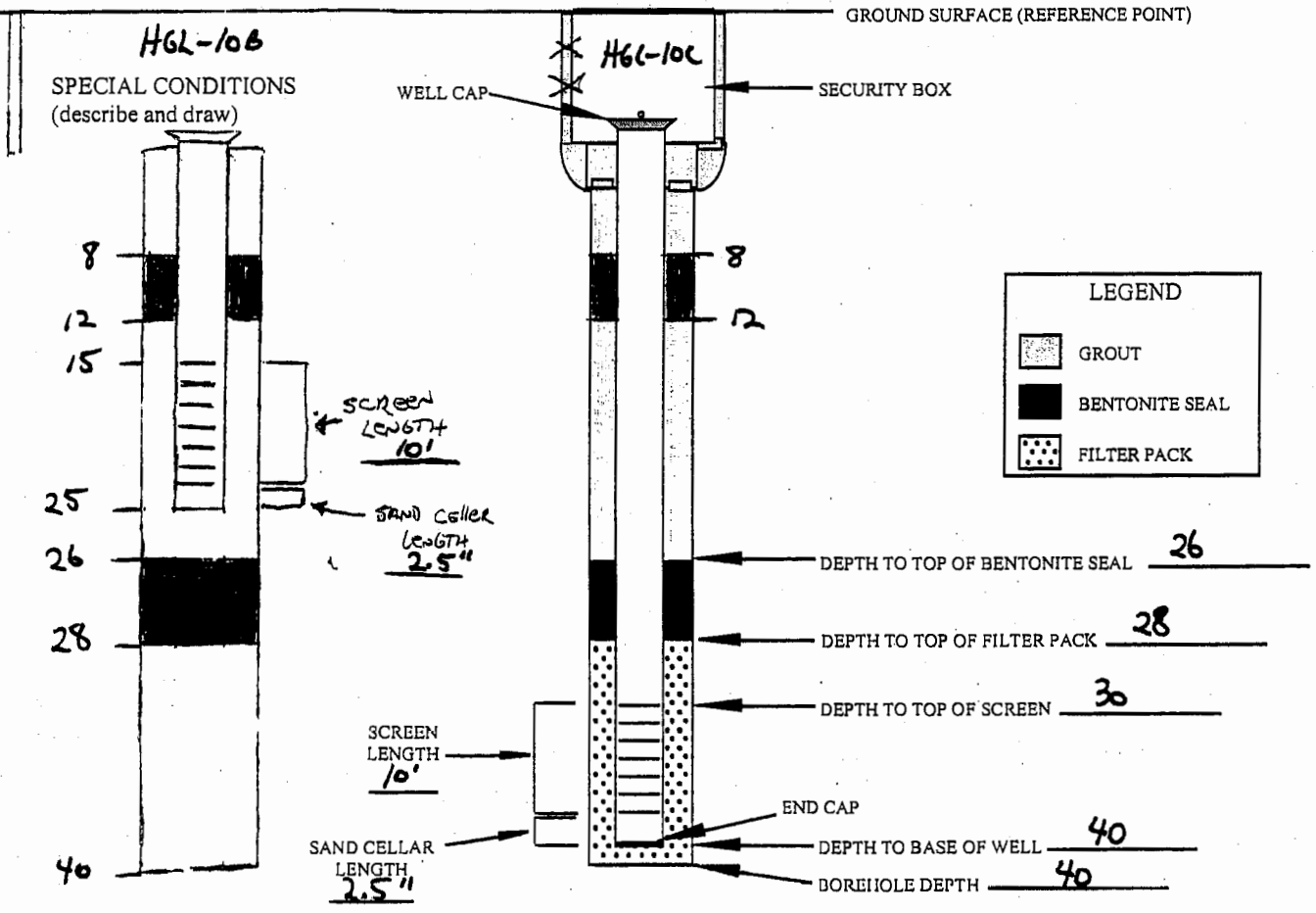
TYPE OF BENTONITE: 3/8" HOLE PLUG
AMOUNT BENTONITE USED: 4 BAGS

TYPE OF WELL CAP: 2" Expandable
TYPE OF END CAP: 2" PVC Threaded CAP

COMMENTS: Lithology sampled with 4 1/4 augers. Installed nested wells with 8 1/4" HSA.

HGL-10B

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY: Micheal Wilson
INSTALLATION OBSERVED BY: Mike Jackson

DISCREPANCIES:
PROJECT NAME: MCA Barracks – Hunter AAF PROJECT #: OMA004-001-02-02-06

HGL-10B ⇒ 9 Bags of Sand, 2 Bags Bentonite Hole Plug
HGL-10C ⇒ 11 Bags of Sand, 1 Bag Bentonite Hole Plug

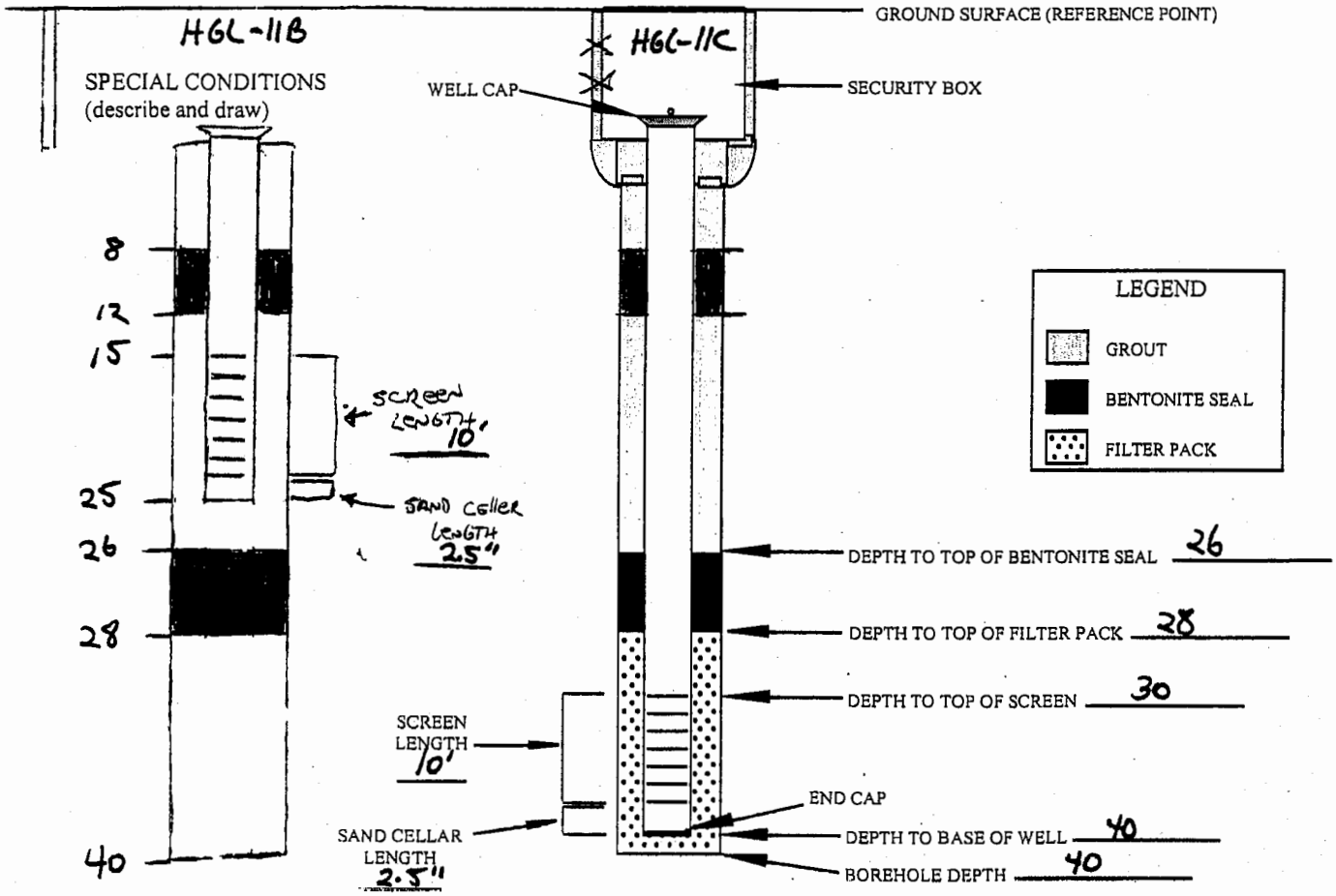
Well ID: HGL-11B/ HGL-11C

HYDRO GeoLogic Inc

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: M. JACKSON
DRILLING CONTRACTOR: SAEDACCO
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 6 5/8" HSA
BOREHOLE IDENTIFICATION: HGL-11 (GW068)
BOREHOLE DIAMETER: 11"
WELL IDENTIFICATION: HGL-11B, HGL-11C
WELL CONSTRUCTION START DATE: 3/5/06
WELL CONSTRUCTION FINISH DATE: 3/5/06
SCREEN MATERIAL: Schedule 40 PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15-25', 30-40
SCREEN SLOT SIZE: 0.010
CASING MATERIAL: Schedule 40 PVC
CASING DIAMETER: 2"

DIMENSIONS OF SECURITY BOX:
TYPE OF FILTER PACK: #2 FILTER SAND
GRADIATION: #2
AMOUNT OF FILTER PACK USED: 26 Bags (50# bags)
TYPE OF CEMENT: PORTLAND CEMENT TYPE I/II
AMOUNT CEMENT USED: 2 BAGS
GROUT MATERIALS USED: 20:1 PORTLAND-BENTONITE GEL
TYPE OF BENTONITE: 3/8" HOLE PLUG
AMOUNT BENTONITE USED: 1/4 Bag, 1/2 Bag
TYPE OF WELL CAP: 2" Expandable
TYPE OF END CAP: 2" PVC Thread CAP
COMMENTS: JACKHAMMER through 14" of CONCRETE



NOT TO SCALE

INSTALLED BY: Robert MILLER
INSTALLATION OBSERVED BY: MIKE JACKSON

DISCREPANCIES:
PROJECT NAME: MCA Barracks – Hunter AAF PROJECT #: 0MA009-001-02-UC-03

HGL-11B → 11 Bags of SAND, 1/2 Bag BENTONITE HOLE PLUG
HGL-11C → 15 Bags of SAND, 1/4 BAG BENTONITE HOLE PLUG

ARCADIS

Borehole and Well Construction Log

Project: HAA-15 MCA Barracks Site

Project No. GP08HAFS.H15B.DG0FI

Site Location: Savannah, GA

Well ID	H15-MW-06C	Contractor/Driller	ARM Environmental Services, Inc.	Total Depth Drilled	45.0 feet
Date Begin	5/3/2010	Rig Type	CME 45 Truck Rig	Sample Method/Size	No Samples Collected
Date End	5/3/2010	Method	Hollow Stem Auger	Cutting Disposal	Drum

Well Construction Log

Boring Dia. 8"

Time
Begin: 1400
End: 1630

Construction

Intervals (ft BGS)

Riser: 0-35
Screen: 35-45
Surf. Seal: 0-29
Seal: 29-32
Filter Pack: 32-45
Backfill: None

Materials

Riser: 2" sch. 40 PVC
Screen: 10-slot PVC
Surf. Seal:
Seal: Bentonite
Filter Pack: #2 Sand
Backfill: None

Surface Completion

Protection: Flush Mount
Manhole
Pad: 2 x 2 Concrete
Lock: 1600
Date/Time: 5/3/2010

ARCADIS G&M Personel

Field Work: CCF
Log Draft:

Symbols

Grout:
Bentonite:
Sand:
Gravel:
Backfill: X
Contact:
Implied or Gradational Contact:

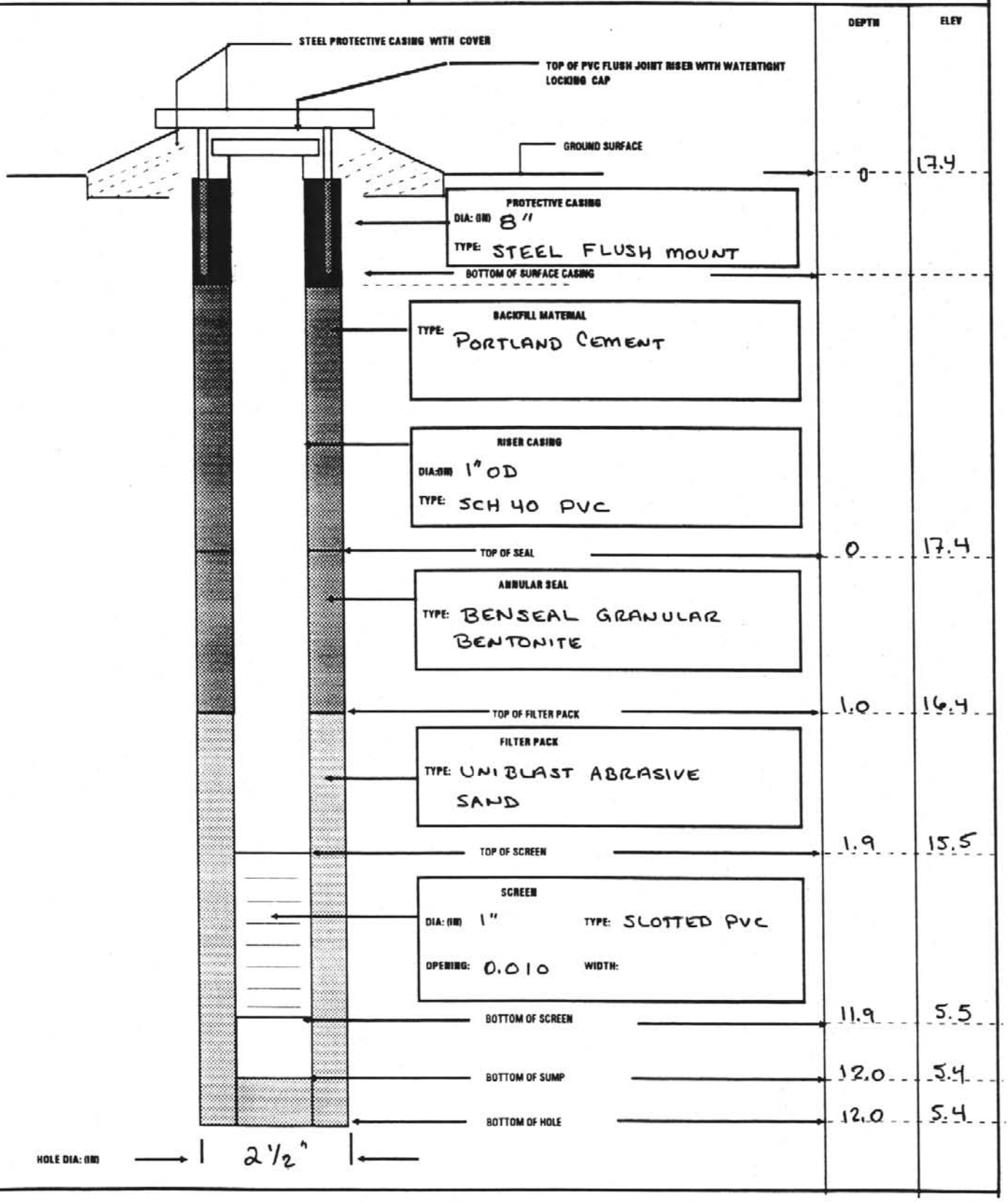
Borehole Log

Depth (ft)	Spl Run	Class	Description	Ft. Rec.	Blow Count	PID (ppm)
			Time Begin: 1400 End: 1630			
25			No lithologies collected to 45.0 feet.			
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45			End of Boring at 45.0 feet.			
46						
47						
48						
49						
50						

MONITORING WELL

PROJECT: HAAF MCA Barracks

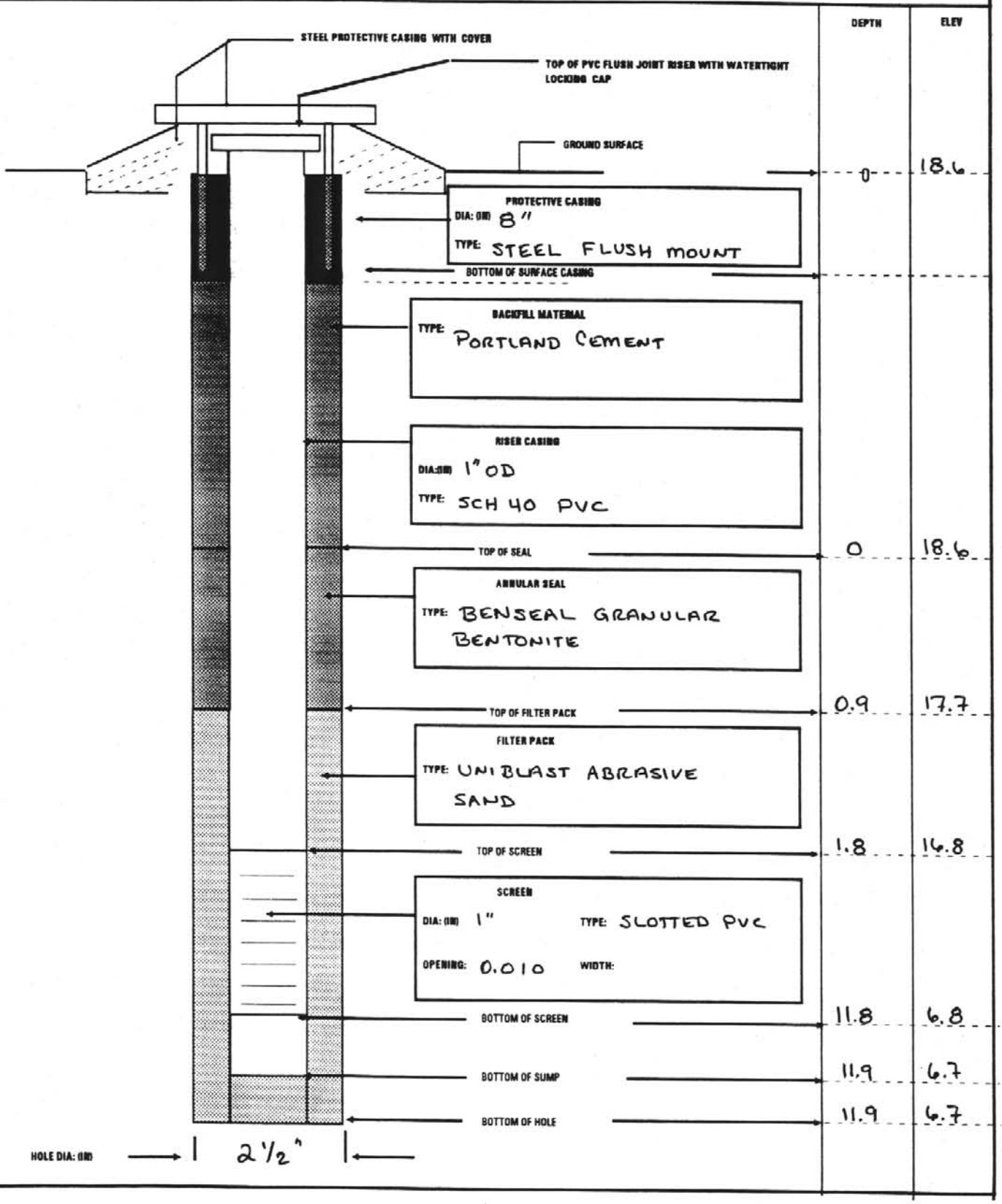
WELL NUMBER: XX-04	**BEGIN:** 2/20/00	**END:** 2/20/00
COORDINATES: N: 740076.23 E: 974419.25	**REFERENCE POINT:** TOC	**ELEVATION:** 17.01



MONITORING WELL

PROJECT: HAAF MCA Barracks

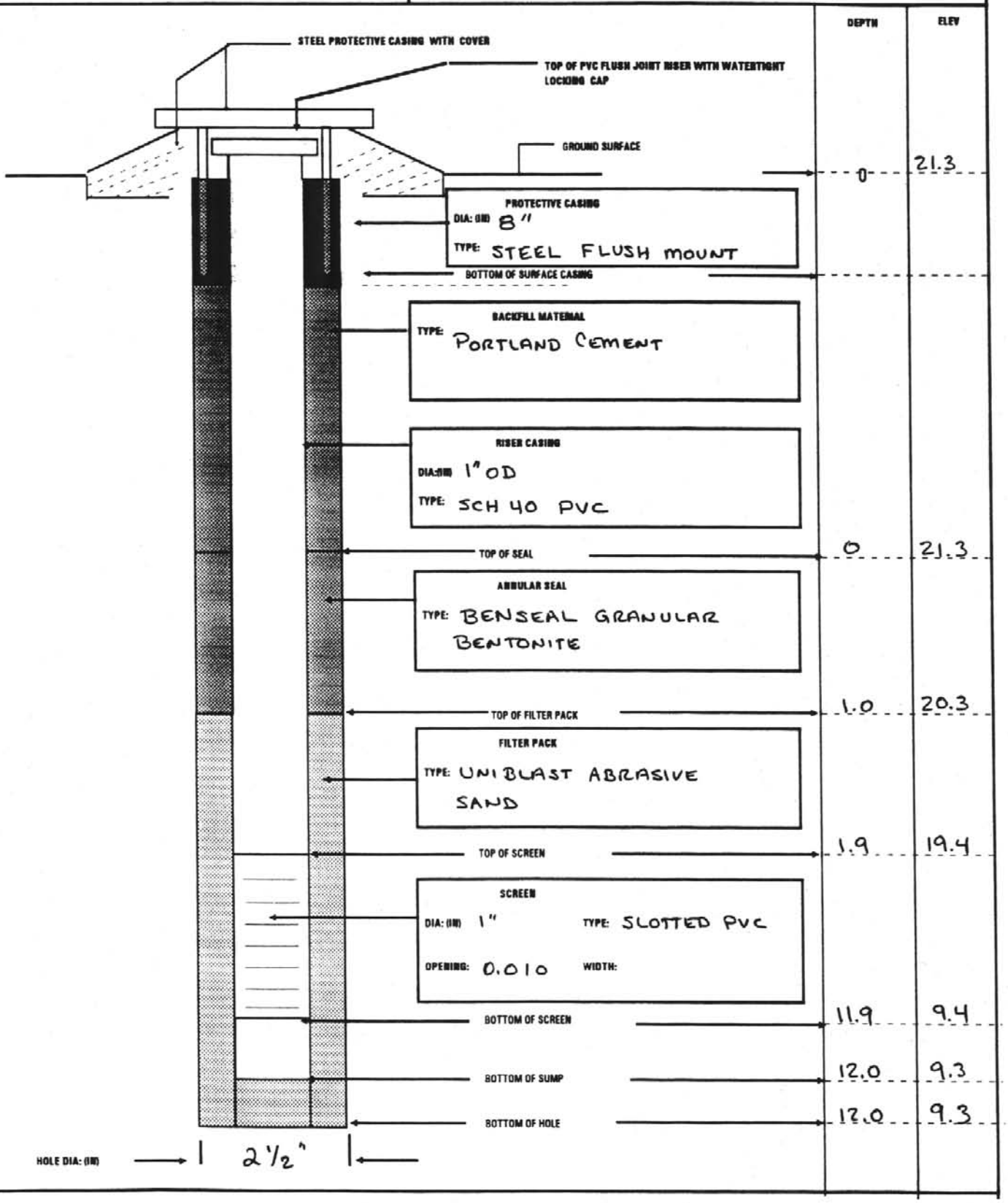
WELL NUMBER: XX-05	**BEGIN:** 2/20/00	**END:** 2/20/99
COORDINATES: N: 740032.12 E: 974478.08	**REFERENCE POINT:** TOC	**ELEVATION:** 18.21



MONITORING WELL

PROJECT: HAAF MCA Barracks

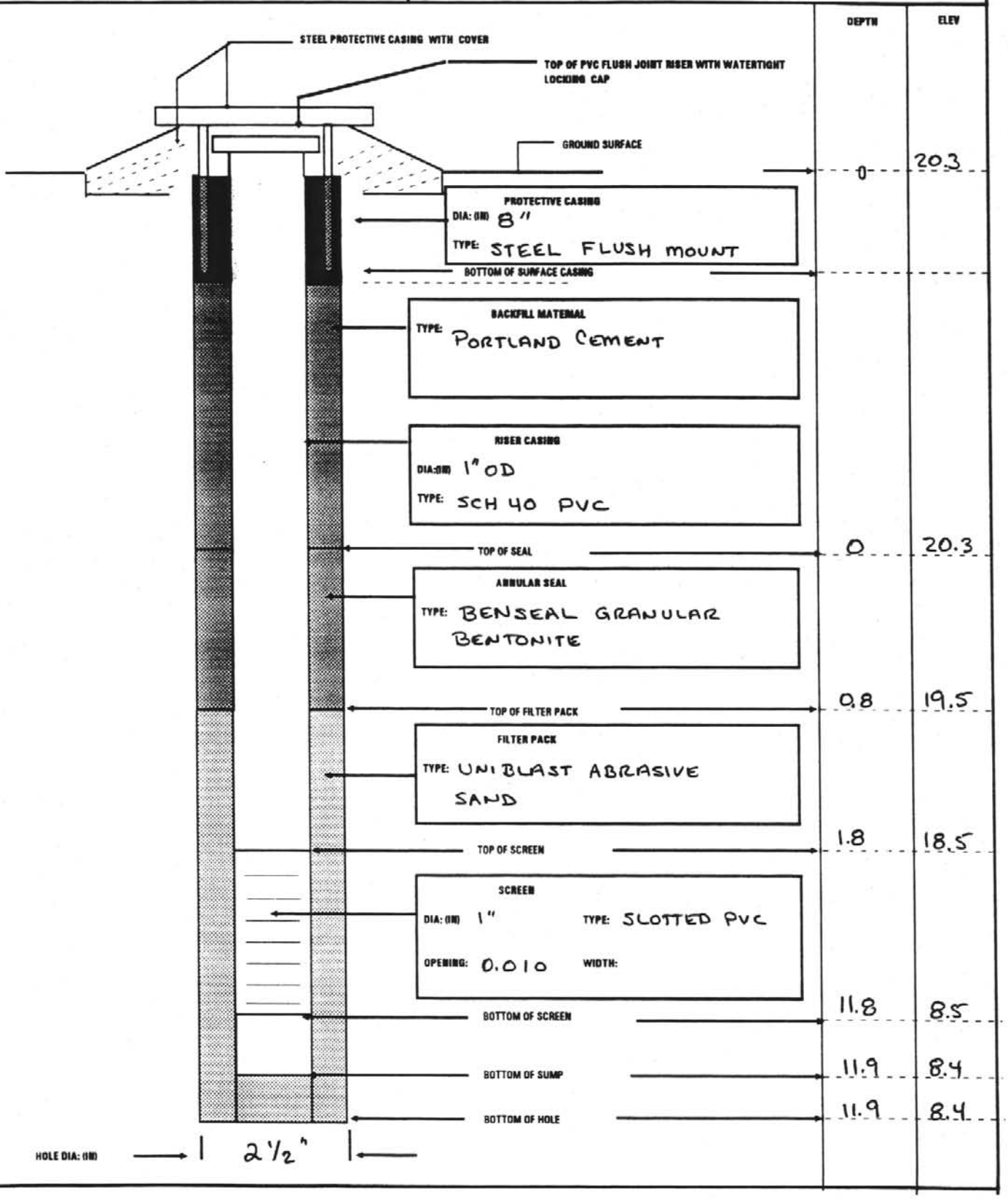
WELL NUMBER: XX-06	**BEGIN:** 2/20/00	**END:** 2/20/00
COORDINATES: N: 739891.71 E: 974320.00	**REFERENCE POINT:** TOC	**ELEVATION:** 20.67



MONITORING WELL

PROJECT: HAAF MCA Barracks

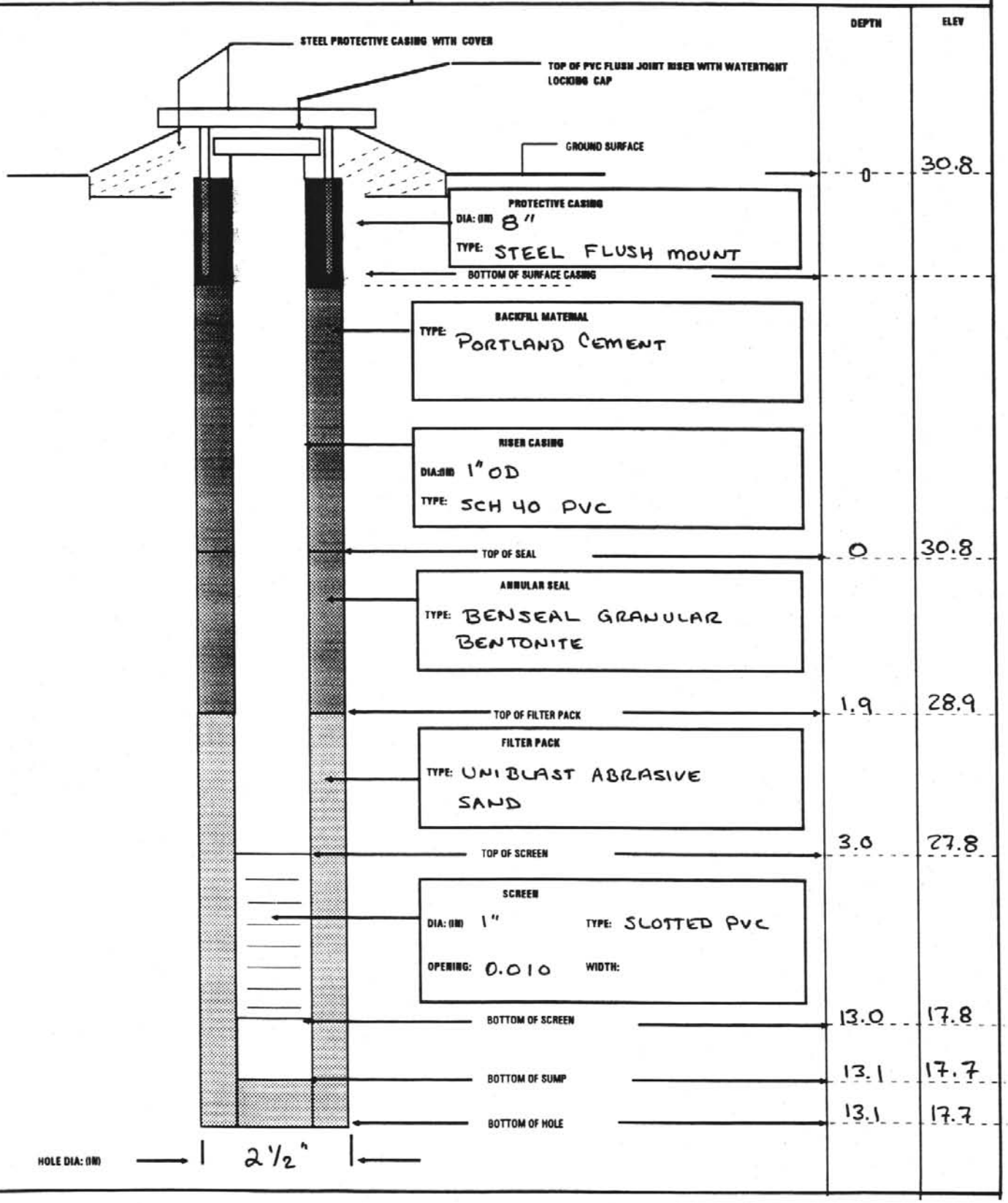
WELL NUMBER: XX-07	**BEGIN:** 2/19/00	**END:** 2/19/00
COORDINATES: N: 739821.73 E: 974229.57	**REFERENCE POINT:** TOC	**ELEVATION:** 20.06



MONITORING WELL

PROJECT: HAAF MCA Barracks

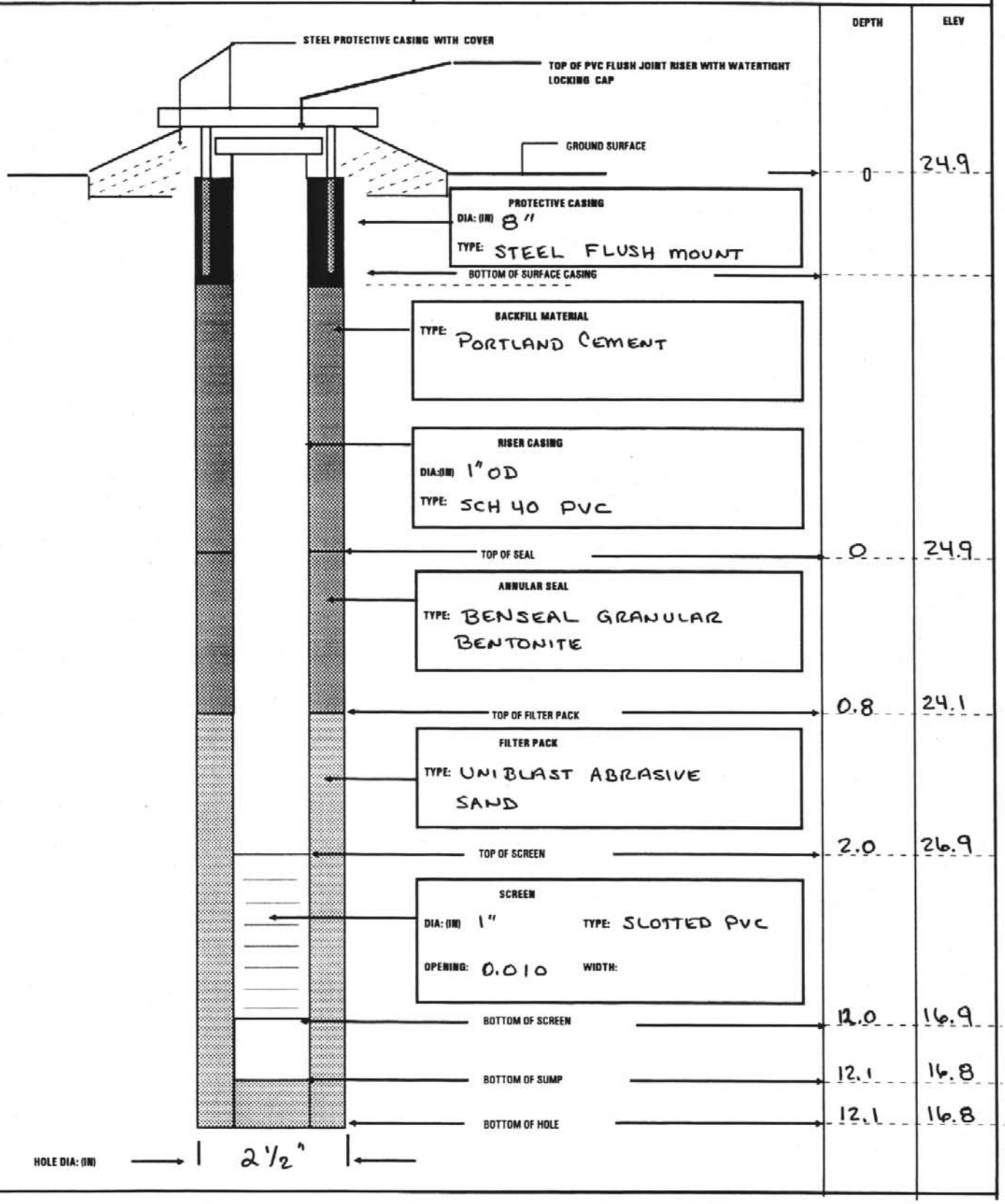
WELL NUMBER: XX-08	**BEGIN:** 2/18/00	**END:** 2/18/00
COORDINATES: N: 739548.31 E: 974463.18	**REFERENCE POINT:** TOC	**ELEVATION:** 30.42



MONITORING WELL

PROJECT: HAAF MCA Barracks

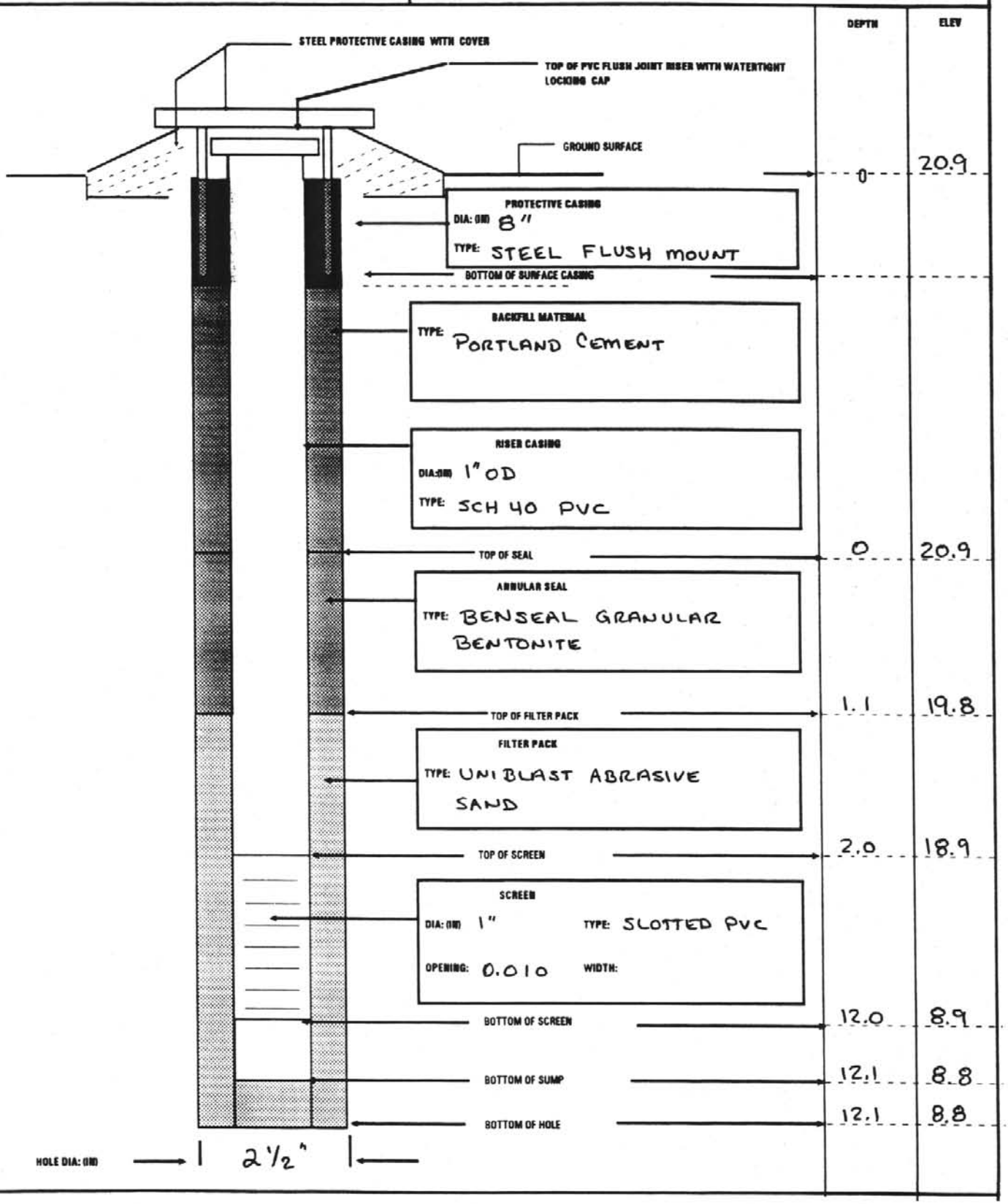
WELL NUMBER: XX-09	**BEGIN:** 2/19/00	**END:** 2/19/00
COORDINATES: N: 739770.06 E: 974491.86	**REFERENCE POINT:** TOC	**ELEVATION:** 24.63



MONITORING WELL

PROJECT: HAAF MCA Barracks

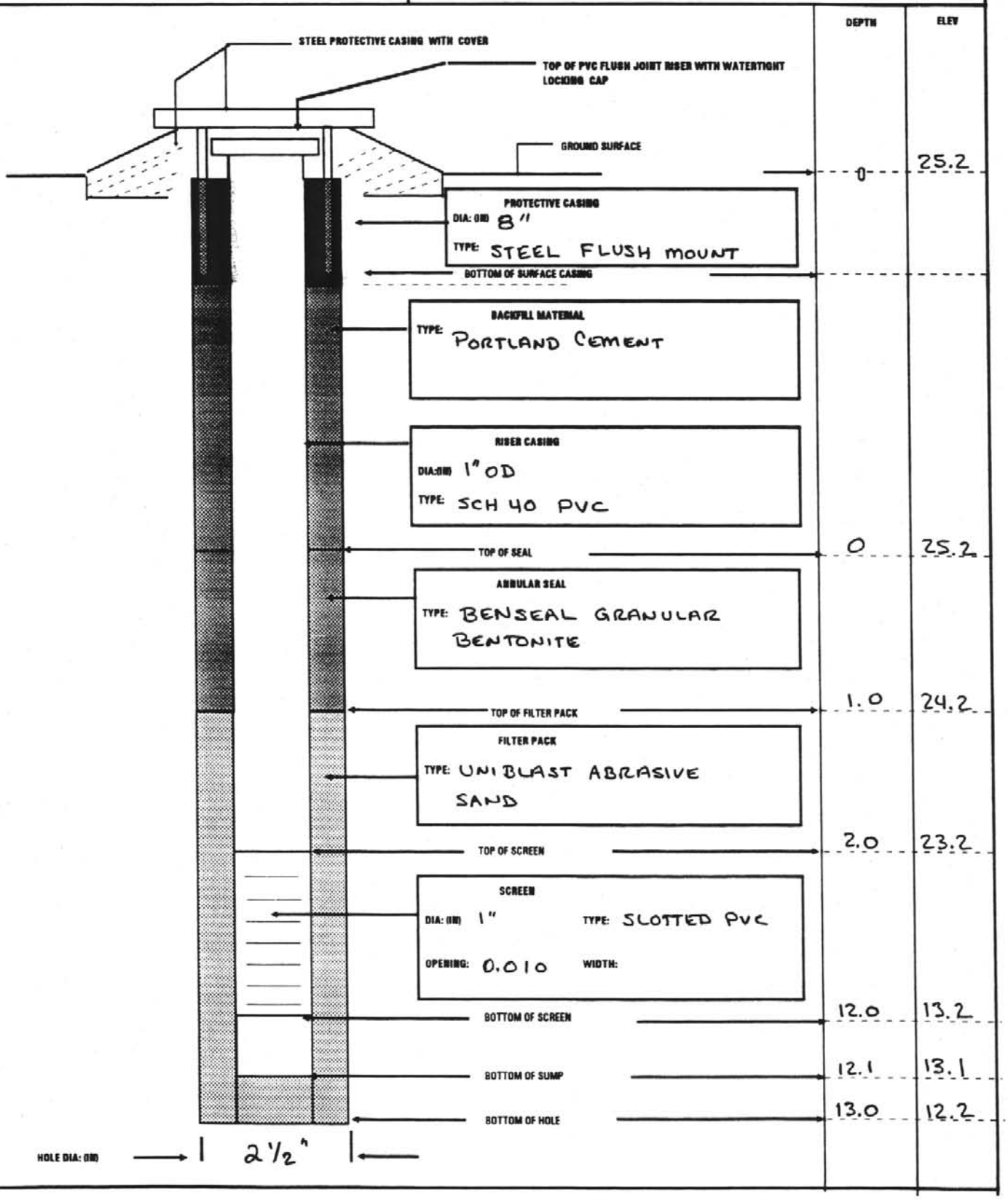
WELL NUMBER: XX-10	**BEGIN:** 2/18/00	**END:** 2/18/00
COORDINATES: N: 739786.94 E: 974793.53	**REFERENCE POINT:** TOC	**ELEVATION:** 20.55



MONITORING WELL

PROJECT: HAAF MCA Barracks

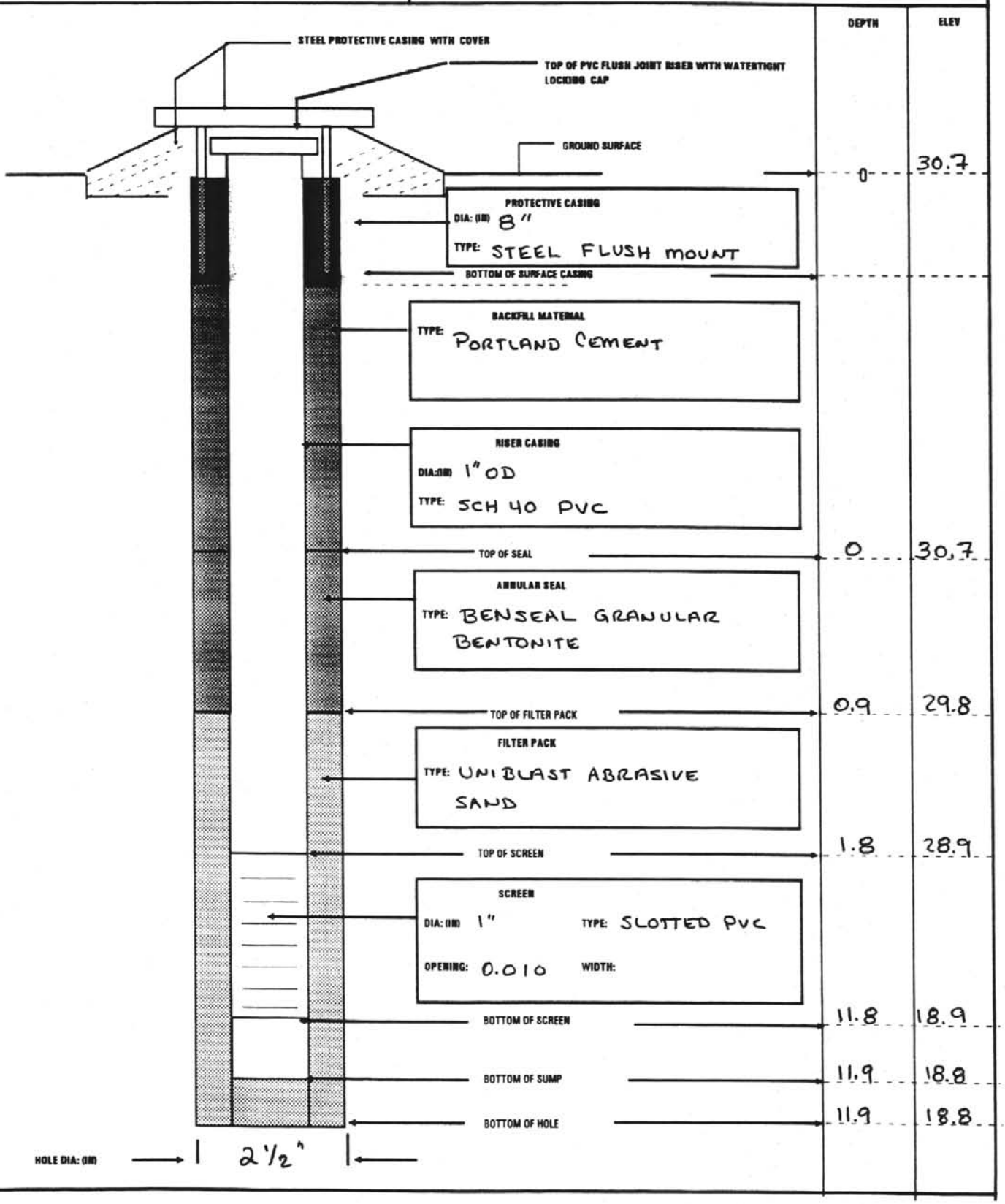
WELL NUMBER: XX-11	**BEGIN:** 2/17/00	**END:** 2/17/00
COORDINATES: N: 739600.48 E: 975047.86	**REFERENCE POINT:** TOC	**ELEVATION:** 24.84



MONITORING WELL

PROJECT: HAAF MCA Barracks

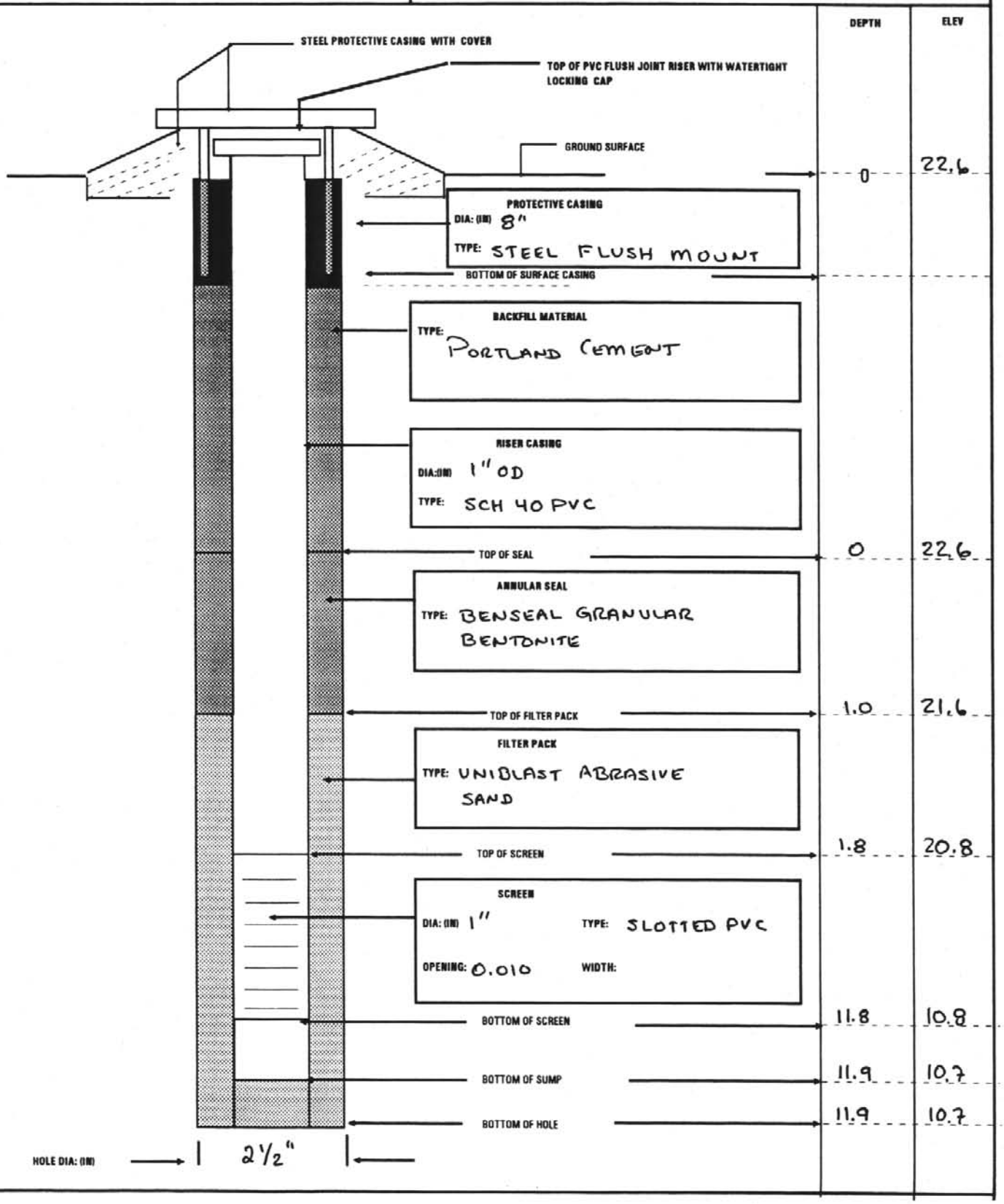
WELL NUMBER: XX-12	**BEGIN:** 2/17/00	**END:** 2/17/00
COORDINATES: N: 739366.36 E: 975068.38	**REFERENCE POINT:** TOC	**ELEVATION:** 30.43



MONITORING WELL

PROJECT: HAAF MCA Barracks

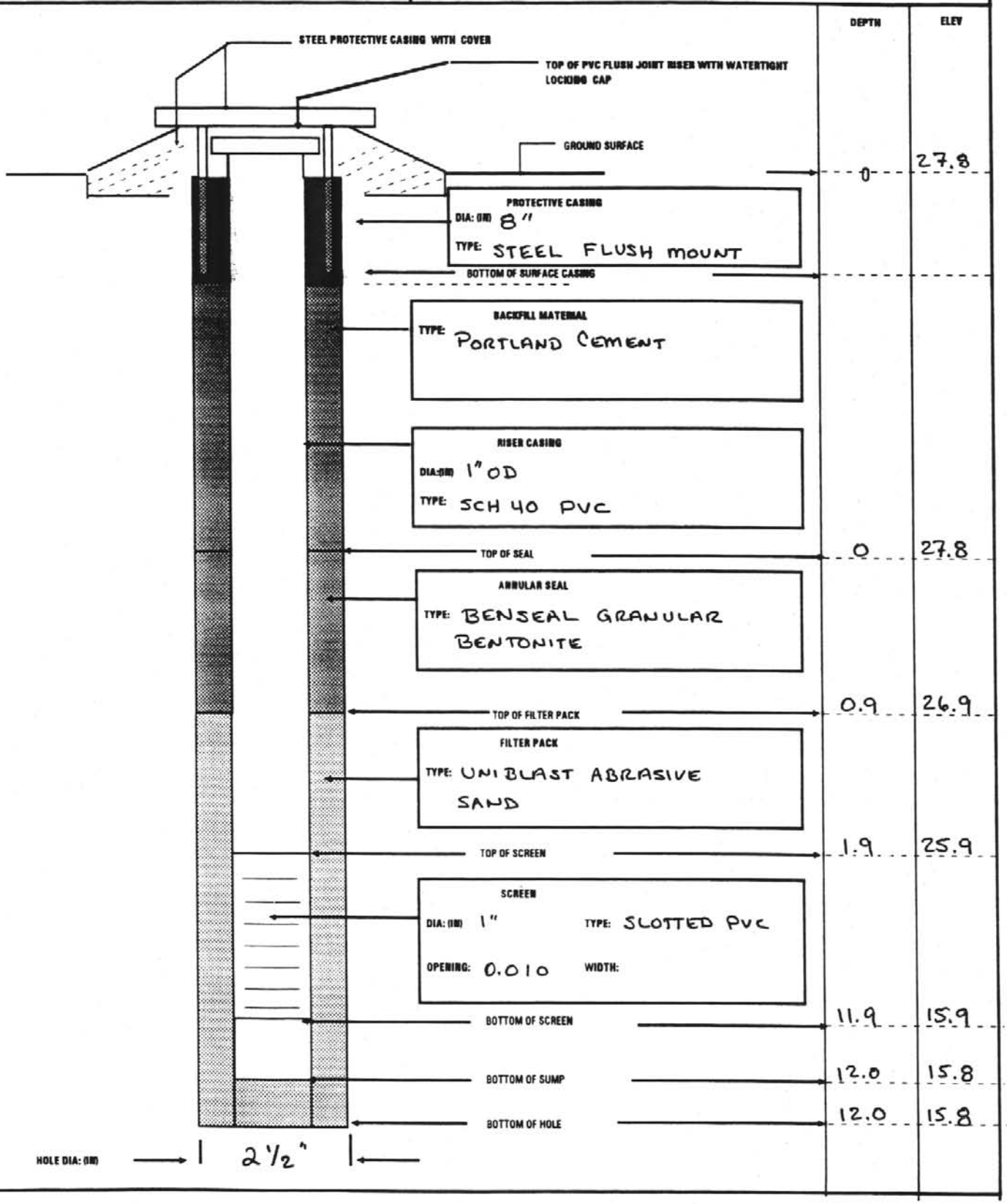
WELL NUMBER: XX-13	**BEGIN:** 2/16/00	**END:** 2/16/00
COORDINATES: N: 739591.50 E: 975251.09	**REFERENCE POINT:** TOC	**ELEVATION:** 22.49



MONITORING WELL

PROJECT: HAAF MCA Barracks

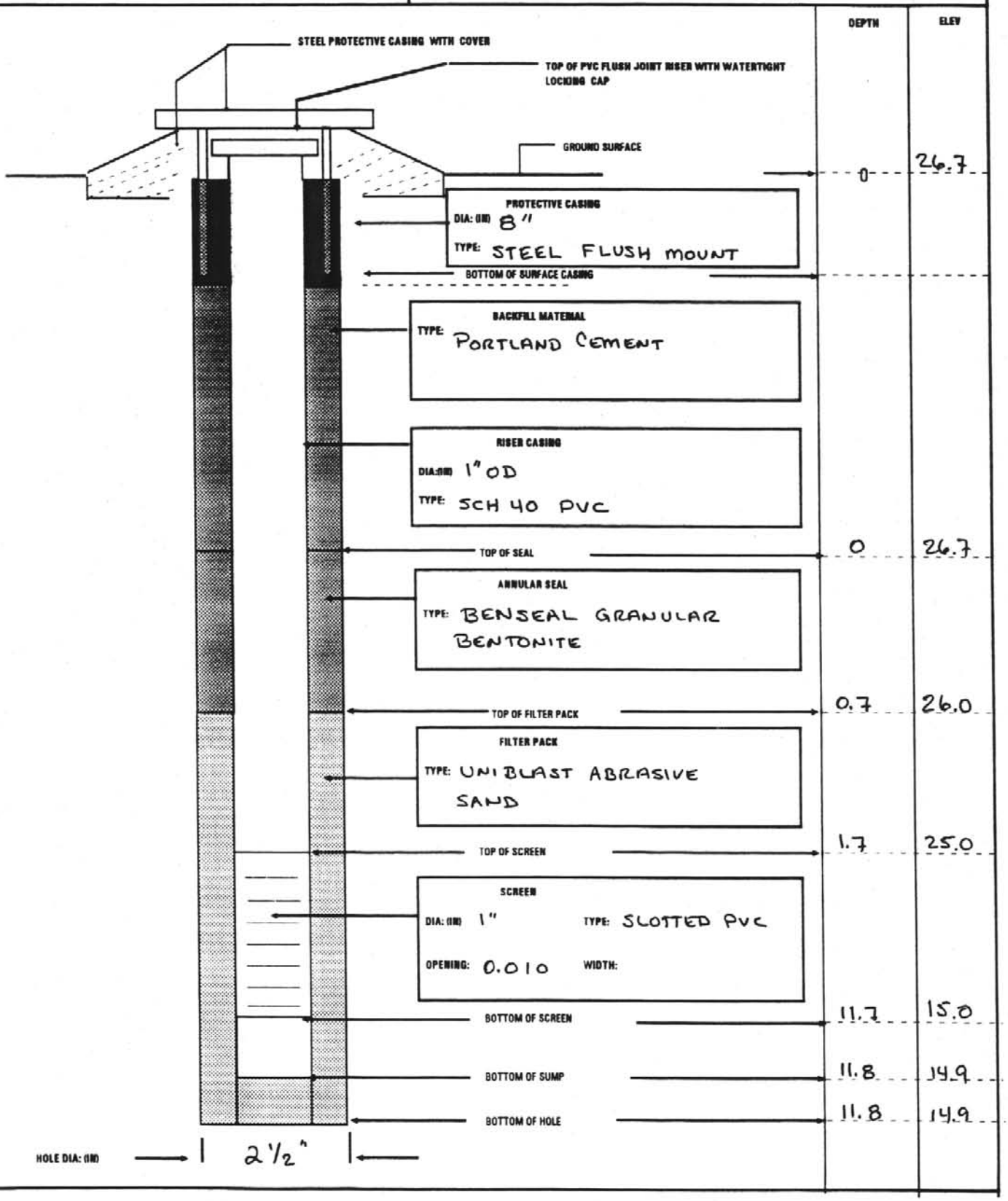
WELL NUMBER: XX-14	**BEGIN:** 2/18/00	**END:** 2/18/00
COORDINATES: N: 739335.49 E: 975361.69	**REFERENCE POINT:** TOC	**ELEVATION:** 27.62



MONITORING WELL

PROJECT: HAAF MCA Barracks

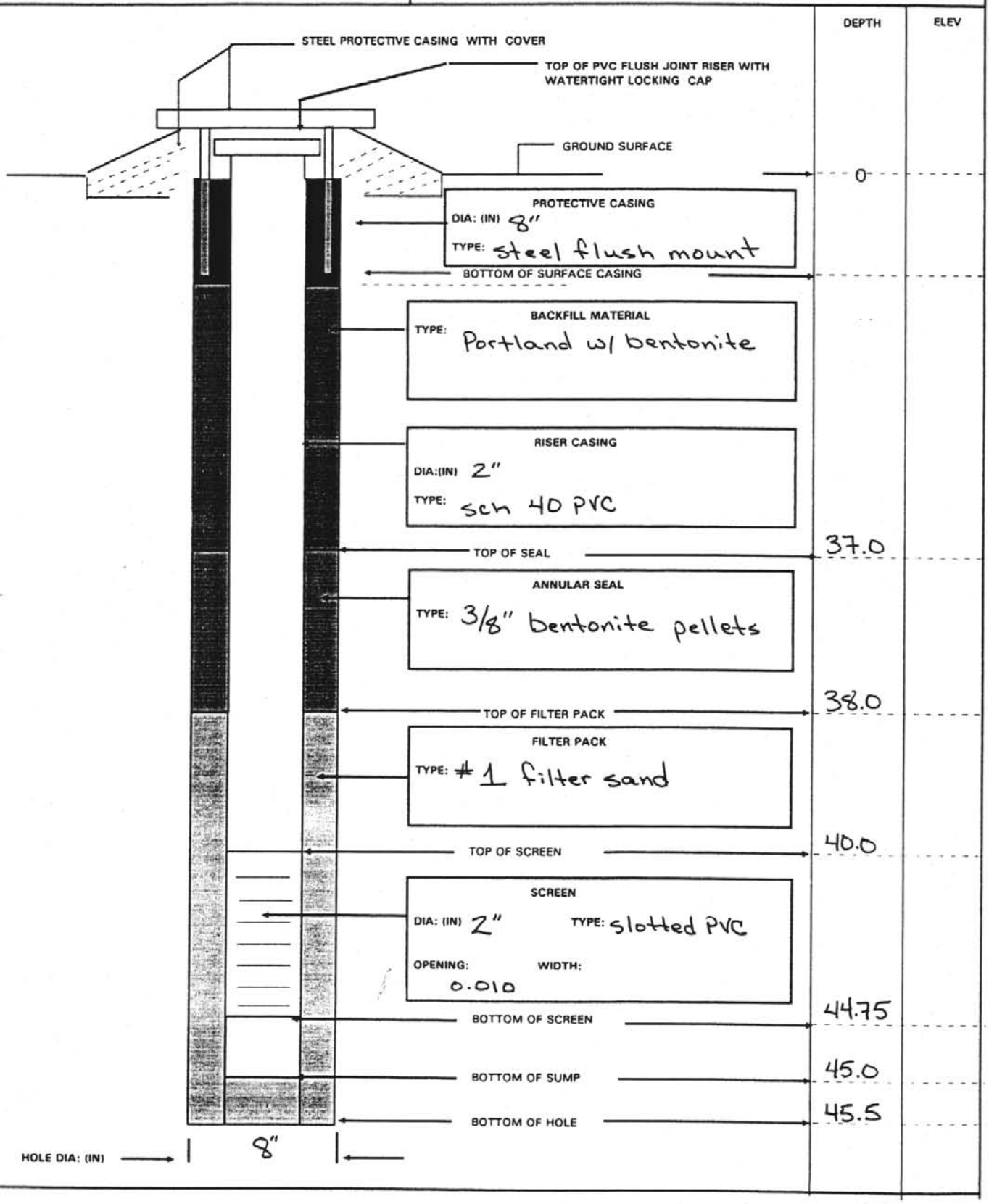
WELL NUMBER: XX-15	**BEGIN:** 2/18/00	**END:** 2/18/00
COORDINATES: N: 739374.30 E: 975548.33	**REFERENCE POINT:** TOC	**ELEVATION:** 26.49



MONITORING WELL

PROJECT: HAAF MCA Barracks

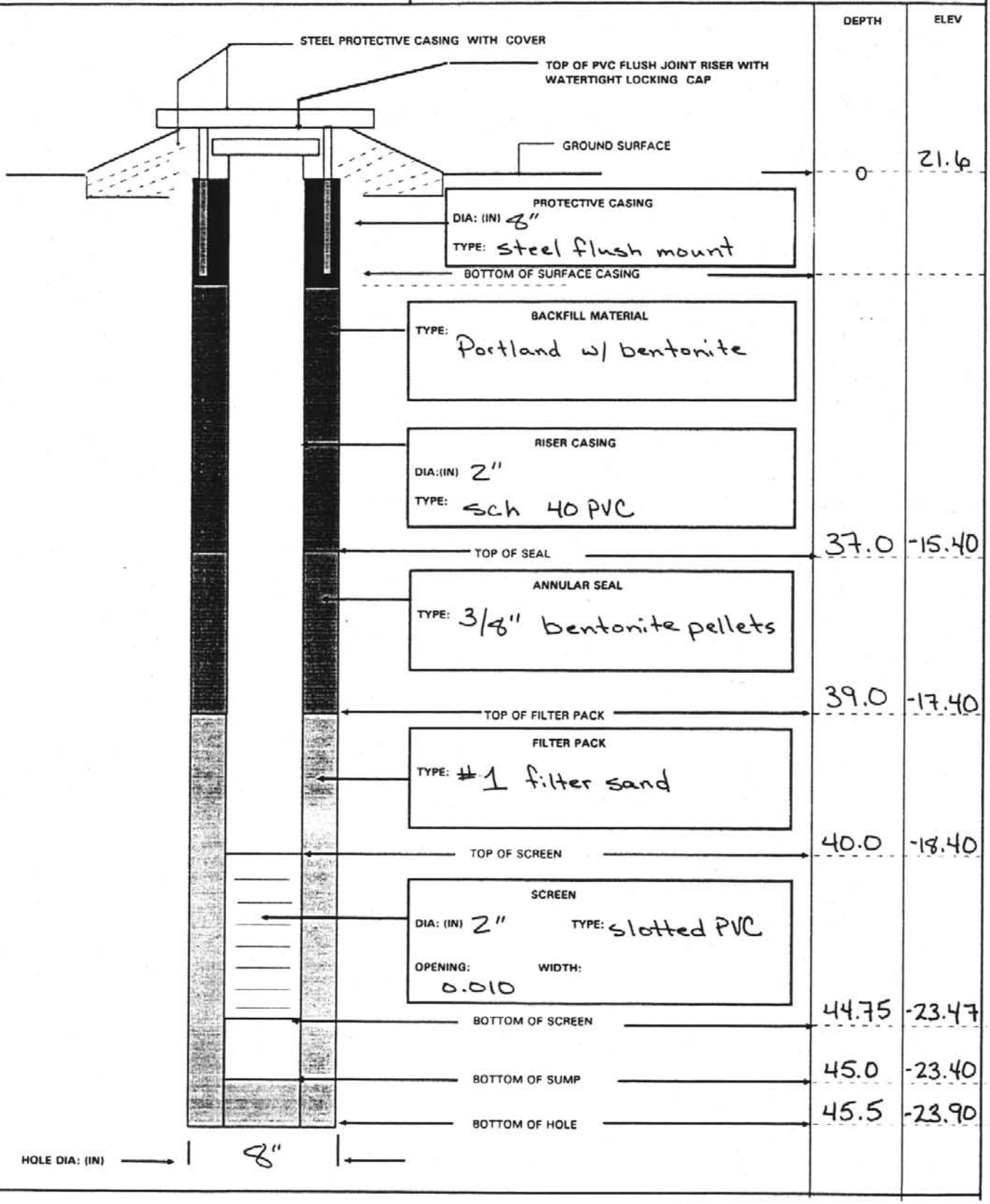
WELL NUMBER: XX-16	BEGIN: 12/4/01	END: 12/4/01
COORDINATES: N: E:	REFERENCE POINT:	ELEVATION:



MONITORING WELL

PROJECT: HAAF MCA Barracks

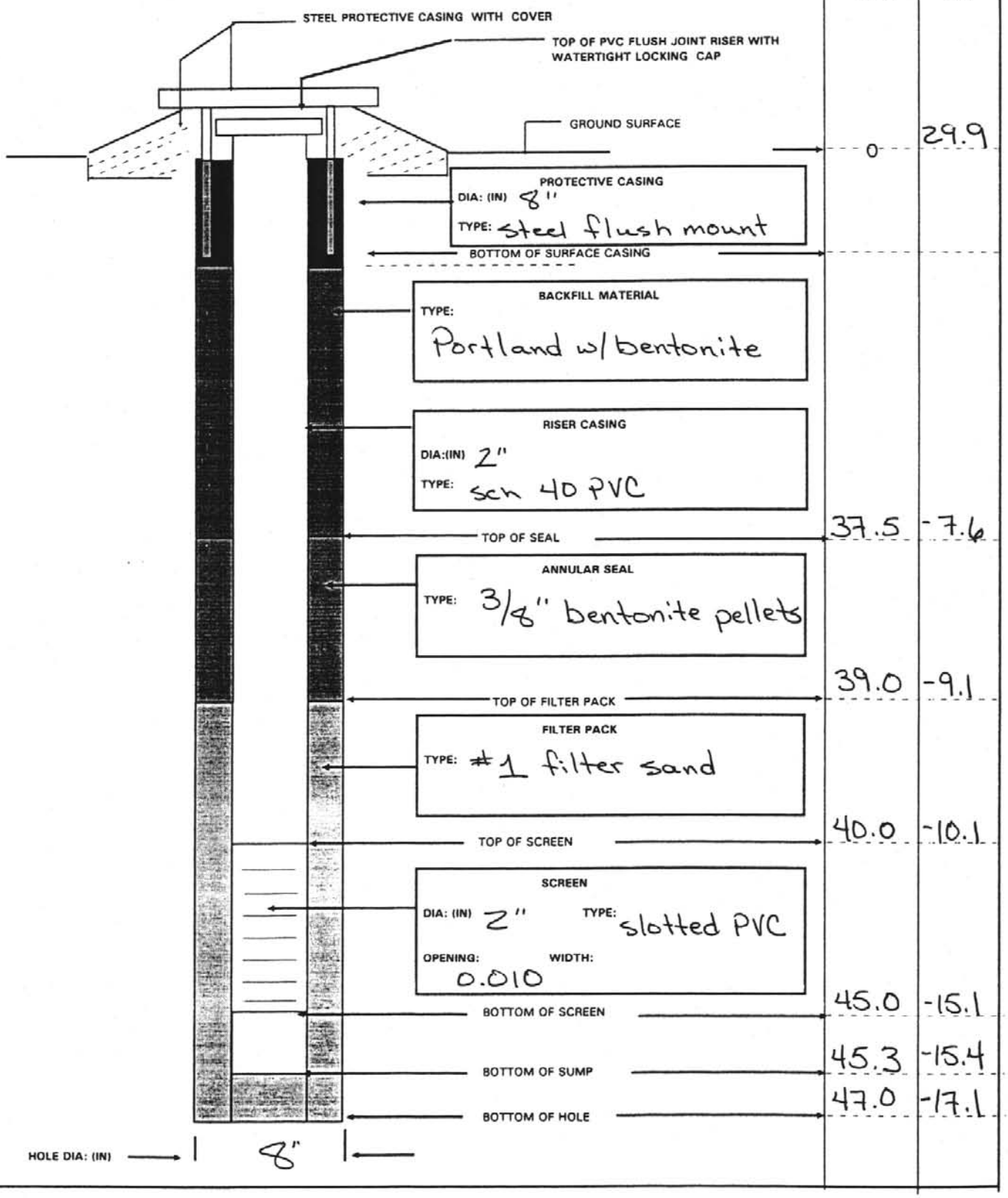
WELL NUMBER: XX-17	BEGIN: 12/4/01	END: 12/5/01
COORDINATES: N: 739573.51537 E: 975618.53153	REFERENCE POINT: TOC	ELEVATION: 21.28



MONITORING WELL

PROJECT: HAAF MCA Barracks

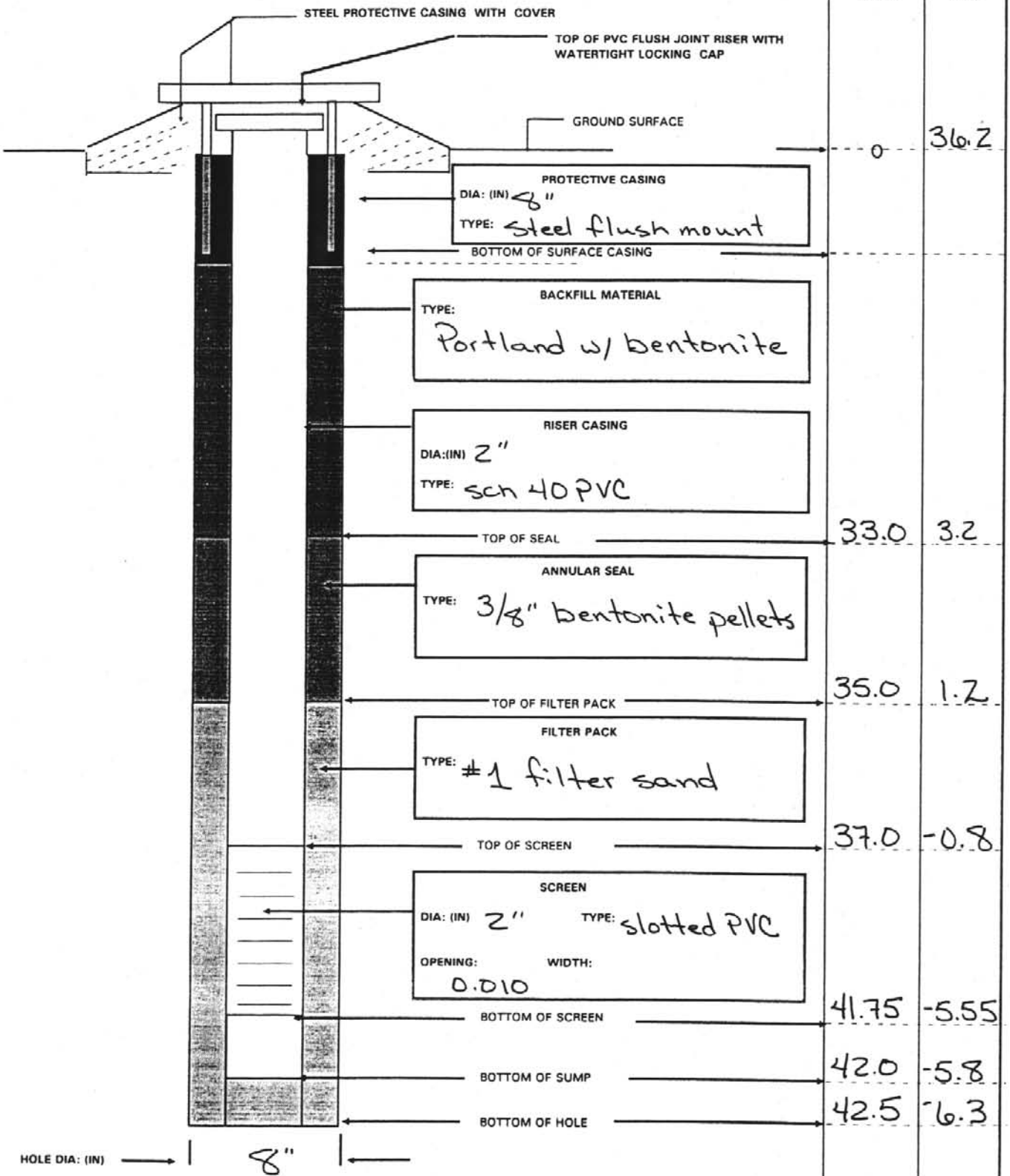
WELL NUMBER: XX-18	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 739102.02754 E: 975231.61641	REFERENCE POINT: TOC	ELEVATION: 29.57



MONITORING WELL

PROJECT: HAAF MCA Barracks

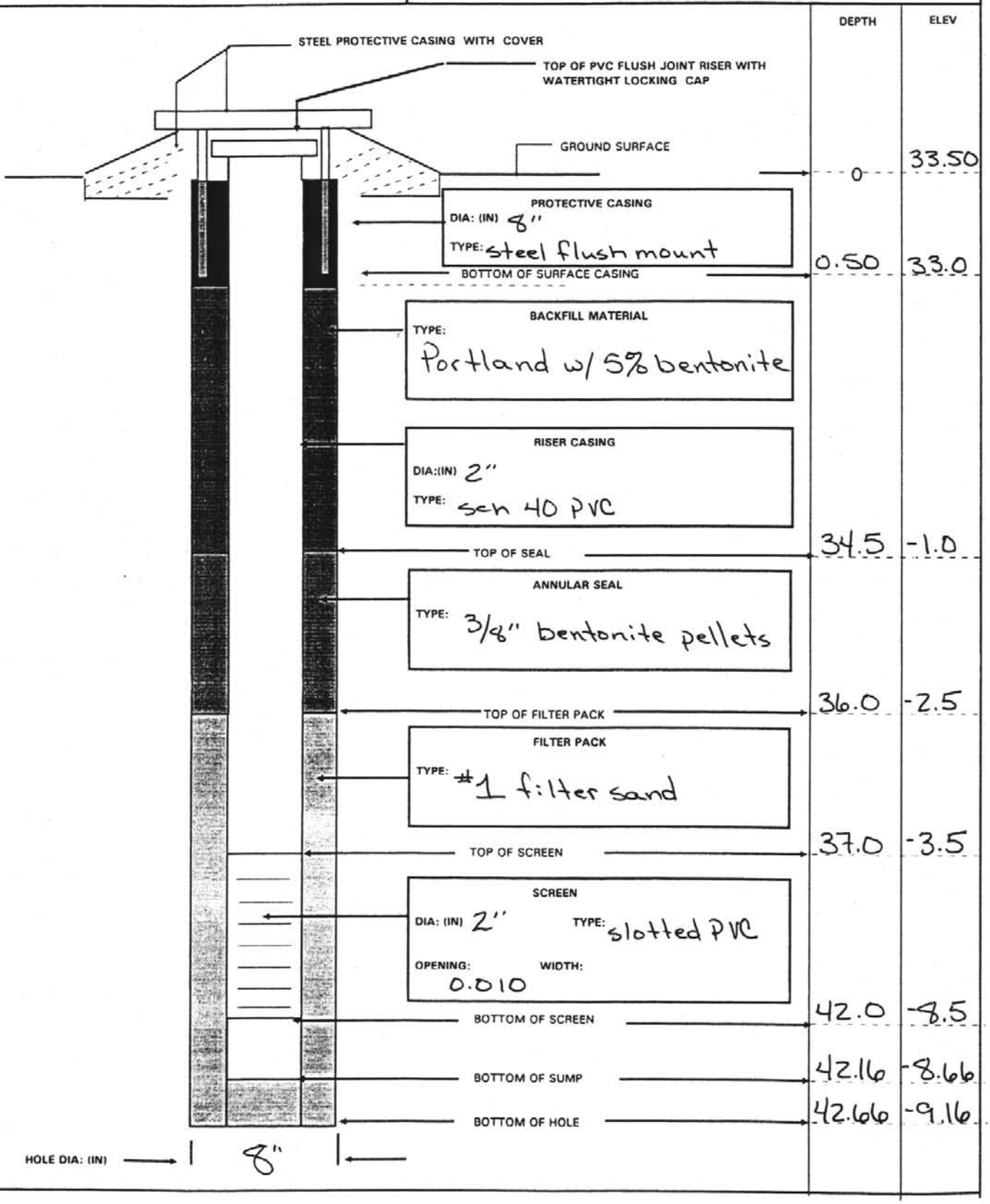
WELL NUMBER: XX-19	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 738640.80029 E: 975467.1856	REFERENCE POINT: TOC	ELEVATION: 35.80



MONITORING WELL

PROJECT: HAAF MCA Barracks

WELL NUMBER: XX-20	BEGIN: 12/4/01	END: 12/4/01
COORDINATES: N: 738880.77632 E: 975842.20413	REFERENCE POINT: TOC	ELEVATION: 33.26

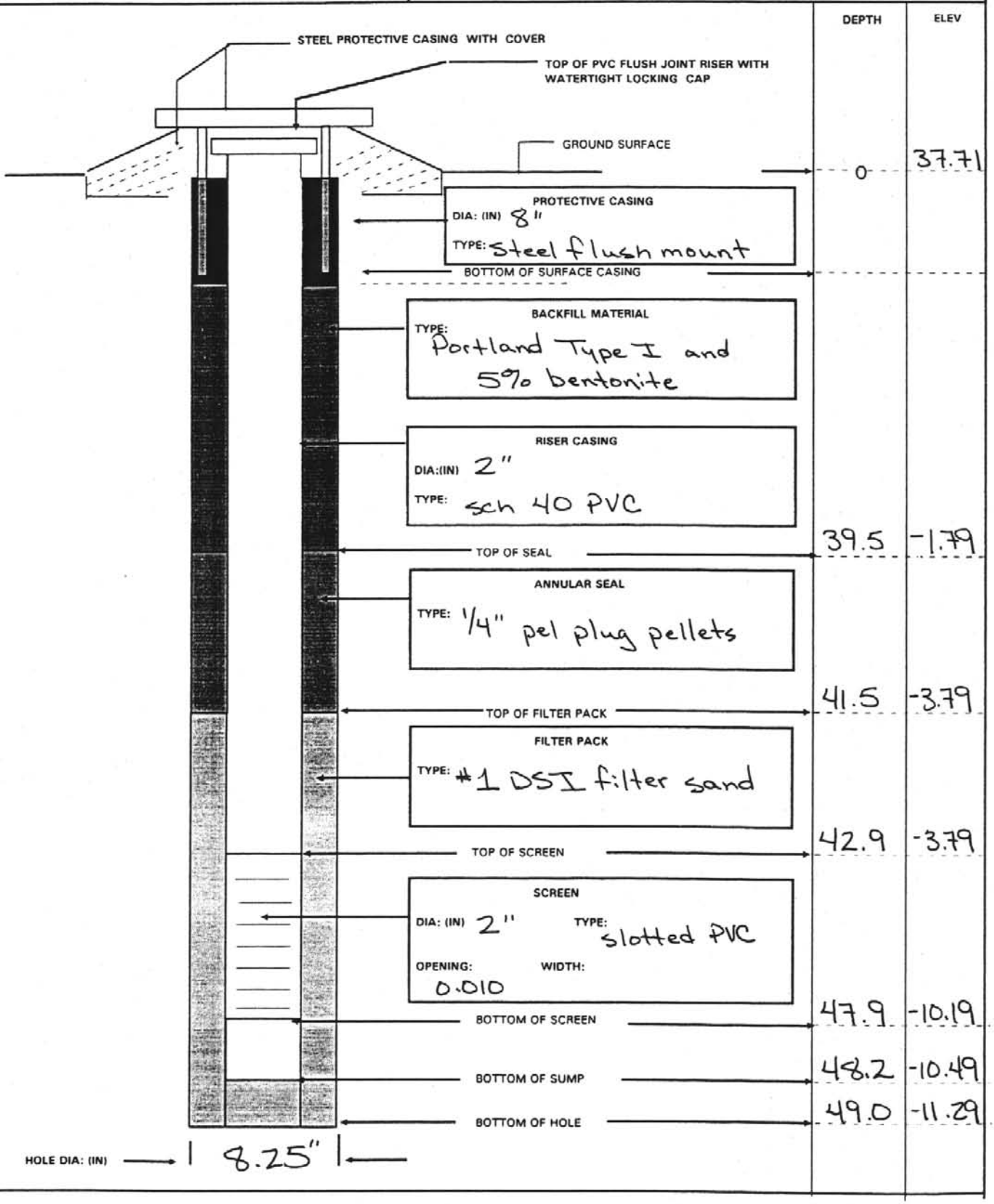


	DEPTH	ELEV
GROUND SURFACE	0	33.50
BOTTOM OF SURFACE CASING	0.50	33.0
TOP OF SEAL	34.5	-1.0
TOP OF FILTER PACK	36.0	-2.5
TOP OF SCREEN	37.0	-3.5
BOTTOM OF SCREEN	42.0	-8.5
BOTTOM OF SUMP	42.16	-8.66
BOTTOM OF HOLE	42.66	-9.16

MONITORING WELL

PROJECT: HAAF MCA Barracks

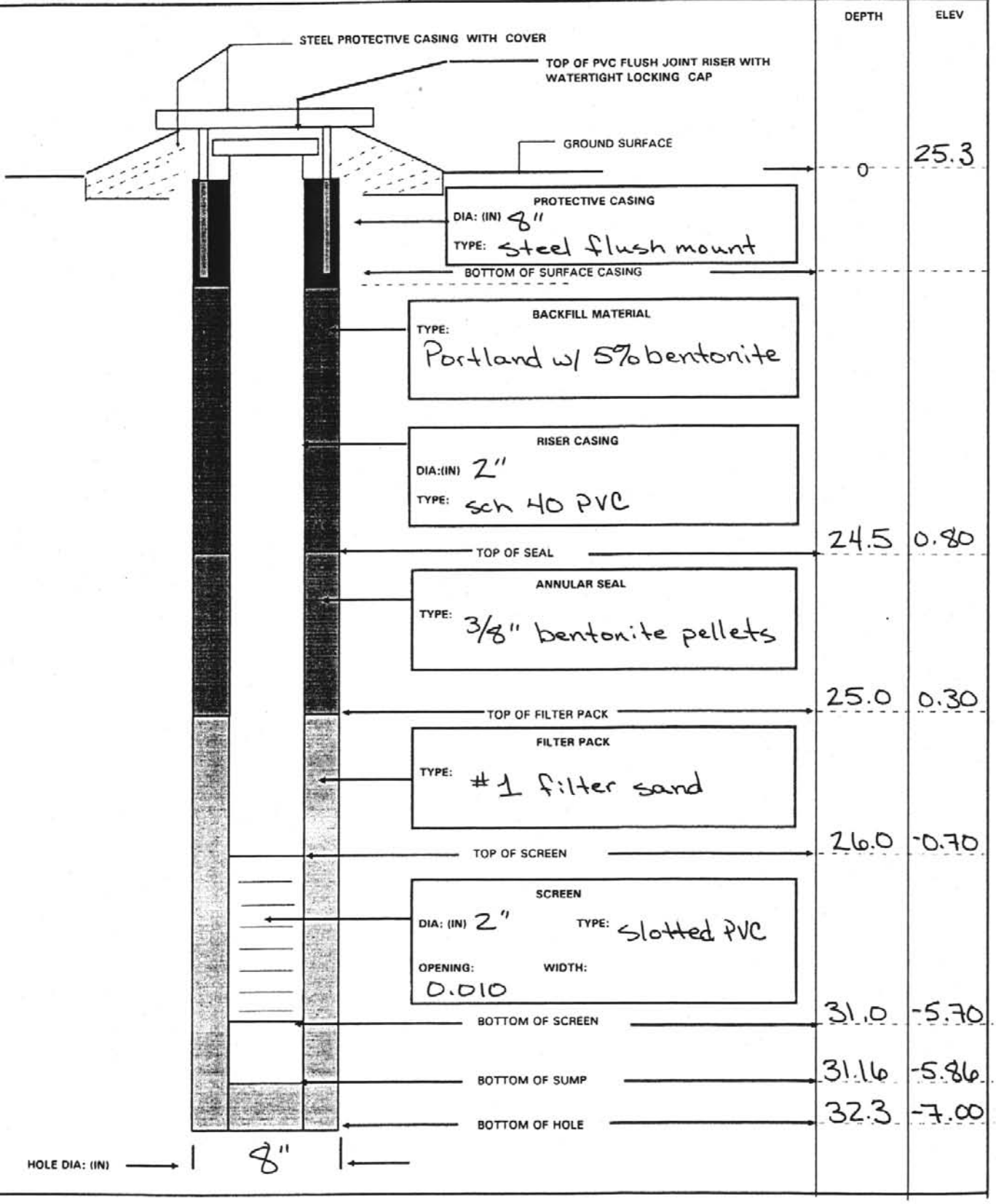
WELL NUMBER: XX-21	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 738379.40565 E: 975678.68812	REFERENCE POINT: TOC	ELEVATION: 37.31



MONITORING WELL

PROJECT: HAAF MCA Barracks

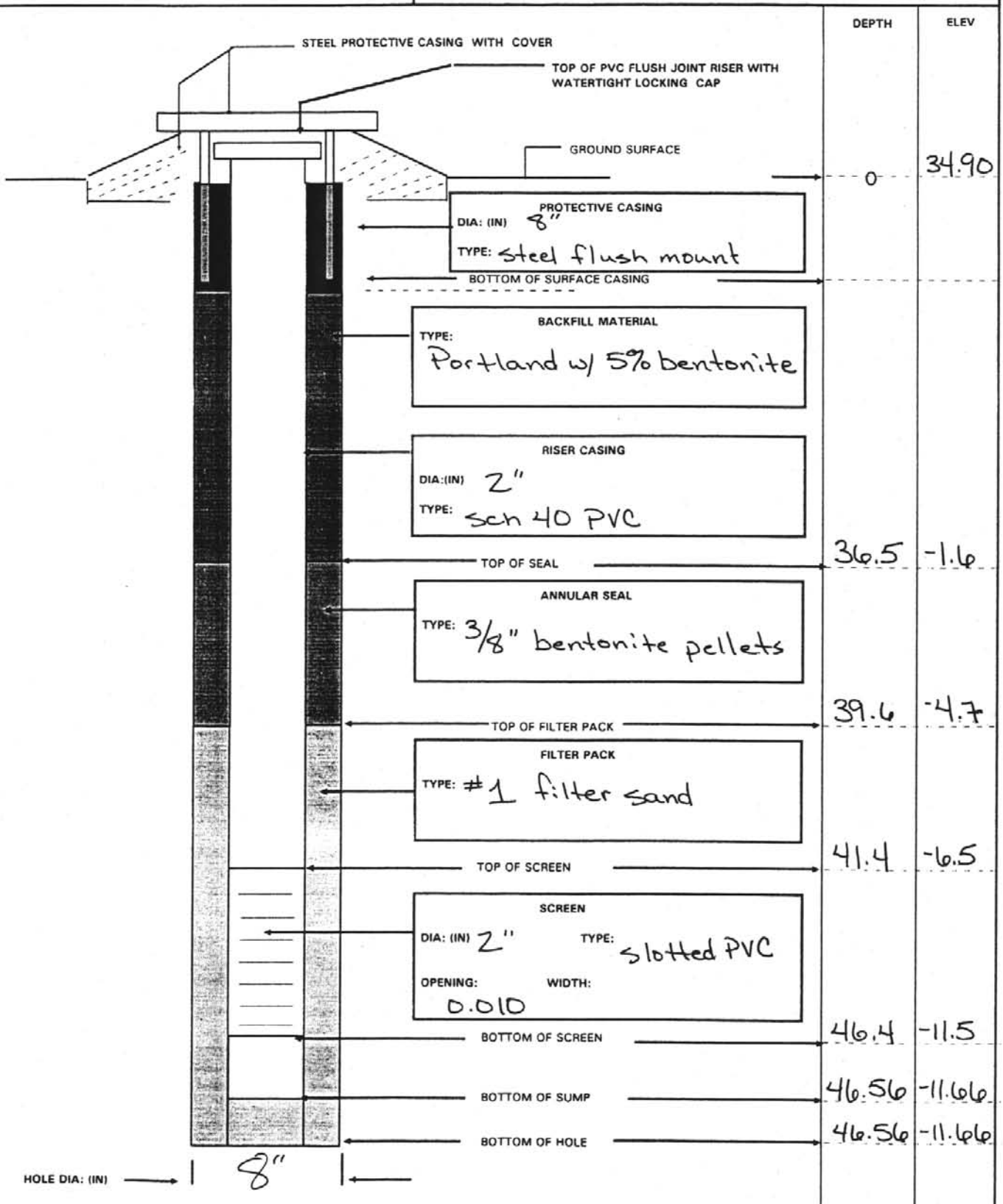
WELL NUMBER: XX-22	BEGIN: 12/4/01	END: 12/5/01
COORDINATES: N: 738821.20368 E: 976581.78865	REFERENCE POINT: TOC	ELEVATION: 25.17



MONITORING WELL

PROJECT: HAAF MCA Barracks

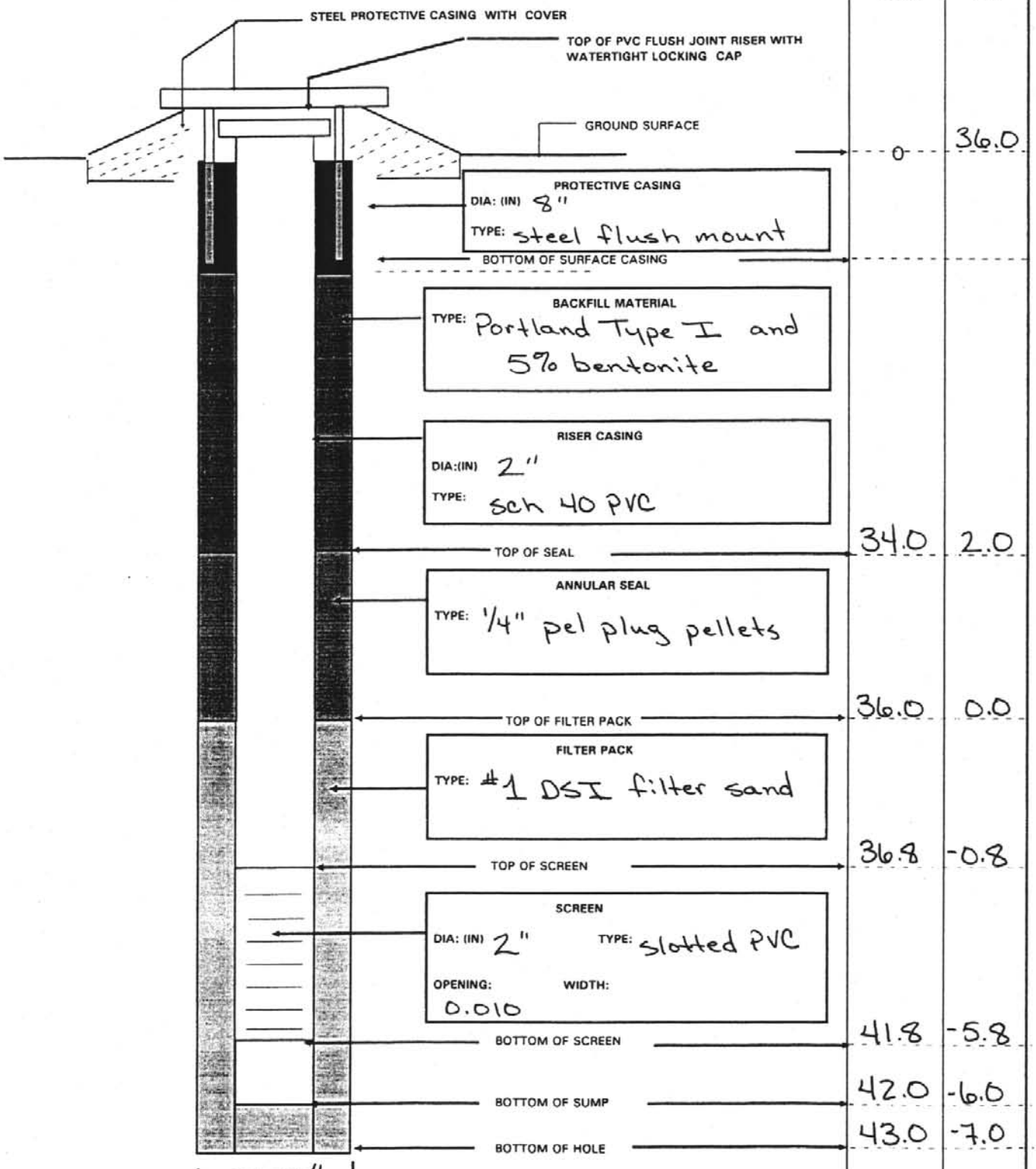
WELL NUMBER: XX-23	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 738492.94836 E: 976533.77957	REFERENCE POINT: TOC	ELEVATION: 34.59



MONITORING WELL

PROJECT: HAAF MCA Barracks

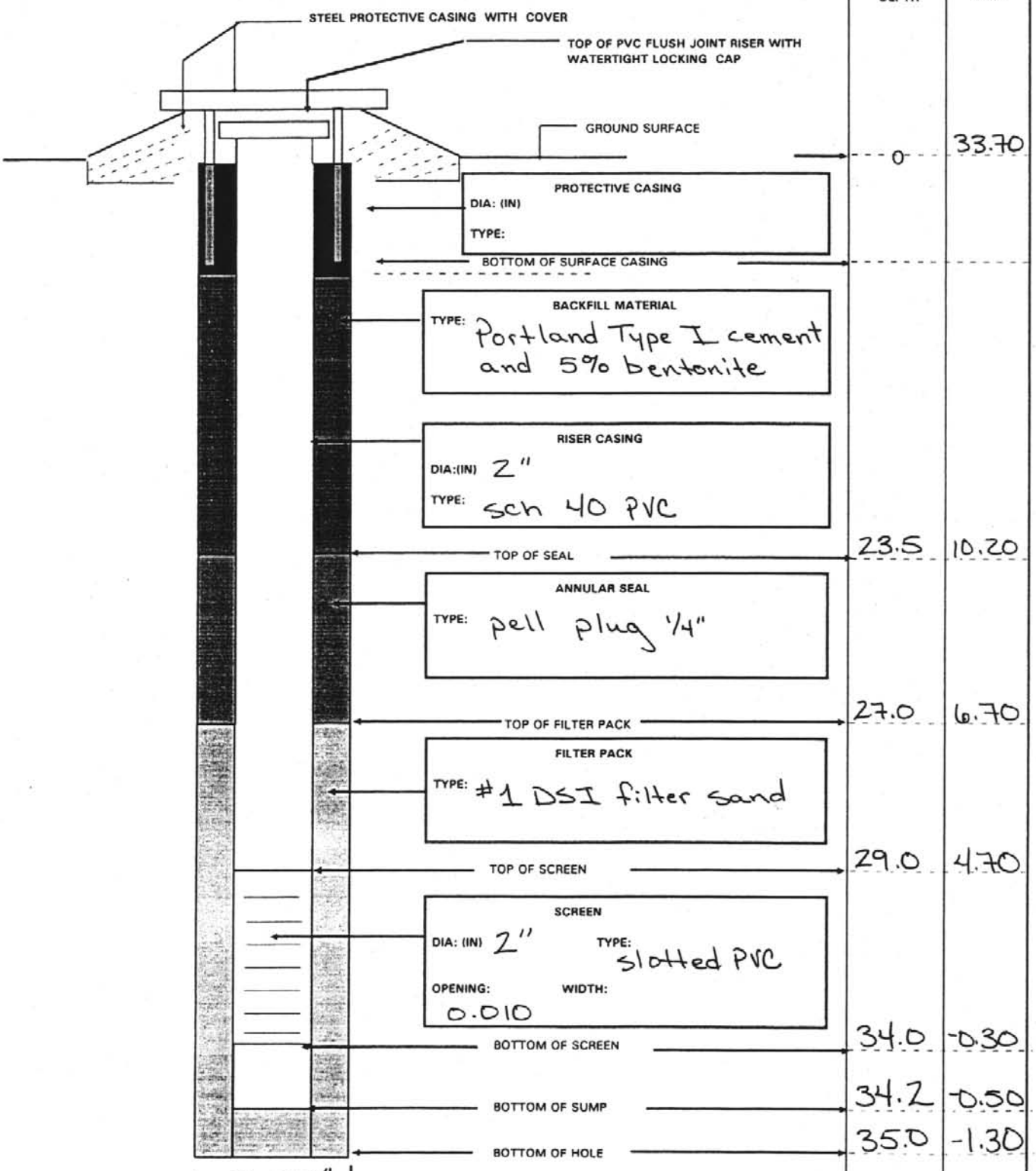
WELL NUMBER: XX-24	BEGIN: 12/4/01	END: 12/4/01
COORDINATES: N: 737978.60144 E: 976526.52586	REFERENCE POINT: TOC	ELEVATION: 35.77



MONITORING WELL

PROJECT: HAAF MCA Barracks

WELL NUMBER: XX-25	BEGIN: 12/4/01	END: 12/4/01
COORDINATES: N: 738171.47742 E: 976833.25449	REFERENCE POINT: TOC	ELEVATION: 33.51

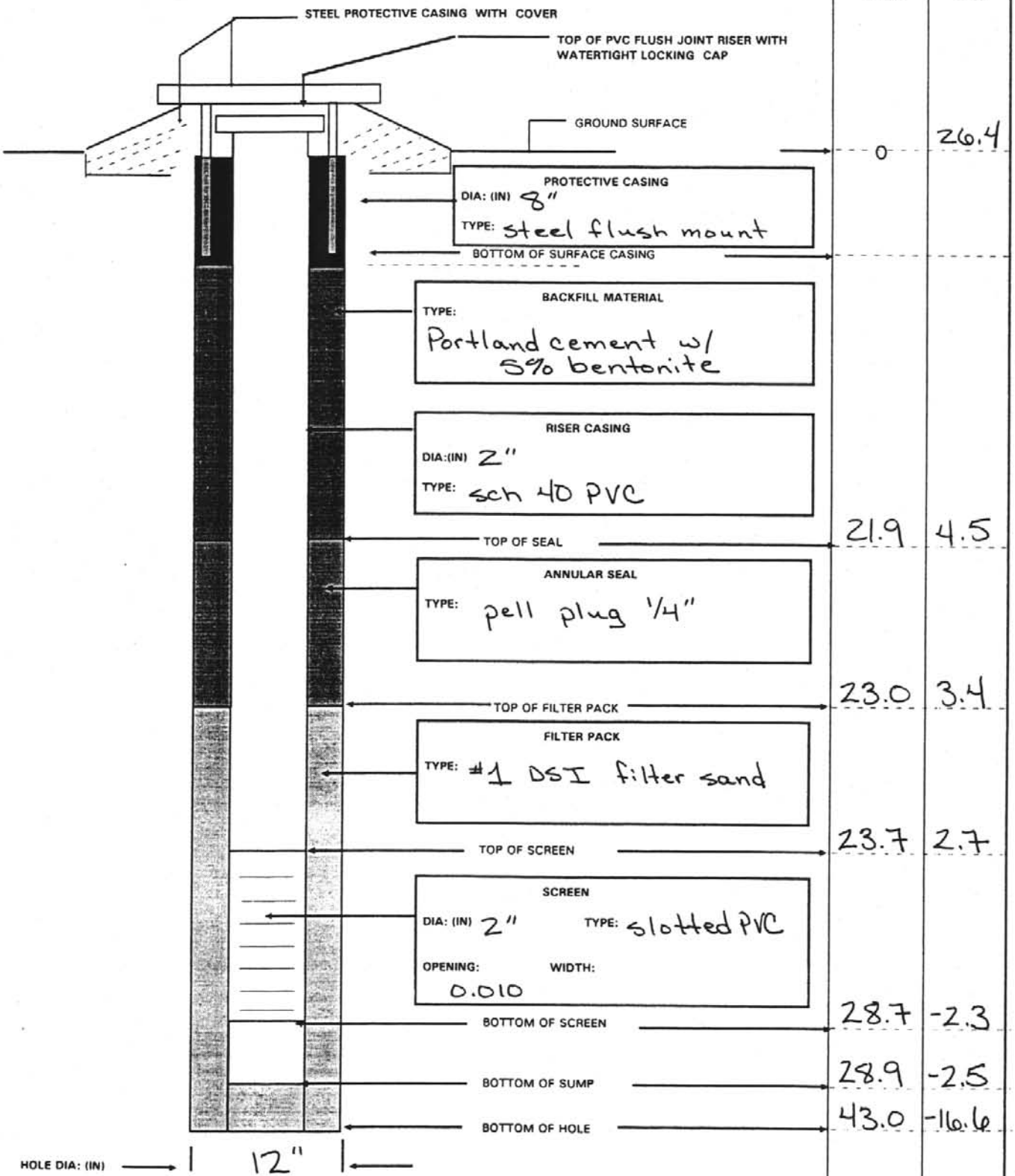


	DEPTH	ELEV
GROUND SURFACE	0	33.70
TOP OF SEAL	23.5	10.20
TOP OF FILTER PACK	27.0	6.70
TOP OF SCREEN	29.0	4.70
BOTTOM OF SCREEN	34.0	-0.30
BOTTOM OF SUMP	34.2	-0.50
BOTTOM OF HOLE	35.0	-1.30

MONITORING WELL

PROJECT: HAAF MCA Barracks

WELL NUMBER: XX-26 1-5	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 739351.16600 E: 975861.58259	REFERENCE POINT: TOC	ELEVATION: 26.16

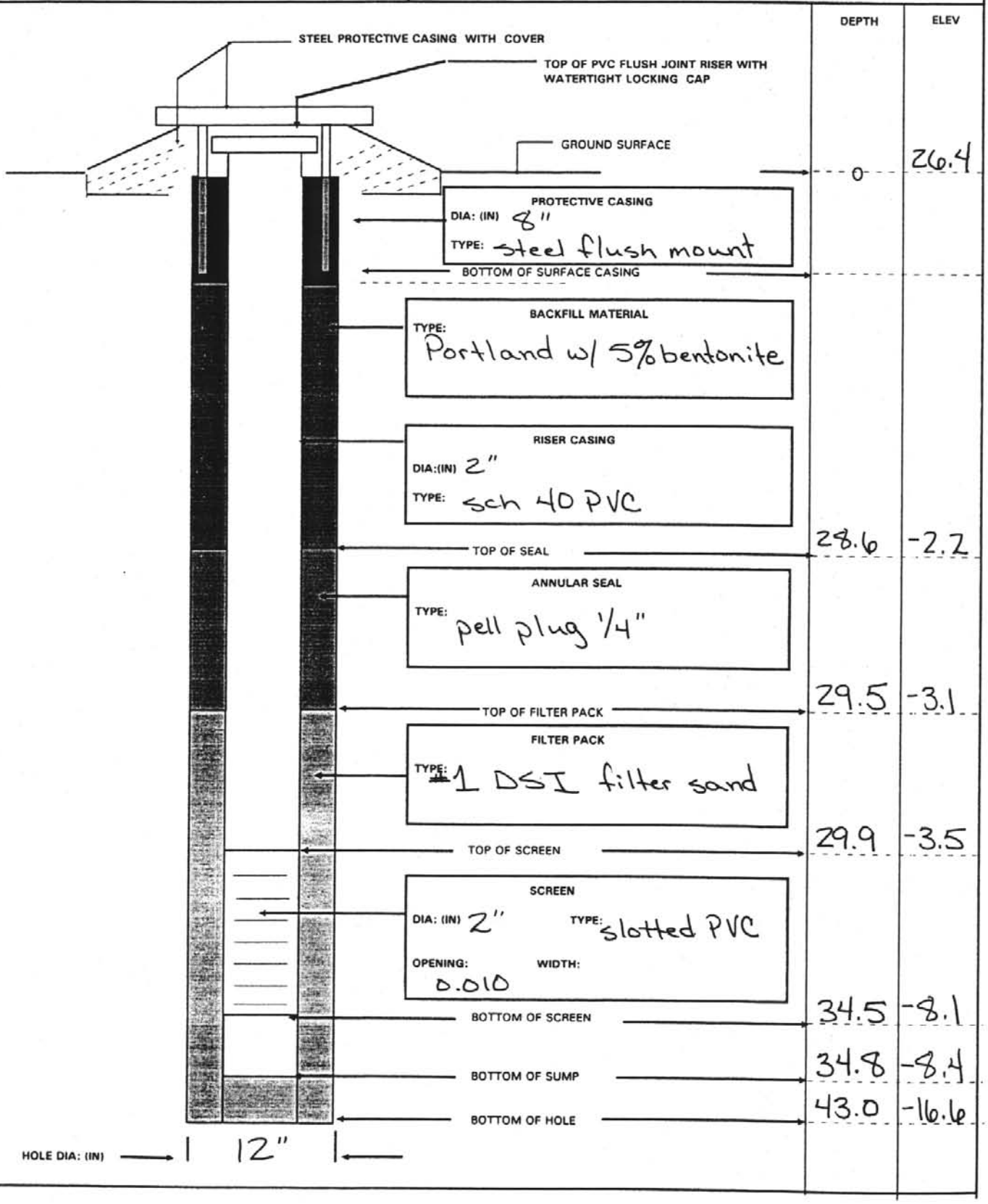


	DEPTH	ELEV
GROUND SURFACE	0	26.4
BOTTOM OF SURFACE CASING		
TOP OF SEAL	21.9	4.5
TOP OF FILTER PACK	23.0	3.4
TOP OF SCREEN	23.7	2.7
BOTTOM OF SCREEN	28.7	-2.3
BOTTOM OF SUMP	28.9	-2.5
BOTTOM OF HOLE	43.0	-16.6

MONITORING WELL

PROJECT: HAAF MCA Barracks

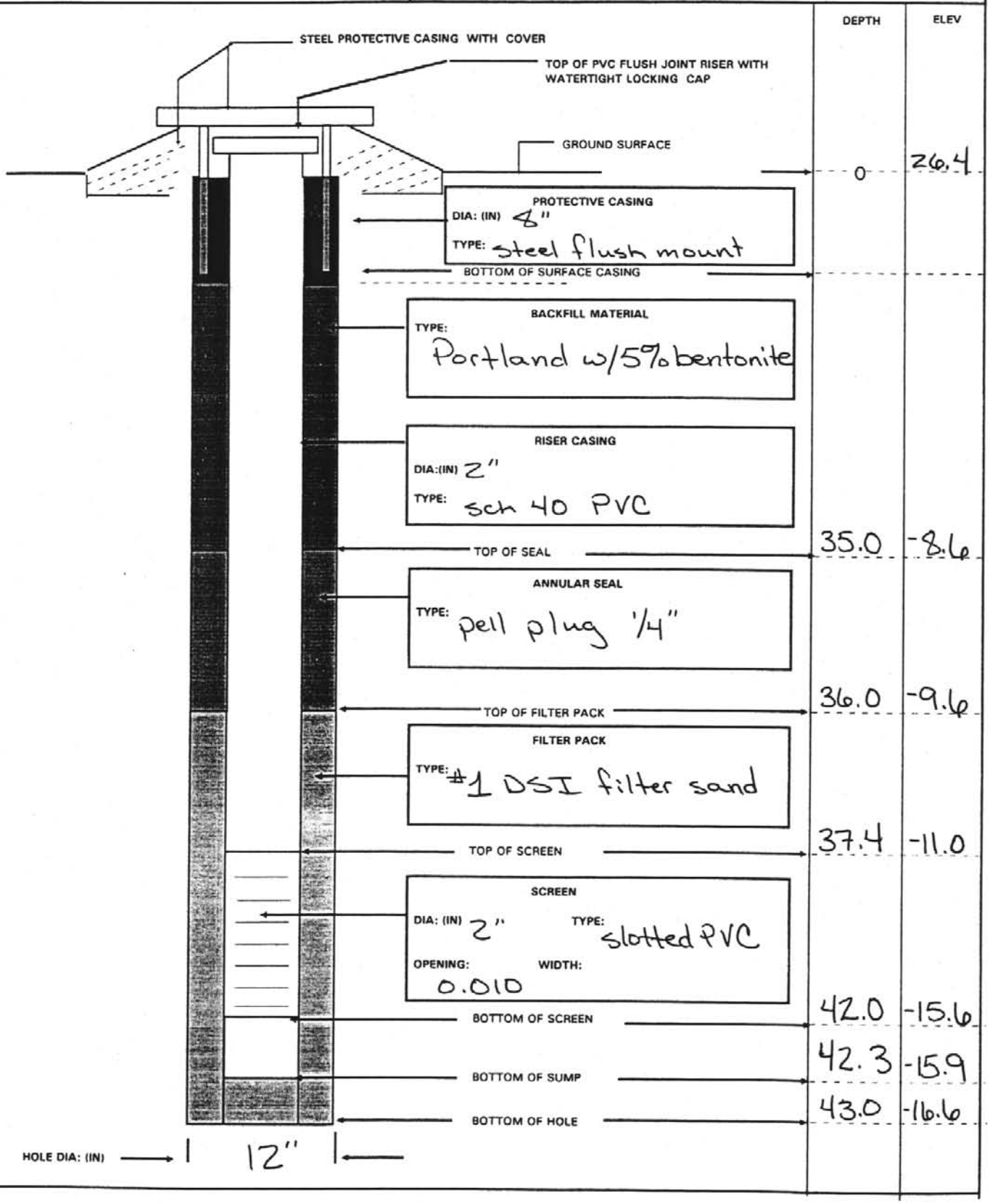
WELL NUMBER: XX-26 Z-M	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 739350.94779 E: 975861.69096	REFERENCE POINT: TOC	ELEVATION: 26.21



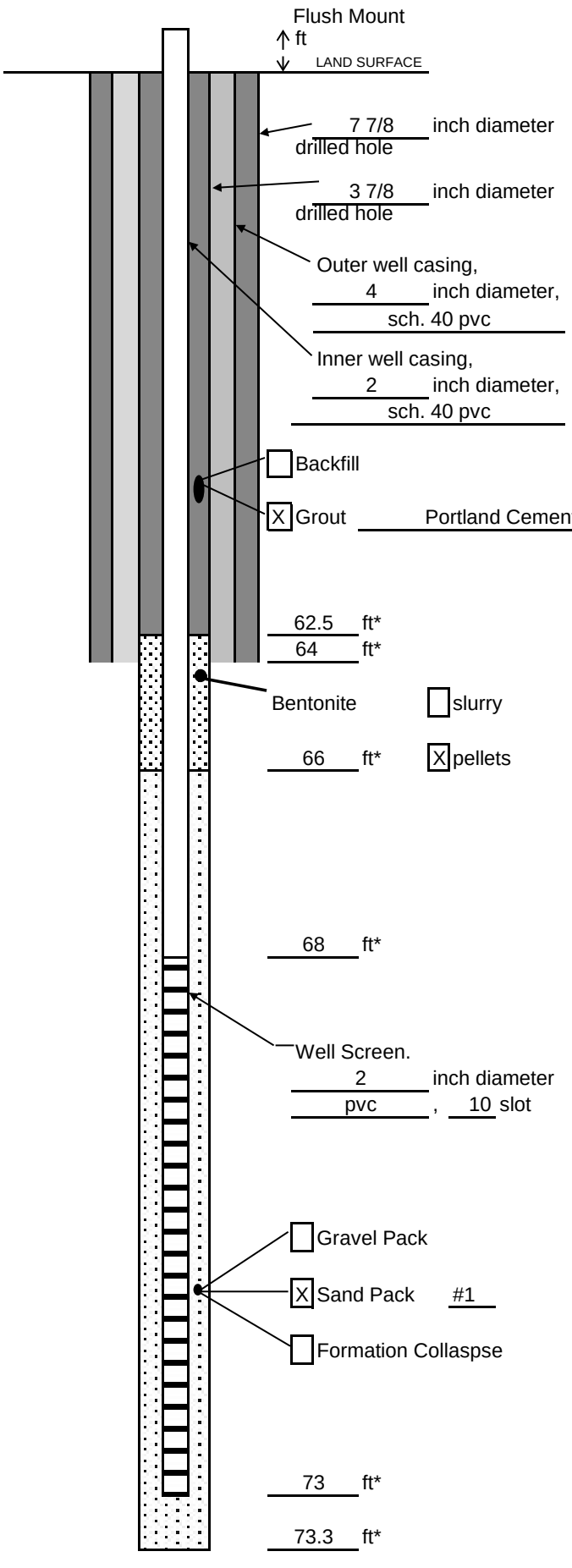
MONITORING WELL

PROJECT: HAAF MCA Barracks

WELL NUMBER: XX-26 3-D	BEGIN: 12/5/01	END: 12/5/01
COORDINATES: N: 739350.94779 E: 9758661.39875	REFERENCE POINT: TOC	ELEVATION: 26.15



WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-02D

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. NA

Land-Surface Elevation and Datum:

NA feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/15-8/20/2011

Drilling Method Mud Rotary

Drilling Contractor Parratt Wolff, Inc.

Drilling Fluid Bentonite slurry

Development Technique(s) and Date(s)

Waterra Pump and Surge Block

Fluid Loss During Drilling None gallons

Water Removed During Development TBD gallons

Static Depth to Water TBD feet below M.P.

Pumping Depth to Water TBD feet below M.P.

Pumping Duration TBD hours

Yield TBD gpm Date TBD

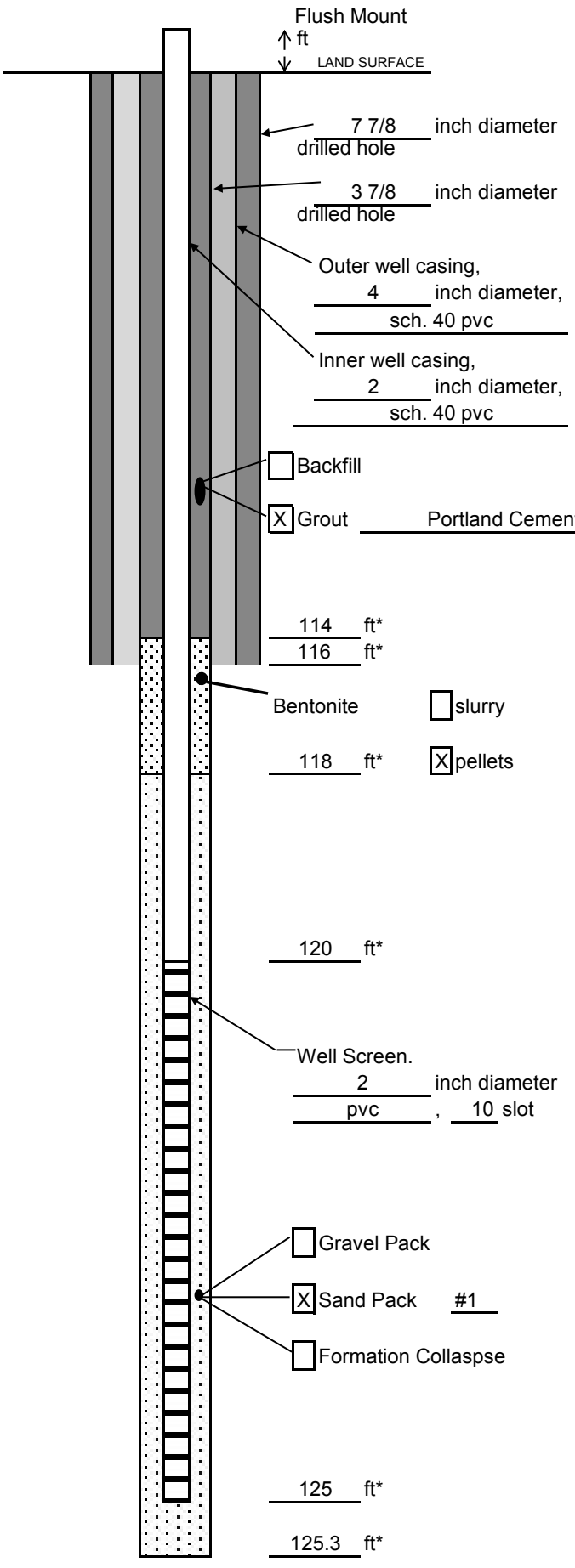
Specific Capacity TBD gpm/ft

Well Purpose Monitor Well

Remarks

Prepared by Allison Fang

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-02E

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. NA

Land-Surface Elevation and Datum:

NA feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/16-8/24/2011

Drilling Method Mud Rotary

Drilling Contractor Parratt Wolff, Inc.

Drilling Fluid Bentonite slurry

Development Technique(s) and Date(s)

Waterra Pump and Surge Block

Fluid Loss During Drilling None gallons

Water Removed During Development TBD gallons

Static Depth to Water TBD feet below M.P.

Pumping Depth to Water TBD feet below M.P.

Pumping Duration TBD hours

Yield TBD gpm Date TBD

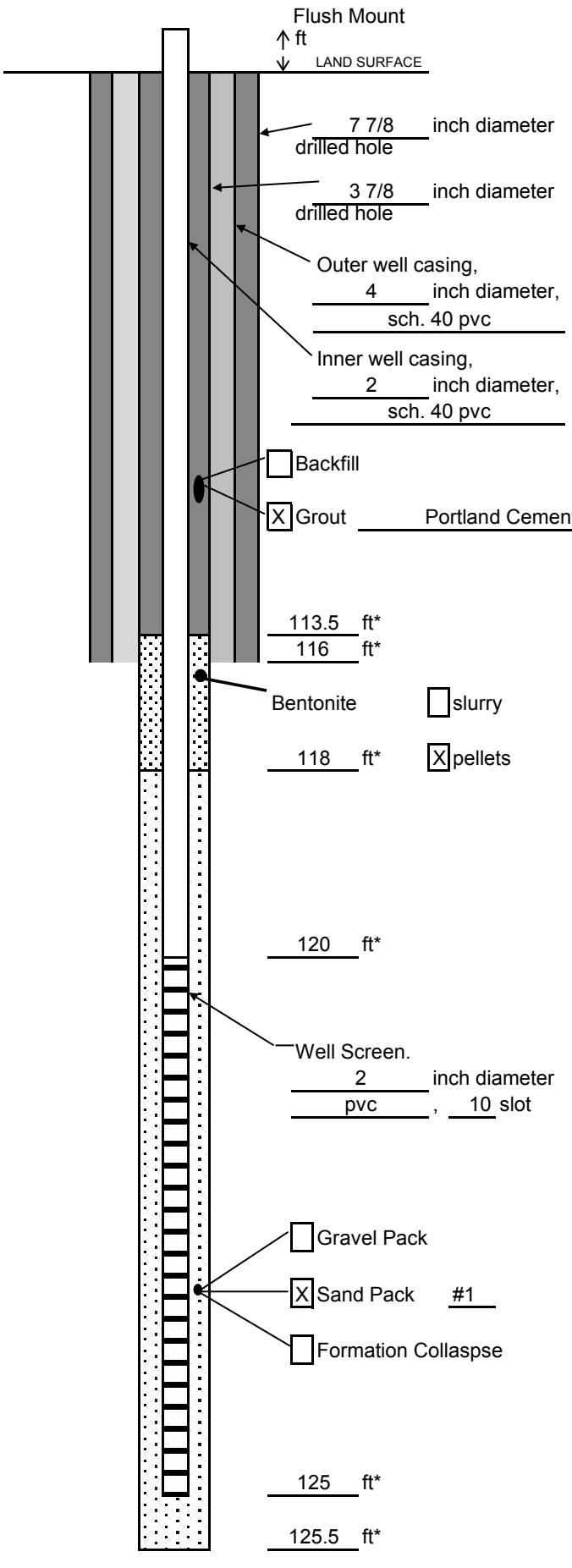
Specific Capacity TBD gpm/ft

Well Purpose Monitor Well

Remarks

Prepared by Allison Fang

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-20E

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. NA

Land-Surface Elevation and Datum:

NA feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/21-8/30/2011

Drilling Method Mud Rotary

Drilling Contractor Parratt Wolff, Inc.

Drilling Fluid Bentonite slurry

Development Technique(s) and Date(s)

Waterra Pump and Surge Block

Fluid Loss During Drilling None gallons

Water Removed During Development TBD gallons

Static Depth to Water TBD feet below M.P.

Pumping Depth to Water TBD feet below M.P.

Pumping Duration TBD hours

Yield TBD gpm Date TBD

Specific Capacity TBD gpm/ft

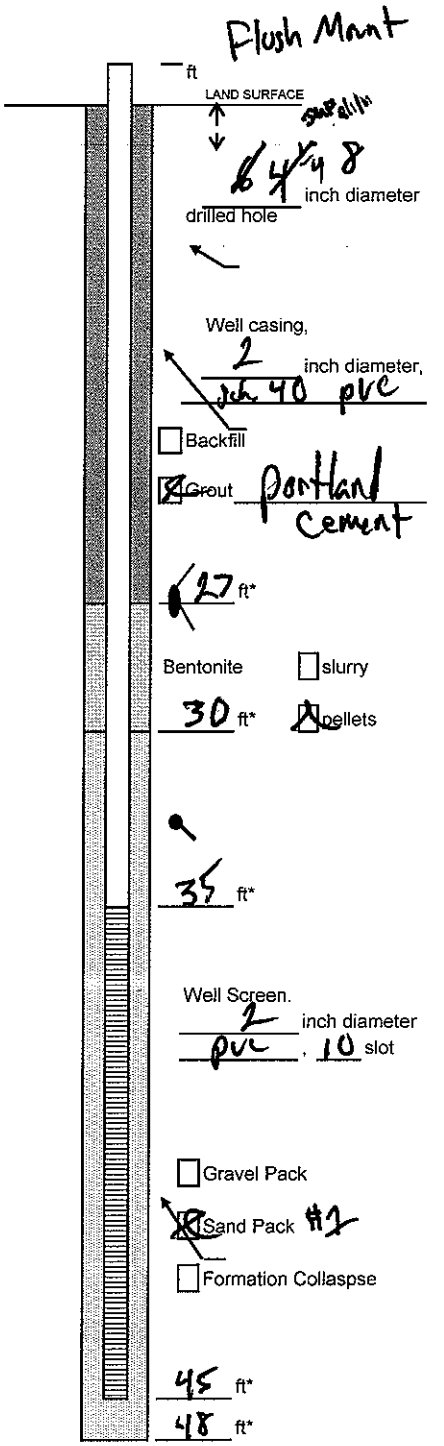
Well Purpose Monitor Well

Remarks

Prepared by Allison Fang

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well HI5-MW-08C

Town/City Hunter Army Airbase

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/4/11

Drilling Method HSA

Drilling Contractor GeoLab

Drilling Fluid —

Development Technique(s) and Date(s)

Waterra Pump and Surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 2 hours

Yield NM gpm Date 8/22/11

Specific Capacity NM gpm/ft

Well Purpose Monitor Well

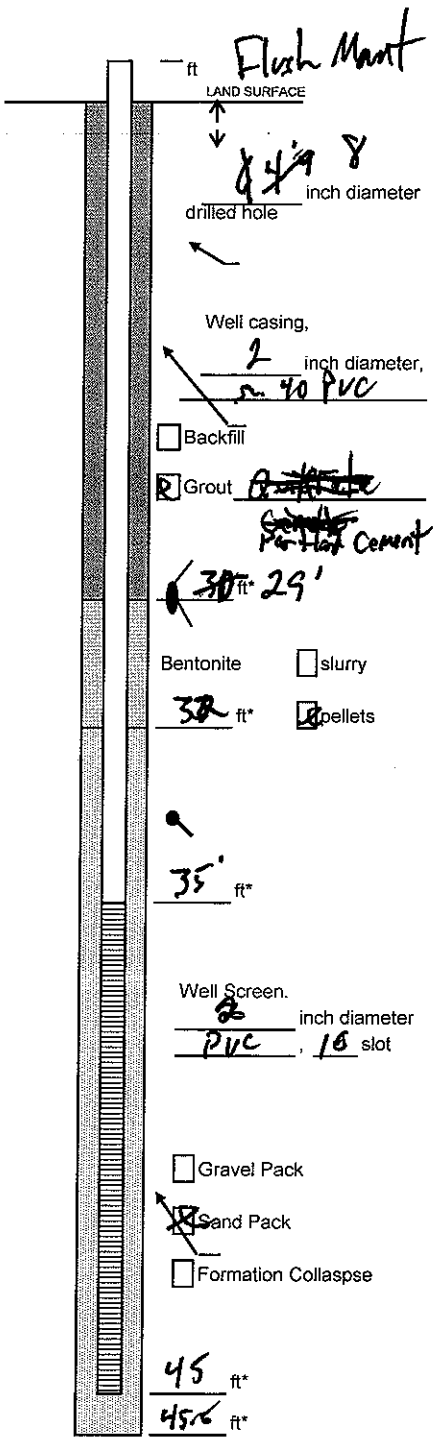
Remarks

Prepared by Jared Fino

G:\Env\Common\Field Forms\Well Const-Unconsolidated.xlsx

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well HIS-MW-09C

Town/City Hunter

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/2/11

Drilling Method HSA

Drilling Contractor GeoLab

Drilling Fluid N/A

Development Technique(s) and Date(s)

Waterra Pump and Surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1.25 hours

Yield NM gpm Date 8/11/11

Specific Capacity NM gpm/ft

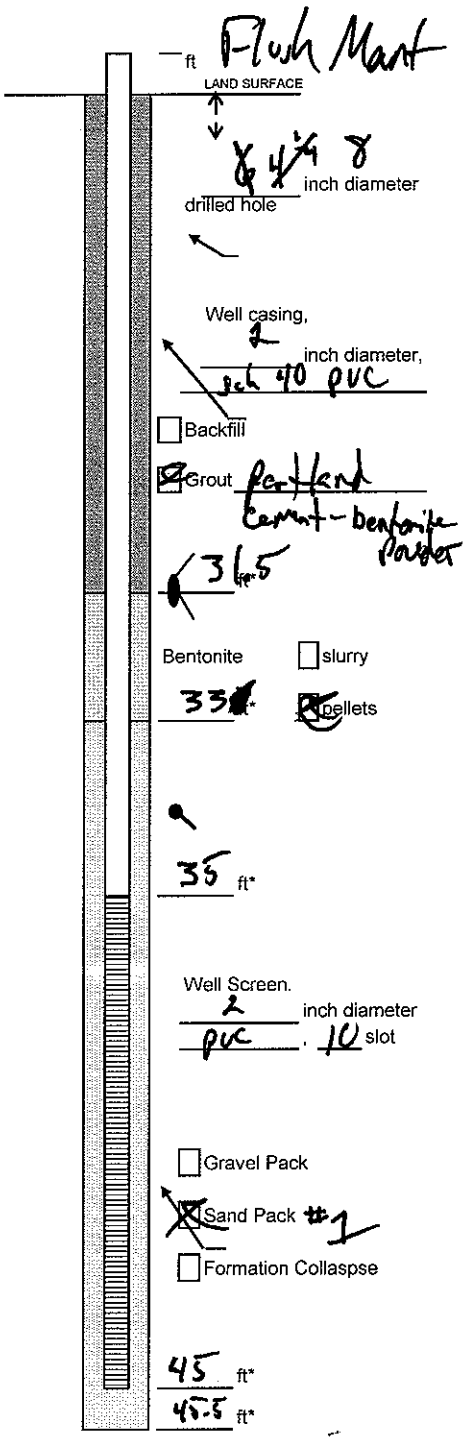
Well Purpose Monitoring Well

Remarks

Prepared by Jared Fino

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is Top of Well Casing ~~Unless~~ Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-10C

Town/City Hunter Army Air Field

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

____ feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/2/11

Drilling Method HSA

Drilling Contractor Geo Lab

Drilling Fluid /

Development Technique(s) and Date(s)

Waterra pump and surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1 hours

Yield NM gpm Date 8/9/11

Specific Capacity NM gpm/ft

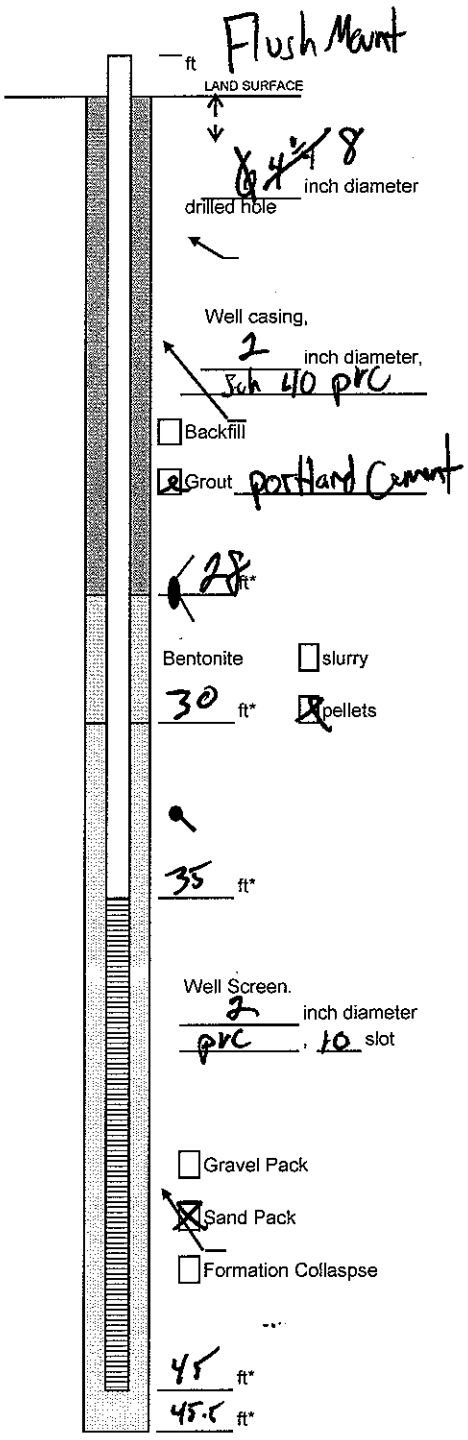
Well Purpose Monitor well

Remarks

Prepared by Jared Fino

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well HA15-MW-11C

Town/City Hunter Army Airbase

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/2/11

Drilling Method HSA

Drilling Contractor Geolab

Drilling Fluid —

Development Technique(s) and Date(s)

Waterra Pump and Surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1.5 hours

Yield NM gpm Date 8/8/11

Specific Capacity NM gpm/ft

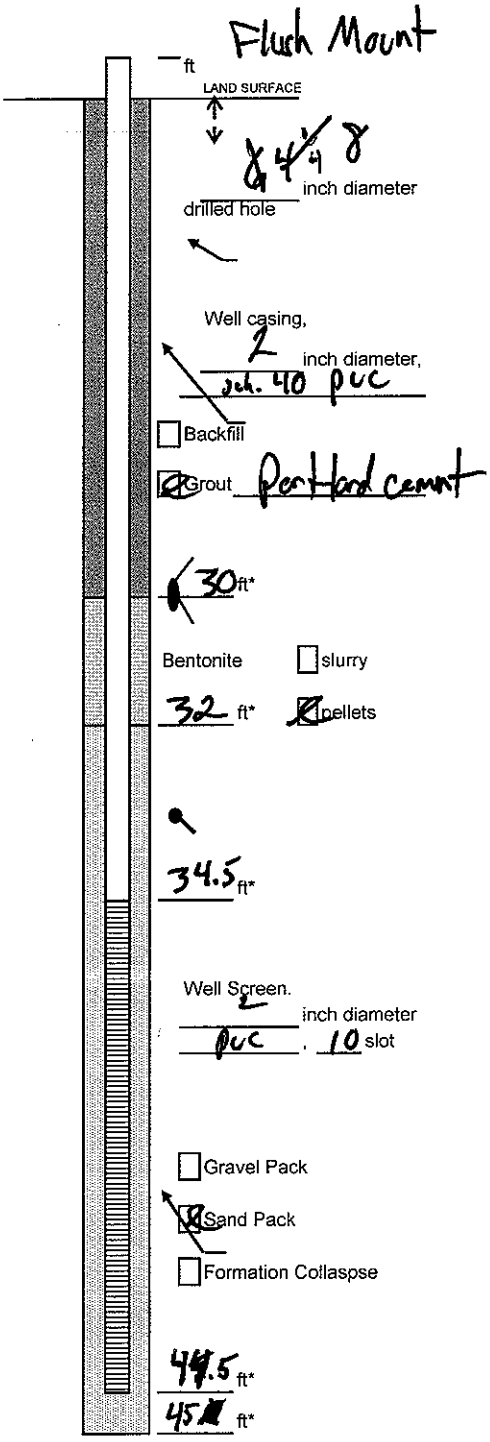
Well Purpose Monitor Well

Remarks

Prepared by Jared Fino

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well ~~HM~~ H15-MW-12C

Town/City Hunter Army Airbase

County Chatham State GA

Permit No.

Land-Surface Elevation and Datum:

feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/3/11

Drilling Method HSA

Drilling Contractor GeoLAB

Drilling Fluid /

Development Technique(s) and Date(s)

Waterra Pump and Surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 5.5 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 2.5 hours

Yield NM gpm Date 8/9/11

Specific Capacity NM gpm/ft

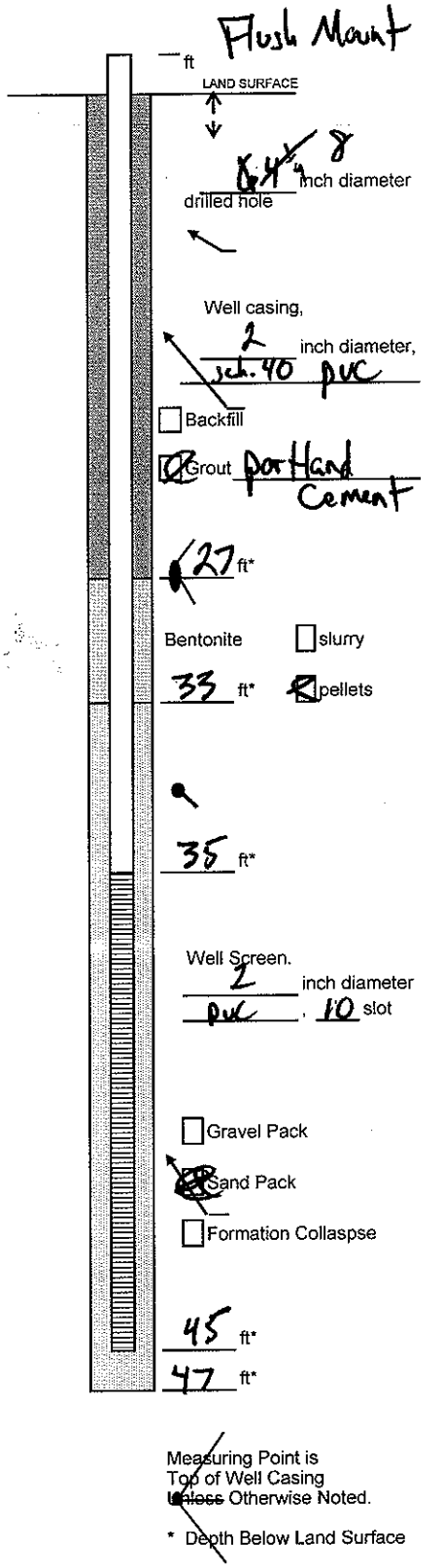
Well Purpose Monitor Well

Remarks

Prepared by Jared Fino

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well H15-MW-13C

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. /

Land-Surface Elevation and Datum:

/ feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/4/11

Drilling Method HSA

Drilling Contractor GeoLab

Drilling Fluid NA

Development Technique(s) and Date(s)

Waterra Pump and surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 54 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 2.1 hours

Yield NM gpm Date 8/11/11

Specific Capacity NM gpm/ft

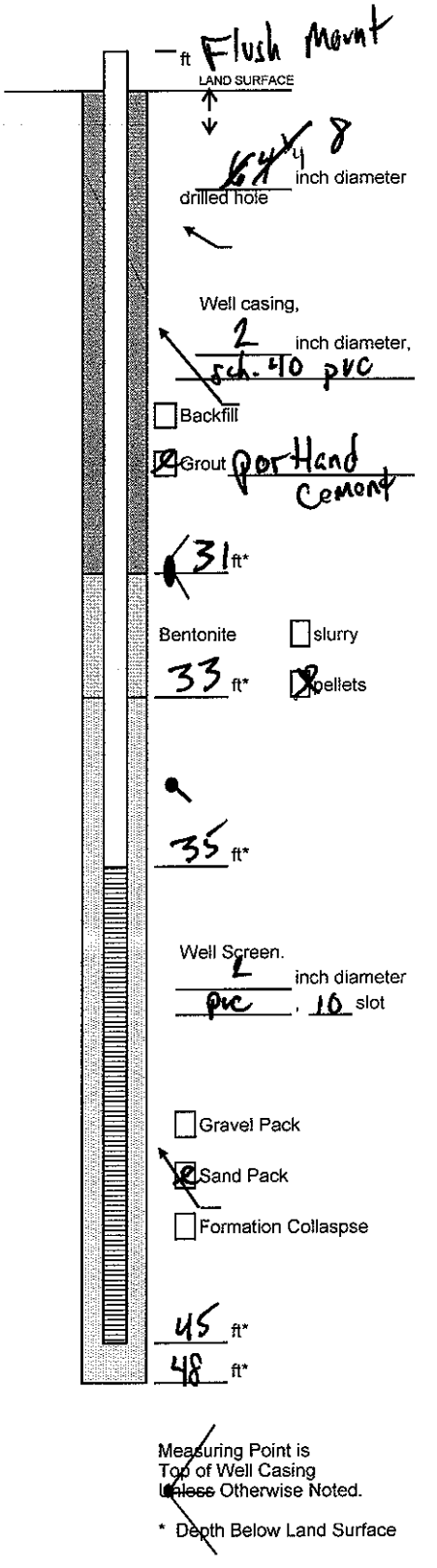
Well Purpose Monitor Well

Remarks

Prepared by Jared Fine

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WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well H15-MW-14C

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/3/11

Drilling Method HSA

Drilling Contractor GeoLab

Drilling Fluid —

Development Technique(s) and Date(s)

Waterra Pump and Surge Block

Fluid Loss During Drilling NA gallons

Water Removed During Development 65 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 2.5 hours

Yield NM gpm Date 8/10/11

Specific Capacity NM gpm/ft

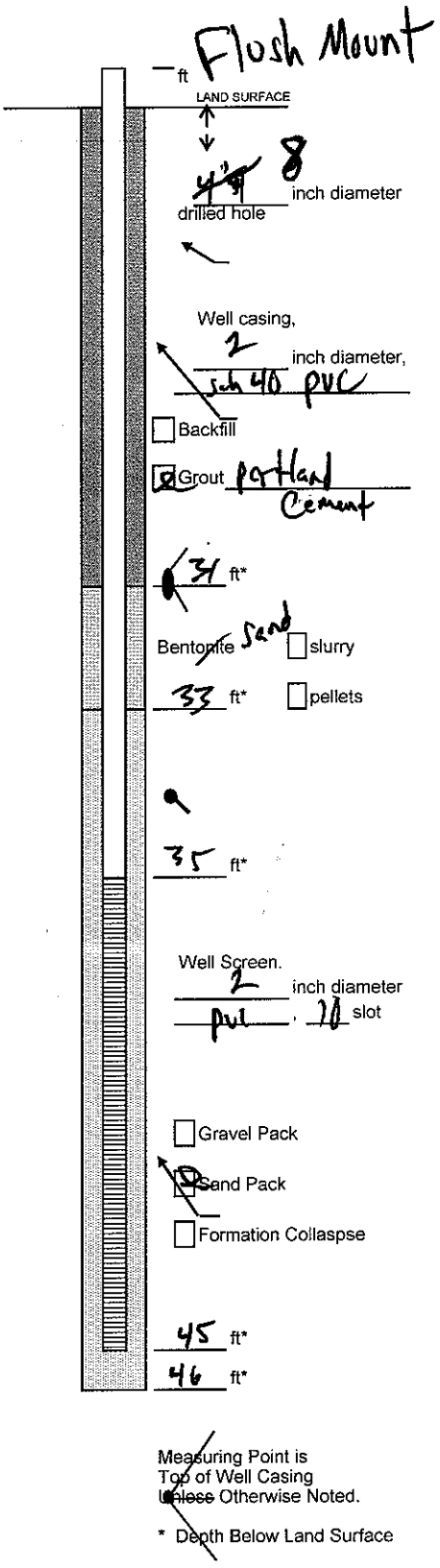
Well Purpose Monitor Well

Remarks

Prepared by Jared Fino

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well H15-MW-15C

Town/City Hunter Army Air Field

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/8/11

Drilling Method HSA

Drilling Contractor GeoLab

Drilling Fluid NA

Development Technique(s) and Date(s)

Waterra Pump and Surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1.25 hours

Yield NM gpm Date 8/11/11

Specific Capacity NM gpm/ft

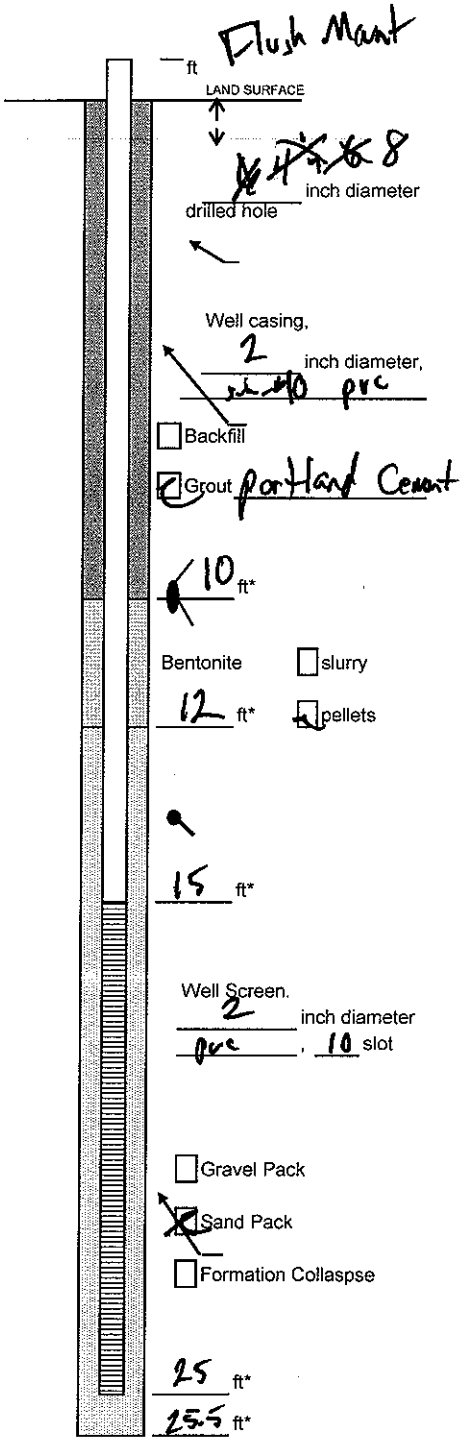
Well Purpose Monitor Well

Remarks

Prepared by Jared Fin

ARCADIS

WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well H15-MW-1413

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. /

Land-Surface Elevation and Datum:

/ feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/3/11

Drilling Method HSA

Drilling Contractor Geolab

Drilling Fluid /

Development Technique(s) and Date(s)

Waterra pump + surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1 hours

Yield NM gpm Date 8/10/11

Specific Capacity NM gpm/ft

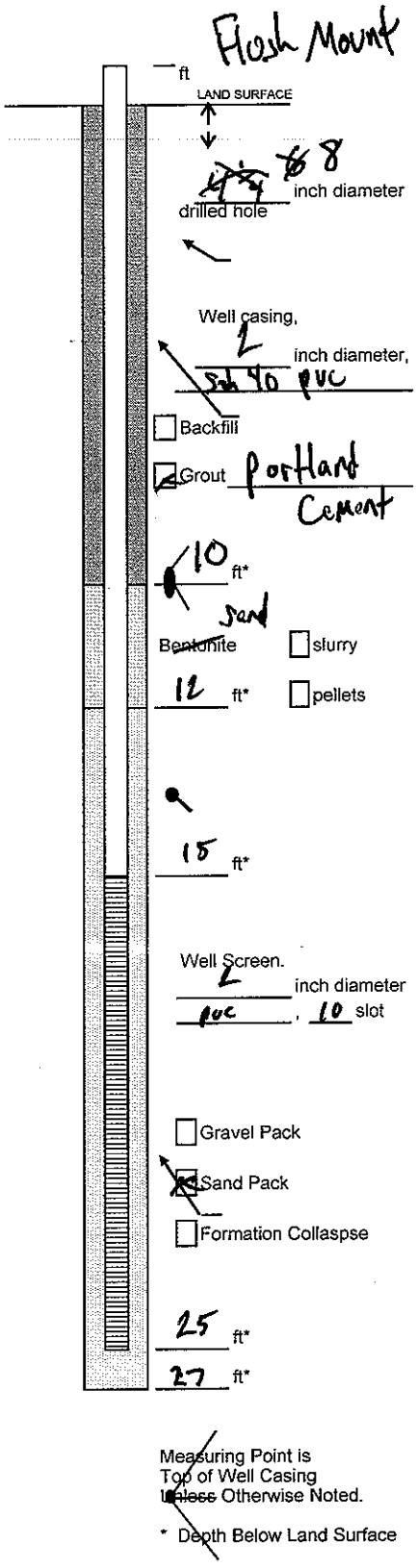
Well Purpose Monitor Well

Remarks

Prepared by Jared Fino

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WELL CONSTRUCTION LOG- UNCONSOLIDATED



Project HAA-15 Well H15-MW-15B

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. /

Land-Surface Elevation and Datum:

/ feet ☐ Surveyed ☐ Estimated

Installation Date(s) 8/8/11

Drilling Method HSA

Drilling Contractor GeoLab

Drilling Fluid

Development Technique(s) and Date(s)

Waterra pump + Surge block

Fluid Loss During Drilling NA gallons

Water Removed During Development 55 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1 hours

Yield NM gpm Date 8/10/11

Specific Capacity NM gpm/ft

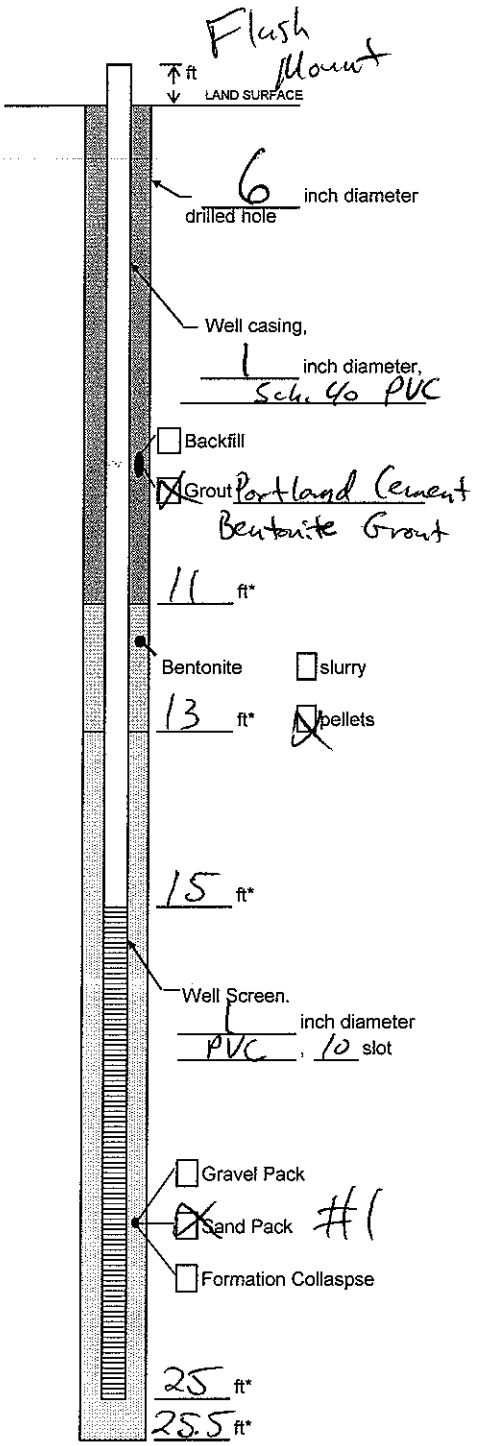
Well Purpose Monitor Well

Remarks

Prepared by Jared Fino

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WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is Top of Well Casing Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-16B

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 7-25-2011

Drilling Method HSA

Drilling Contractor Parratt Wolff

Drilling Fluid N/A

Development Technique(s) and Date(s)

Peristaltic pump and surged tubing

Fluid Loss During Drilling NA gallons

Water Removed During Development 4.5 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1.25 hours

Yield NM gpm Date 8/9/10

Specific Capacity NM gpm/ft

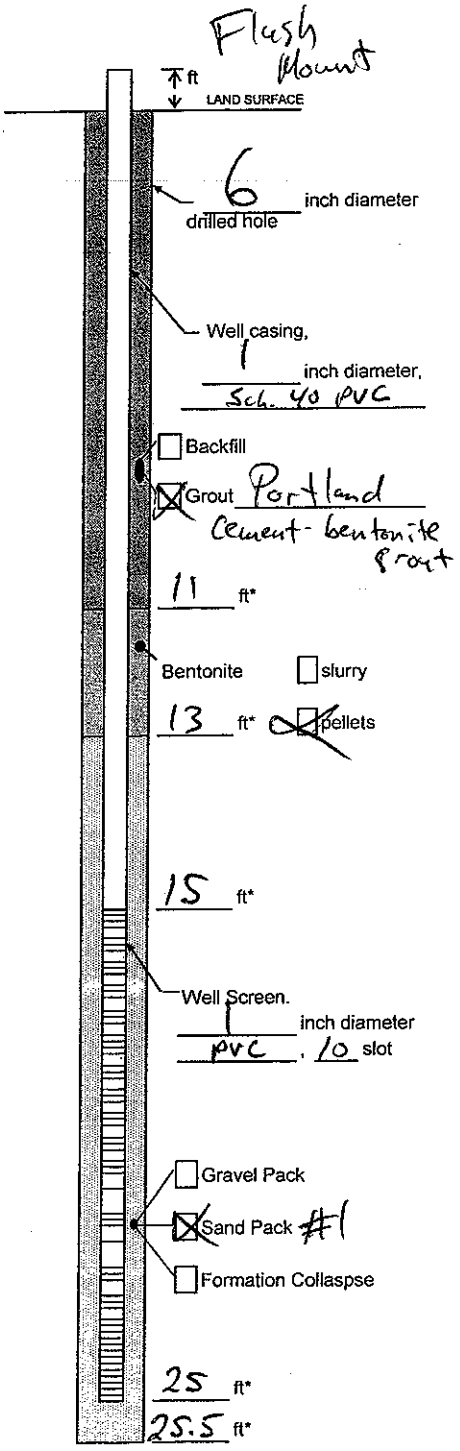
Well Purpose Monitoring Well

Remarks

Prepared by Josh Frizzell

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WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-17B

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 7-24-2011

Drilling Method HSA

Drilling Contractor Parratt Wolff

Drilling Fluid None

Development Technique(s) and Date(s)

Peristaltic pump & surged tubing

Fluid Loss During Drilling N/A gallons

Water Removed During Development 8.5 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1.1 hours

Yield NM gpm Date 8/10/11

Specific Capacity NM gpm/ft

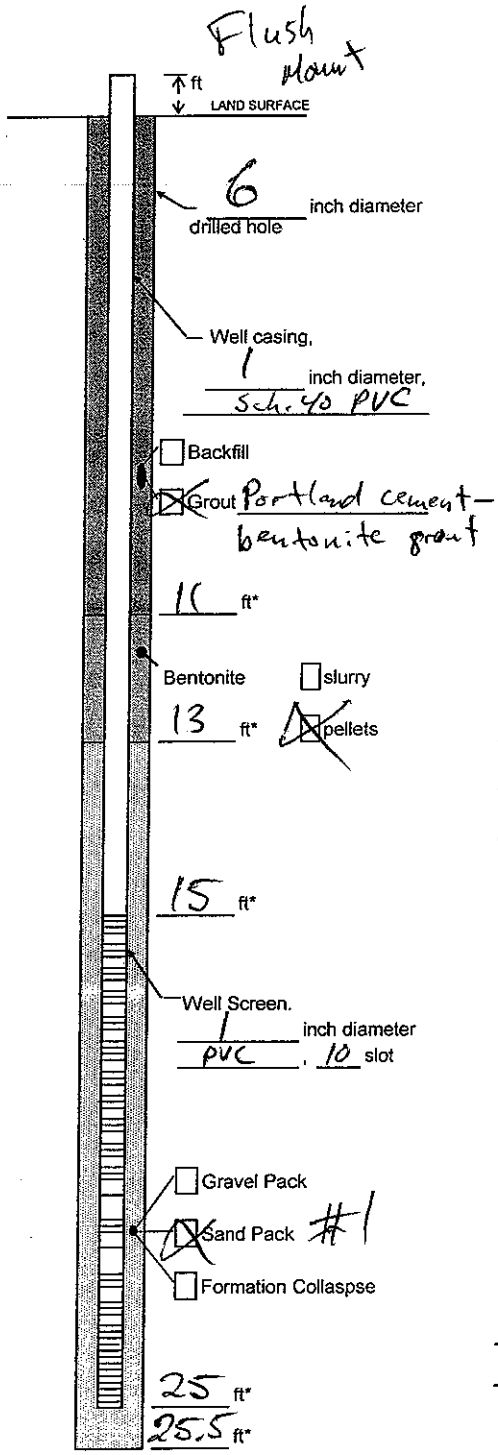
Well Purpose Monitoring Well

Remarks

Prepared by Josh Frizzell

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WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-18B

Town/City Hunter Army Airfield

County Chatham State GA

Permit No. —

Land-Surface Elevation and Datum:

— feet ☐ Surveyed ☐ Estimated

Installation Date(s) 7-24-2011

Drilling Method HSA

Drilling Contractor Parratt Wolff

Drilling Fluid None

Development Technique(s) and Date(s)

Peristaltic pump and surged tubing

Fluid Loss During Drilling N/A gallons

Water Removed During Development 12 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 1.2 hours

Yield NM gpm Date 8/10/11

Specific Capacity NM gpm/ft

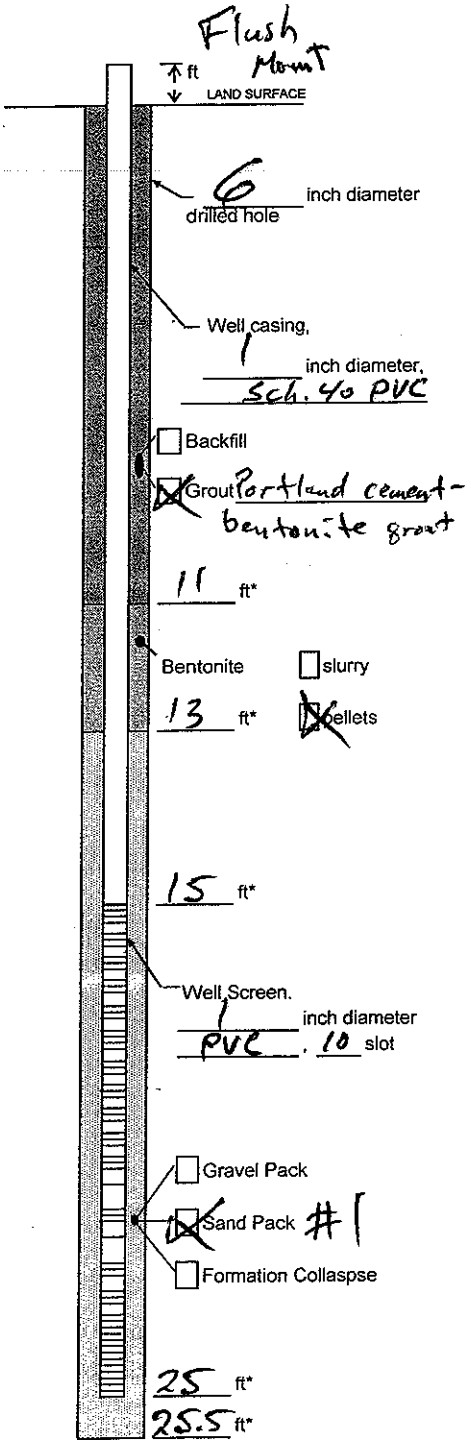
Well Purpose Monitoring Well

Remarks

Prepared by Josh Frizzell

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WELL CONSTRUCTION LOG- UNCONSOLIDATED



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project HAA-15 Well H15-MW-19B

Town/City Hunter Army Airfield

County Chatham State GA

Permit No.

Land-Surface Elevation and Datum:

feet ☐ Surveyed ☐ Estimated

Installation Date(s) 7-25-2011

Drilling Method HSA

Drilling Contractor Parratt Wolff

Drilling Fluid None

Development Technique(s) and Date(s)

Peristaltic Pump and Surged Tubing

Fluid Loss During Drilling N/A gallons

Water Removed During Development 6.5 gallons

Static Depth to Water NM feet below M.P.

Pumping Depth to Water NM feet below M.P.

Pumping Duration 2 hours

Yield NM gpm Date 8/9/11

Specific Capacity NM gpm/ft

Well Purpose Monitoring Well

Remarks

Prepared by Josh Frizzell

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1874 Forge Street Tucker, GA 30084
Phone: 770-938-8233
Fax: 770-923-8973
Web: www.test-llc.com

Tested By	RI
Date	12/07/09
Checked By	

Client Pr. #	GP08HAFS.H15B.DGOF1	Lab. PR. #	928-02-1
Pr. Name	HAA-15	S. Type	Bag
Sample ID	8468/H15-SB47(120409)-(33-40)	Depth/Elev.	-
Location	HAA-15	Add. Info	-

ASTM D 422/AASHTO T 88
Standard Test Method for Particle-Size Analysis of Soils (with Hydrometer Analysis)

As-Received Moisture Content

Mass of Wet Sample & Tare, g	451.23
Mass of Dry Sample & Tare, g	373.75
Mass of Tare, g	100.91
Moisture Content, %	28.4

Moisture Content of Material Used for Hydrometer Analysis

Mass of Wet Sample & Tare, g	330.19
Mass of Dry Sample & Tare, g	318.01
Mass of Tare, g	59.46
Moisture Content, %	4.7

Mass of Total Sample before separation on #4 sieve & Tare, g	719.80
Mass of Tare, g	0.00
Total Mass of Dry Sample, g	687.42

Mass of Sample used for hydrometer analysis, g	107.81
Dry Mass, g	102.96
% of Total Sample passing #4 sieve	100.0

SIEVE ANALYSIS

PORTION OF SAMPLE RETAINED ON #4 SIEVE

Mass of Tare, g: 0.00

Sieve Size		Sample & Tare, g	% RETAINED	%PASSING
12"	COBBLES		0.0	100.0
3"			0.0	100.0
2.5"	COARSE		0.0	100.0
2"	GRAVEL		0.0	100.0
1.5"			0.0	100.0
1"			0.0	100.0
.75"			0.0	100.0
.5"	FINE GRAVEL		0.0	100.0
.375"			0.0	100.0
#4	COARSE SAND	0.00	0.0	100.0

PORTION OF SAMPLE PASSING #4 SIEVE (Hydrometer Backsieve)

Sieve Size		Cumulative Mass retained, g	% PASSING
#10	MEDIUM	0.00	100.0
#20	SAND	0.02	100.0
#40		0.39	99.6
#60	FINE SAND	2.43	97.6
#100		45.56	55.7
#200	FINES	92.53	10.1

Remarks

HYDROMETER ANALYSIS

Length of Dispersion Period	1 Minute
Mechanical Dispersion Device ID #	61
Amount of Dispersing Agent (ml)	125.0
Specific Gravity (assumed)	2.700
Specific Gravity (tested)	
Starting time	10:47

PARTICLE-SIZE ANALYSIS

% COBBLES	0.0	% MEDIUM SAND	0.4
% COARSE GRAVEL	0.0	% FINE SAND	89.5
% FINE GRAVEL	0.0	% FINES	10.1
% COARSE SAND	0.0	% TOTAL SAMPLE	100.0
% CLAY(<0.005mm)	7.2	% CLAY(<0.002mm)	5.7

Date	Time	Testing time (min)	Reading	Temp (°C)	K	Composite Correction	Actual Reading	Effective Depth (cm)	a	Particle Diam. (mm)	Percent Passing
12/08/09	10:49	2	16.5	17.8	0.01378	7.0	9.5	14.8	0.99	0.0375	9.1
12/08/09	10:52	5	16.0	17.8	0.01378	7.0	9.0	14.9	0.99	0.0238	8.7
12/08/09	11:02	15	15.5	17.8	0.01378	7.0	8.5	15.0	0.99	0.0138	8.2
12/08/09	11:17	30	15.5	17.8	0.01378	7.0	8.5	15.0	0.99	0.0097	8.2
12/08/09	11:47	60	15.0	17.8	0.01378	7.0	8.0	15.1	0.99	0.0069	7.7
12/08/09	14:57	250	14.0	17.8	0.01378	7.0	7.0	15.2	0.99	0.0034	6.7
12/09/09	10:47	1440	12.5	17.8	0.01378	7.0	5.5	15.5	0.99	0.0014	5.3

Hydrometer 152H ID #	451190	Oven ID #	12/13/14/15
Sieve Shaker ID #	54/130	Balance ID#	1/6/7

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1874 Forge Street Tucker, GA 30084
Phone: 770-938-8233
Fax: 770-923-8973
Web: www.test-llc.com

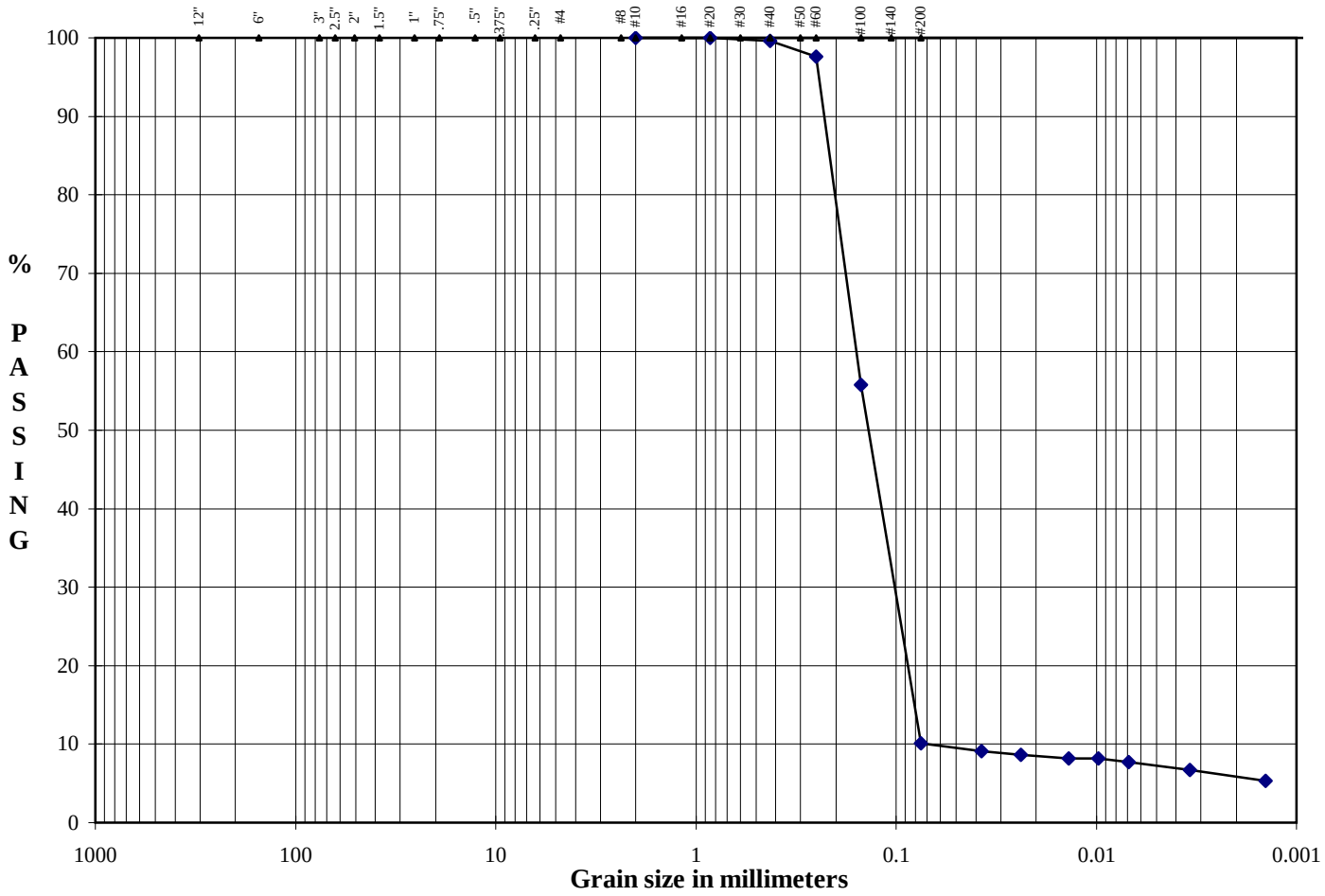
Tested By	RI
Date	12/07/09
Checked By	

Client Pr. #	GP08HAFS.H15B.DGOF1	Lab. PR. #	928-02-1
Pr. Name	HAA-15	S. Type	Bag
Sample ID	8468/H15-SB47(120409)-(33-40)	Depth/Elev.	-
Location	HAA-15	Add. Info	-

ASTM D 422/AASHTO T 88

Standard Test Method for Particle-Size Analysis of Soils (with Hydrometer Analysis)

Particle-Size Analysis



Boulders	Cobbles	Gravel: Coarse	Gravel: Fine	Sand: Coarse	Sand: Medium	Sand: Fine	Fines: Silt or Clay

D_{10}	NA	mm
D_{30}	NA	mm
D_{60}	NA	mm
Cu	NA	
Cc	NA	

DESCRIPTION: NA

USCS (ASTM D2487; D2488): NA

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Tested By	RI
Date	12/07/09
Checked By	LB

Client Pr. #	GP08HAFS.H15B.DGOF1	Lab. PR. #	928-02-1
Pr. Name	HAA-15	S. Type	Bag
Sample ID	8467/H15-SB12(120309)-(38-45)	Depth/Elev.	-
Location	HAA-15	Add. Info	-

ASTM D 422/AASHTO T 88
Standard Test Method for Particle-Size Analysis of Soils (with Hydrometer Analysis)

As-Received Moisture Content

Mass of Wet Sample & Tare, g	472.49
Mass of Dry Sample & Tare, g	393.55
Mass of Tare, g	108.45
Moisture Content, %	27.7

Moisture Content of Material Used for Hydrometer Analysis

Mass of Wet Sample & Tare, g	364.41
Mass of Dry Sample & Tare, g	329.78
Mass of Tare, g	59.70
Moisture Content, %	12.8

Mass of Total Sample before separation on #4 sieve & Tare, g	1117.50
Mass of Tare, g	0.00
Total Mass of Dry Sample, g	990.50

Mass of Sample used for hydrometer analysis, g	112.37
Dry Mass, g	99.60
% of Total Sample passing #4 sieve	100.0

SIEVE ANALYSIS

PORTION OF SAMPLE RETAINED ON #4 SIEVE

Mass of Tare, g: 0.00

Sieve Size		Sample & Tare, g	% RETAINED	%PASSING
12"	COBBLES		0.0	100.0
3"			0.0	100.0
2.5"	COARSE		0.0	100.0
2"	GRAVEL		0.0	100.0
1.5"			0.0	100.0
1"			0.0	100.0
.75"			0.0	100.0
.5"	FINE GRAVEL		0.0	100.0
.375"			0.0	100.0
#4	COARSE SAND	0.00	0.0	100.0

PORTION OF SAMPLE PASSING #4 SIEVE (Hydrometer Backsieve)

Sieve Size		Cumulative Mass retained, g	% PASSING
#10	MEDIUM	0.00	100.0
#20	SAND	0.03	100.0
#40		0.36	99.6
#60	FINE SAND	1.05	98.9
#100		24.65	75.3
#200	FINES	87.04	12.6

Remarks

HYDROMETER ANALYSIS

Length of Dispersion Period	1 Minute
Mechanical Dispersion Device ID #	61
Amount of Dispersing Agent (ml)	125.0
Specific Gravity (assumed)	2.700
Specific Gravity (tested)	
Starting time	10:45

PARTICLE-SIZE ANALYSIS

% COBBLES	0.0	% MEDIUM SAND	0.4
% COARSE GRAVEL	0.0	% FINE SAND	87.0
% FINE GRAVEL	0.0	% FINES	12.6
% COARSE SAND	0.0	% TOTAL SAMPLE	100.0
% CLAY(<0.005mm)	7.9	% CLAY(<0.002mm)	6.8

Date	Time	Testing time (min)	Reading	Temp (°C)	K	Composite Correction	Actual Reading	Effective Depth (cm)	a	Particle Diam. (mm)	Percent Passing
12/08/09	10:47	2	18.0	17.8	0.01378	7.0	11.0	14.6	0.99	0.0372	10.9
12/08/09	10:50	5	17.5	17.8	0.01378	7.0	10.5	14.6	0.99	0.0236	10.4
12/08/09	11:00	15	17.0	17.8	0.01378	7.0	10.0	14.7	0.99	0.0137	9.9
12/08/09	11:15	30	16.0	17.8	0.01378	7.0	9.0	14.9	0.99	0.0097	8.9
12/08/09	11:45	60	15.5	17.8	0.01378	7.0	8.5	15.0	0.99	0.0069	8.4
12/08/09	14:55	250	14.5	17.8	0.01378	7.0	7.5	15.1	0.99	0.0034	7.5
12/09/09	10:45	1440	13.5	17.8	0.01378	7.0	6.5	15.3	0.99	0.0014	6.5

Hydrometer 152H ID #	451190	Oven ID #	12/13/14/15
Sieve Shaker ID #	54/130	Balance ID#	1/6/7

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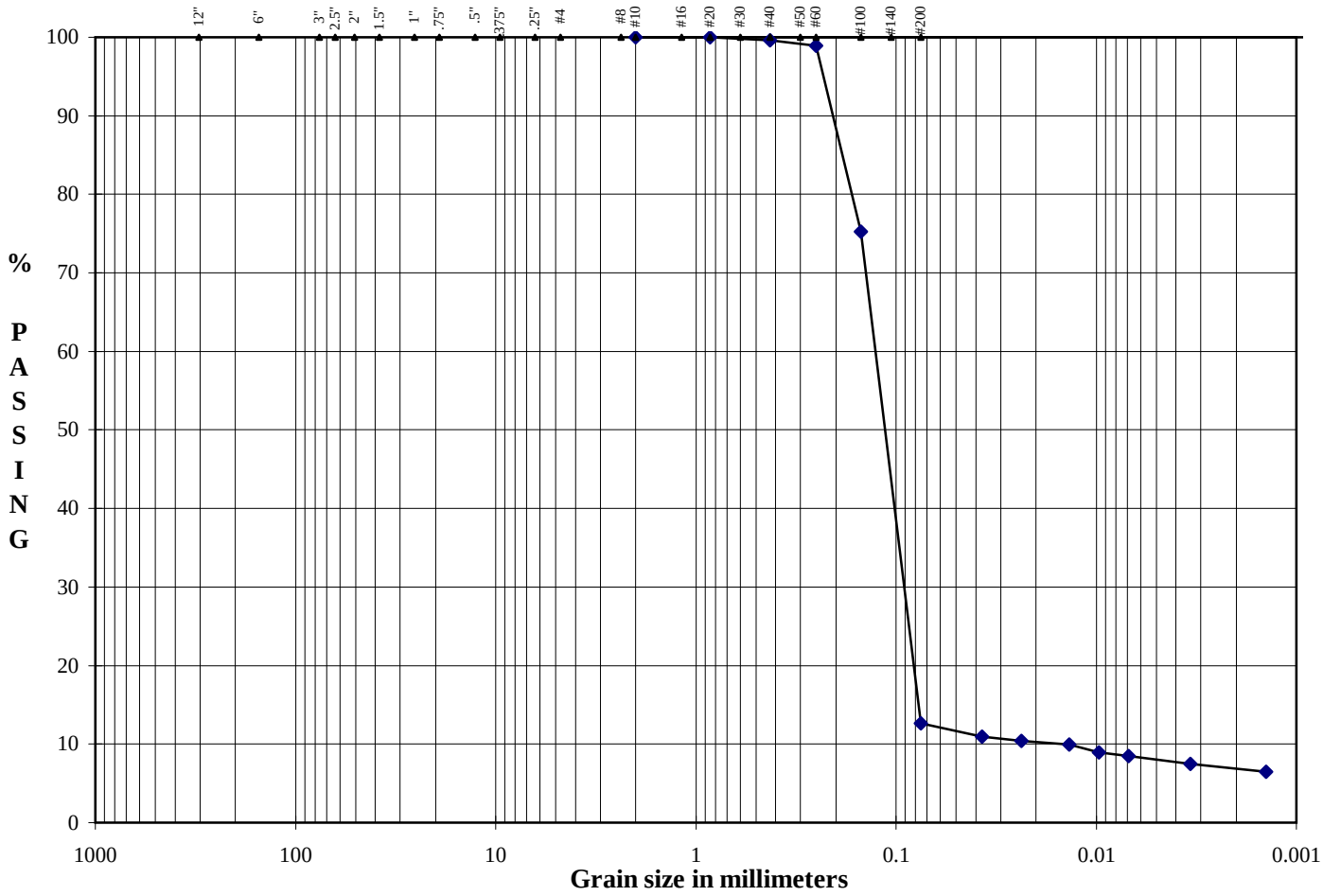
Tested By	RI
Date	12/07/09
Checked By	

Client Pr. #	GP08HAFS.H15B.DGOF1	Lab. PR. #	928-02-1
Pr. Name	HAA-15	S. Type	Bag
Sample ID	8467/H15-SB12(120309)-(38-45)	Depth/Elev.	-
Location	HAA-15	Add. Info	-

ASTM D 422/AASHTO T 88

Standard Test Method for Particle-Size Analysis of Soils (with Hydrometer Analysis)

Particle-Size Analysis



Boulders	Cobbles	Gravel: Coarse	Gravel: Fine	Sand: Coarse	Sand: Medium	Sand: Fine	Fines: Silt or Clay

D_{10}	NA	mm
D_{30}	NA	mm
D_{60}	NA	mm
Cu	NA	
Cc	NA	

DESCRIPTION: NA

USCS (ASTM D2487; D2488): NA

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

RECEIVED
SEP 16 2011
ARCADIS G & M
of North Carolina, Inc.

September 14, 2011
File Number 11-13-0135

Arcadis
801 Corporate Center Drive, Suite 300
Raleigh, NC 27607

Attention: Scott Bostian

Subject: Laboratory Testing Services, Hunter Army Airfield
Fort Stewart, GA, Project #GP08HAFS.H15C.GG0FI

Gentlemen:

As requested, laboratory testing has been completed on the thirteen soil samples provided by your firm. Twelve samples were received on August 22, 2011 and one sample was received on September 2, 2011 as shown on the attached chain of custody forms. The samples were sealed in 1 gallon-size plastic bags and labeled with the designation H15-MW-02E or H15-MW-20E and the depth.

Particle-size distributions were determined in general accordance with ASTM Standard D422 "Particle-Size Analysis of Soils" using sieves consistent with the Udden-Wentworth Grain-Size Classification System. The results are presented on the attached Particle-size Analysis Test Reports. Sample descriptions and group symbols shown on the test reports are in general accordance with ASTM Standard D2487 "Classification of Soils for Engineering Purposes (Unified Soil Classification System)". The percentages of soil within each Udden-Wentworth grain-size range are shown on Table 1.

The test samples were reported to be from the client-specified designations herein. The test results are indicative of only the specimens that were actually tested. The test results presented are based upon accepted industry practice as well as the test method(s) listed. Ardaman & Associates, Inc. neither accepts responsibility for, nor makes claims to the final use and purpose of the test results.

Please contact us if you have any questions about the test results or require additional information.

Very truly yours,
ARDAMAN & ASSOCIATES, INC.

Thomas S. Ingra, P.E.
Laboratory Director
Florida License No. 31987

Arcadis
File Number 11-13-0135
September 14, 2011

Table 1
Udden-Wentworth Grain-Size Classification

Udden-Wentworth Grain-size Classification	Soil Percentage within Grain-Size Range (%, dry mass basis)												
	H15-MW 02E 77'-79'	H15-MW 02E 87'-89'	H15-MW 02E 97'-99'	H15-MW 02E 107'-109'	H15-MW 02E 123'-125'	H15-MW 20E 51'-53'	H15-MW 20E 61'-63'	H15-MW 20E 71'-73'	H15-MW 20E 81'-83'	H15-MW 20E 91'-93'	H15-MW 20E 101'-103'	H15-MW 20E 111'-113'	H15-MW 20E 123'-125'
Pebble	0	0	0.1	0	0	14.3	10.8	0	0	0	0	0	0
Granule	0.1	0	0.3	0	0	16.5	5.7	0.9	0.1	0	0	0	0
Very Coarse Sand	0.3	0	0.1	0.1	0	14.3	0.5	1.3	0.1	0	0.1	0	0.1
Coarse Sand	0.8	0.1	0.3	0.2	0.1	16.3	0.6	1.6	0.3	0.1	0.2	0.2	0.4
Medium Sand	0.8	0.1	0.4	0.2	0.3	11.9	2.0	2.3	0.2	0.1	0.1	0.1	1.0
Fine Sand	25.2	10.0	6.1	4.3	1.3	10.4	54.3	10.9	5.0	9.6	4.2	1.8	4.8
Very Fine Sand	38.6	64.3	62.4	75.0	12.6	3.2	17.9	27.6	51.7	55.7	78.4	16.3	37.5
Silt and Clay	34.2	25.5	30.3	20.2	85.7	13.1	8.2	55.4	42.6	34.5	17.0	81.6	56.2

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name HAA-15

Project Location Hunter Army Airfield

Laboratory Ardaman & Associates

Project Manager Scott Bastian

Sampler(s)/Affiliation Jared Fino

ANALYSIS / METHOD / SIZE

11-13-0135

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Sieve Analysis Ulbem-Wentworth						Remarks	Total
HIS-MW-02E (77-79)	S	8/23/11 1031		1							1
HIS-MW-02E (87-89)	S	8/23/11 1033		1							1
HIS-MW-02E (97-99)	S	8/23/11 1035		1							1
HIS-MW-02E (107-109)	S	8/23/11 1037		1							1
HIS-MW-02E (123-125)	S	8/23/11 1039		1							1
HIS-MW-20E (51-53)	S	8/24/11 1304		1							1
HIS-MW-20E (61-63)	S	8/24/11 1306		1							1
HIS-MW-20E (71-73)	S	8/24/11 1308		1							1
HIS-MW-20E (81-83)	S	8/24/11 1310		1							1
HIS-MW-20E (91-93)	S	8/24/11 1312		1							1
HIS-MW-20E (101-103)	S	8/24/11 1314		1							1
HIS-MW-20E (111-113)	S	8/24/11 1316		1							1

RECEIVED
AUG 22 2011
BY: TSL, GD
11-13-0135

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers 12

					Seal Intact?
Relinquished by: [signature]	Organization: ARCADIS	Date 8/25/11	Time 1730		
Received by: _____	Organization: _____	Date / /	Time _____		(Yes) No N/A
Relinquished by: _____	Organization: _____	Date / /	Time _____		Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____		Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name GP08HAFS.HSC-~~GP0FT~~ 66ϕFI

Project Location ~~Hunter~~ Army Airfield

Laboratory Ardaman & Associates

Project Manager Scott Bostian

Sampler(s)/Affiliation Allison Fong

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: Sieve analysis by Udden-Wentworth						Remarks	Total
HIS-MW-20E (123-125)	S	08/29/11 1700		1 bag							

9/1/2011

RECEIVED
SEP - 2 2011
BY: TSI

11-13-0135

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

					Seal Intact?
Relinquished by: Allison Fong	Organization: ARCADIS	Date 09/01/2011	Time 1800		
Received by: _____	Organization: _____	Date / /	Time _____		Yes No N/A
Relinquished by: _____	Organization: _____	Date / /	Time _____		Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____		Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

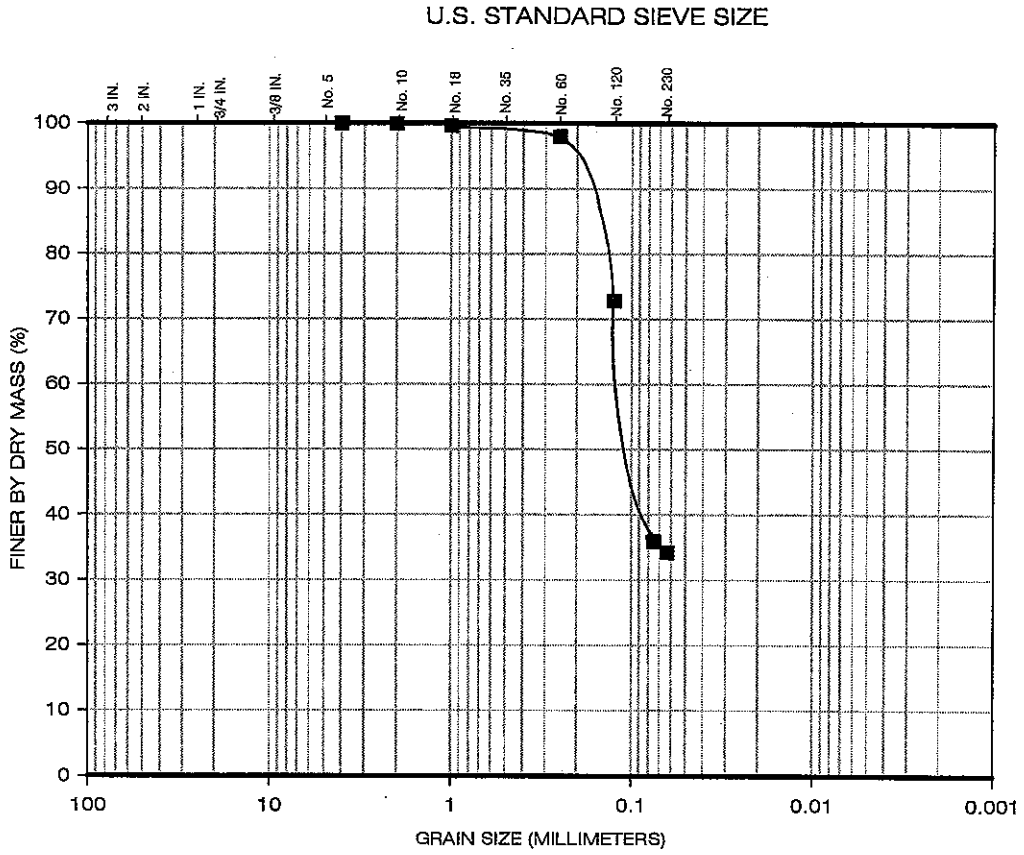
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-02E**
BORING - SAMPLE -
DEPTH **77.0-79.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/0277
SAMPLE DESCRIPTION: Gray clayey sand, SC

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 37.8 Mass Dry Solids (grams): 141.46



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	99.9	99.6	98.8	98.0	72.8	35.9	34.2

The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Checked By: TM Date: 09/14/11

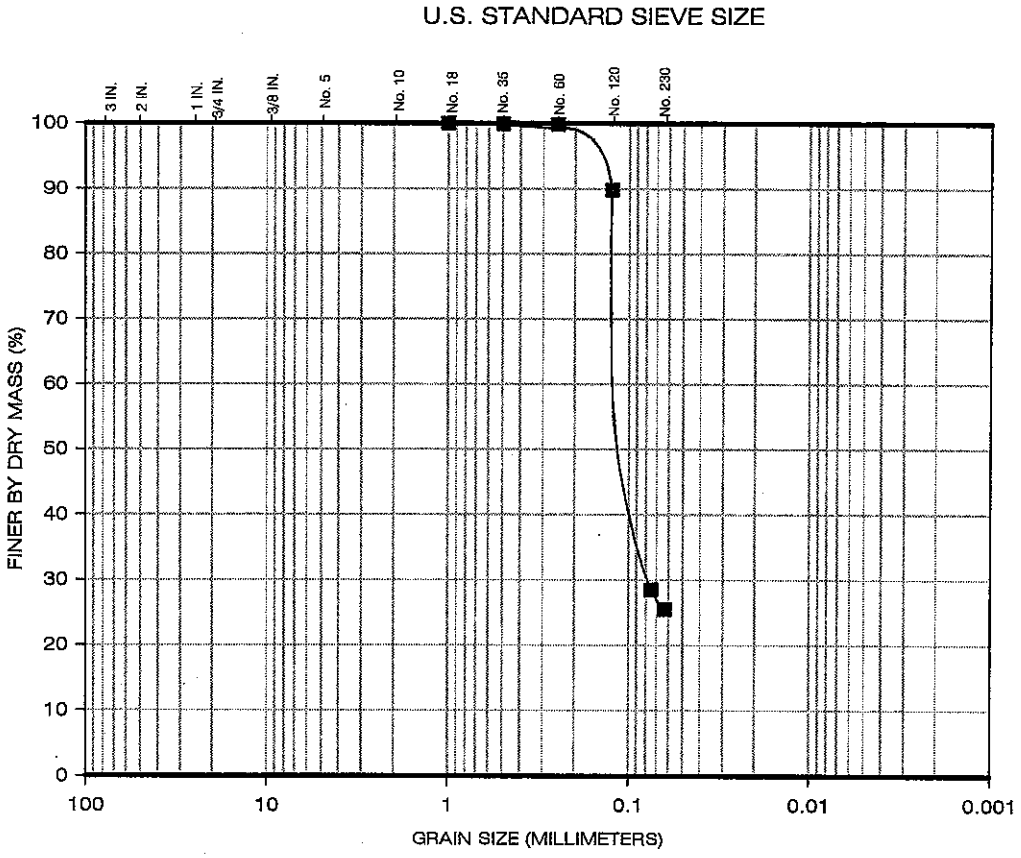
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-02E**
BORING - SAMPLE -
DEPTH **87.0-89.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/0287
SAMPLE DESCRIPTION: Gray silty sand, SM

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 37.9 Mass Dry Solids (grams): 129.27



Soil Passing U.S. Standard Sieve (% dry mass basis)												
2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	100	99.9	99.8	89.8	28.5	25.5

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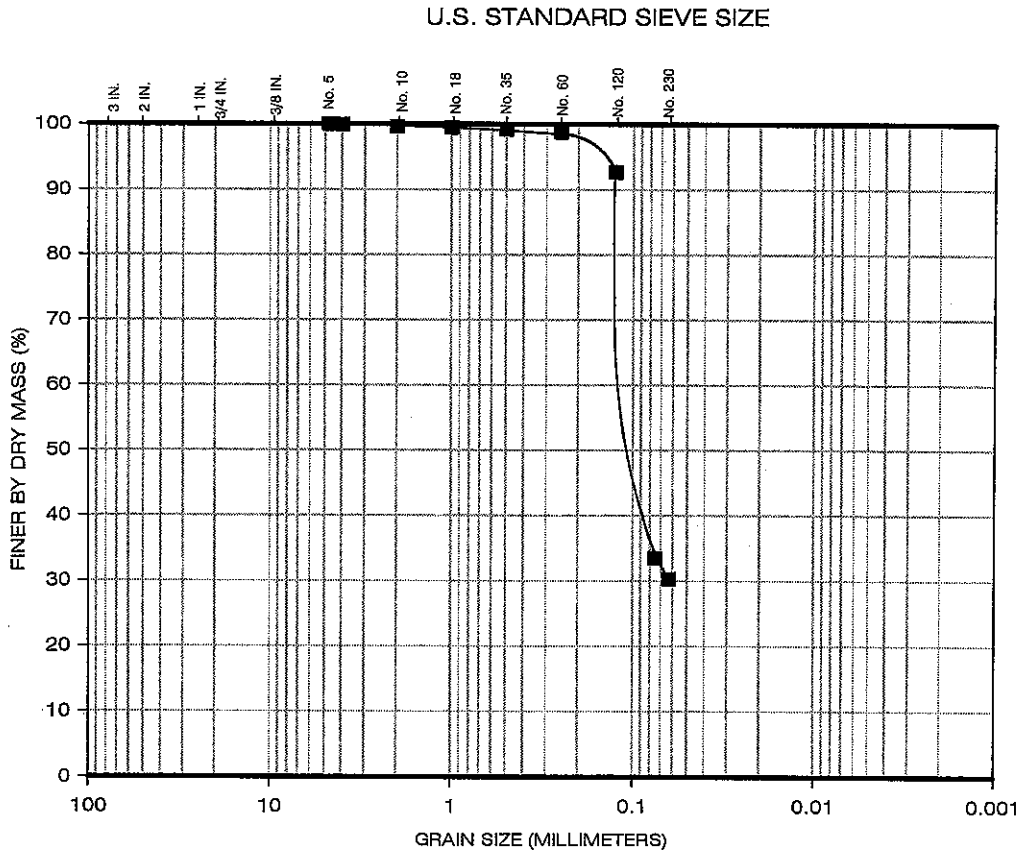
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-02E**
BORING - SAMPLE -
DEPTH **97.0-99.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/0297
SAMPLE DESCRIPTION: Gray silty sand, SM

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 42.4 Mass Dry Solids (grams): 122.21



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	99.9	99.6	99.5	99.2	98.8	92.7	33.5	30.3

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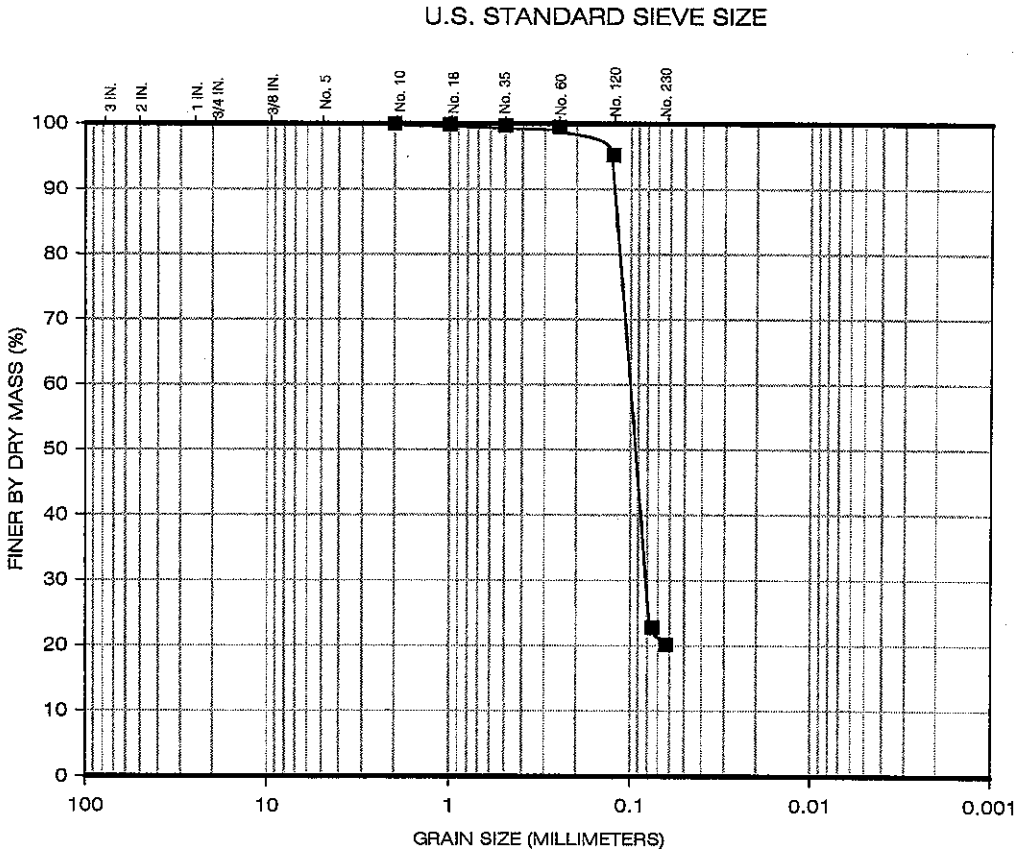
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-02E**
BORING - SAMPLE -
DEPTH **107.0-109.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/02107
SAMPLE DESCRIPTION: Gray silty sand, SM

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 48.7 Mass Dry Solids (grams): 117.29



Soil Passing U.S. Standard Sieve (% dry mass basis)												
2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	99.9	99.7	99.5	95.2	22.8	20.2

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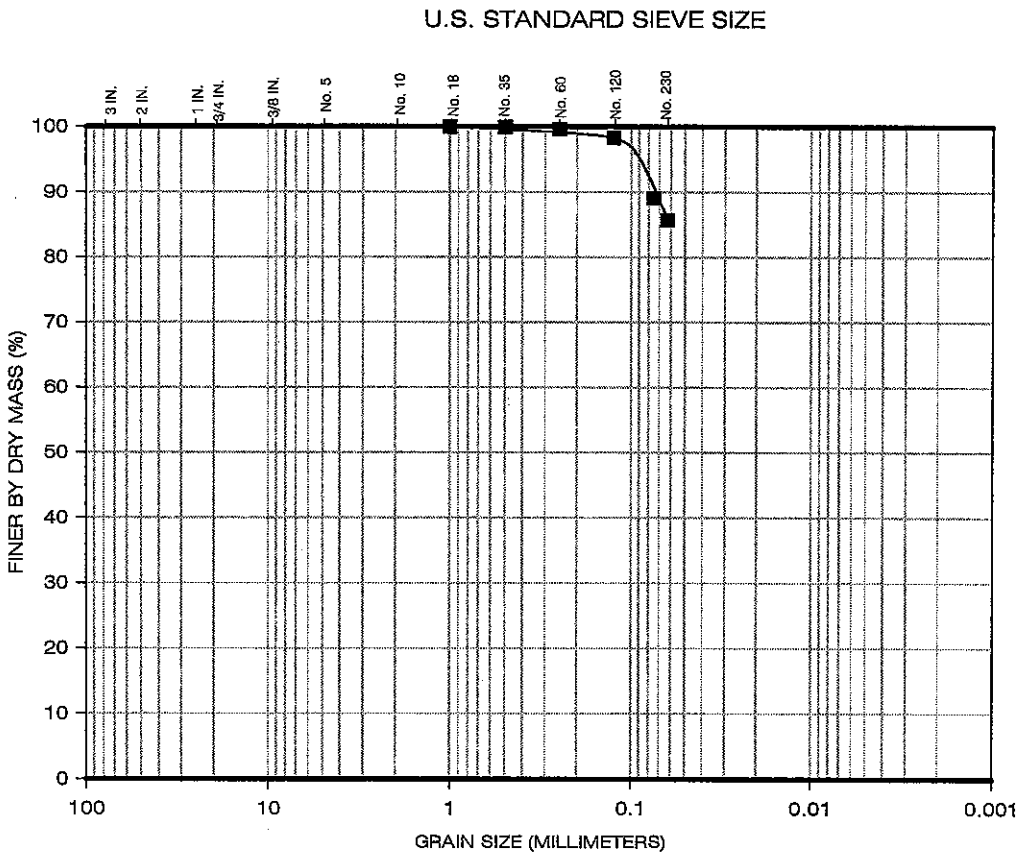
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-02E**
BORING - SAMPLE -
DEPTH **123.0-125.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/02123
SAMPLE DESCRIPTION: Gray clay

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 87.9 Mass Dry Solids (grams): 97.70



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	100	99.9	99.6	98.3	89.1	85.7

The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Checked By: PM Date: 09/14/11

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

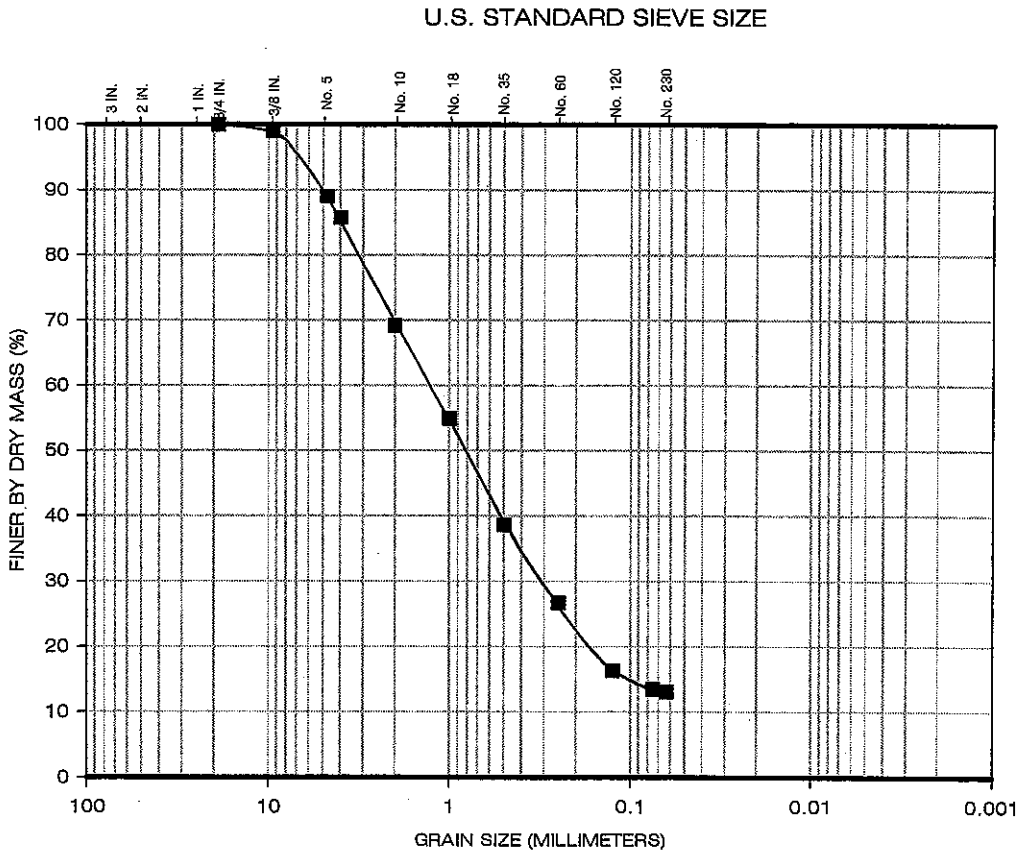
DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **51.0-53.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/2051
SAMPLE DESCRIPTION: Gray clayey sand with pebble and granule-size gravel; SC Note: Sample was less than required mass. Entire sample was used.

TEST PROCEDURES

ASTM Standard D422: ☒ Sieve Analysis ☐ Other: _____

Water Content (%): 22.4
Mass Dry Solids (grams): 416.24



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	99.0	89.0	85.7	69.2	54.9	38.6	26.7	16.3	13.5	13.1

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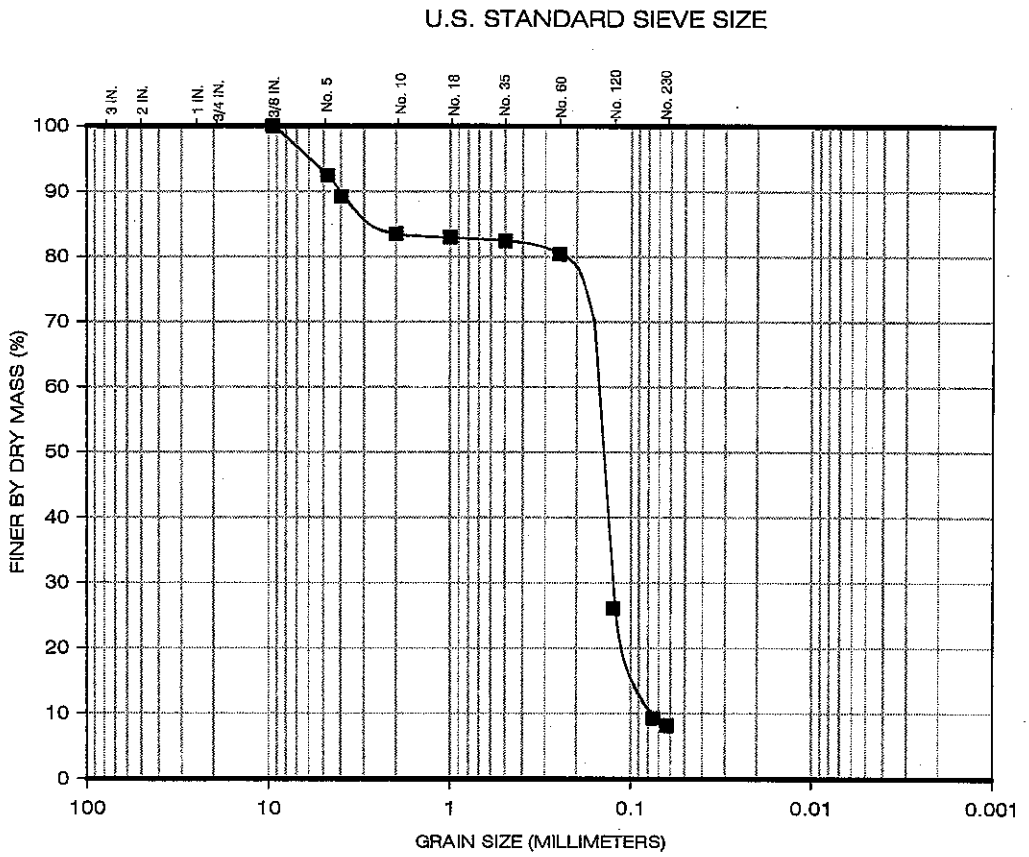
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **61.0-63.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/2061
SAMPLE DESCRIPTION: Gray sand with silt with pebble and granule-size gravel, SP-SM

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other: _____	Water Content (%): 26.7 Mass Dry Solids (grams): 321.57



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	92.4	89.2	83.5	83.0	82.4	80.4	26.1	9.3	8.2

The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

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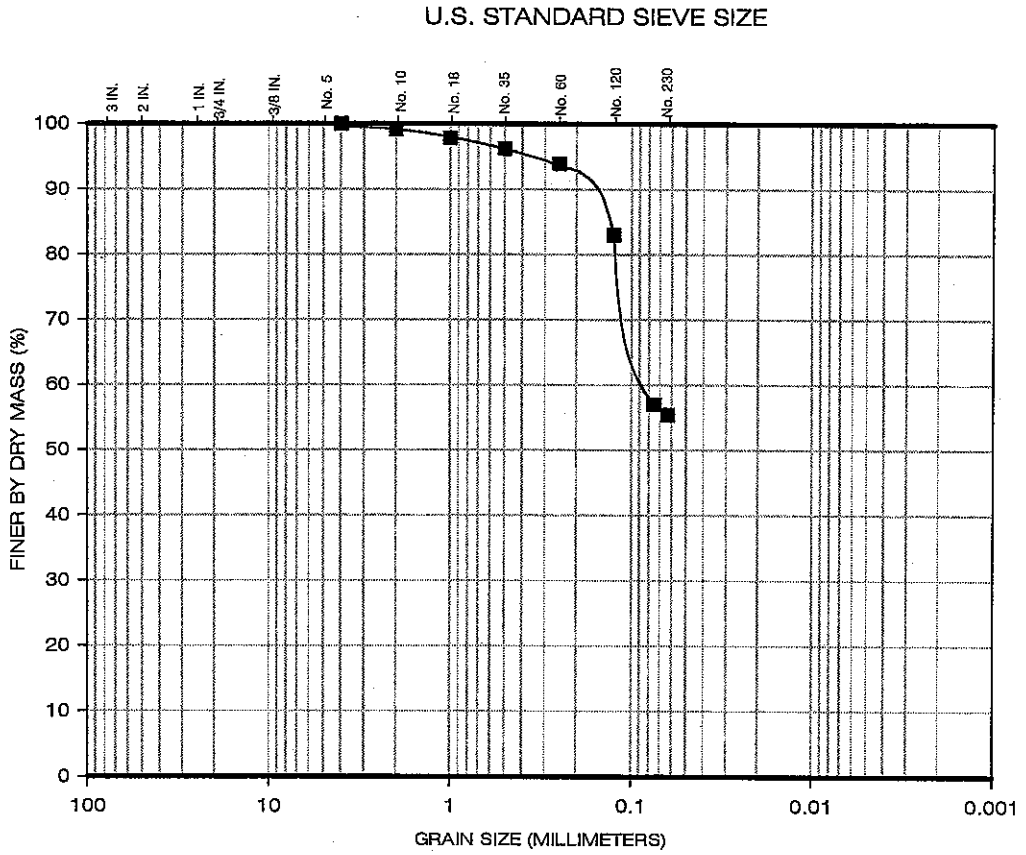
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **71.0-73.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/2071
SAMPLE DESCRIPTION: Gray sandy clay
Note: One piece of +3/8" gravel (1.44 grams) was excluded from test specimen

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 83.1 Mass Dry Solids (grams): 93.16



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	99.1	97.8	96.2	93.9	83.0	57.0	55.4

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Checked By: TM Date: 09/14/11

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

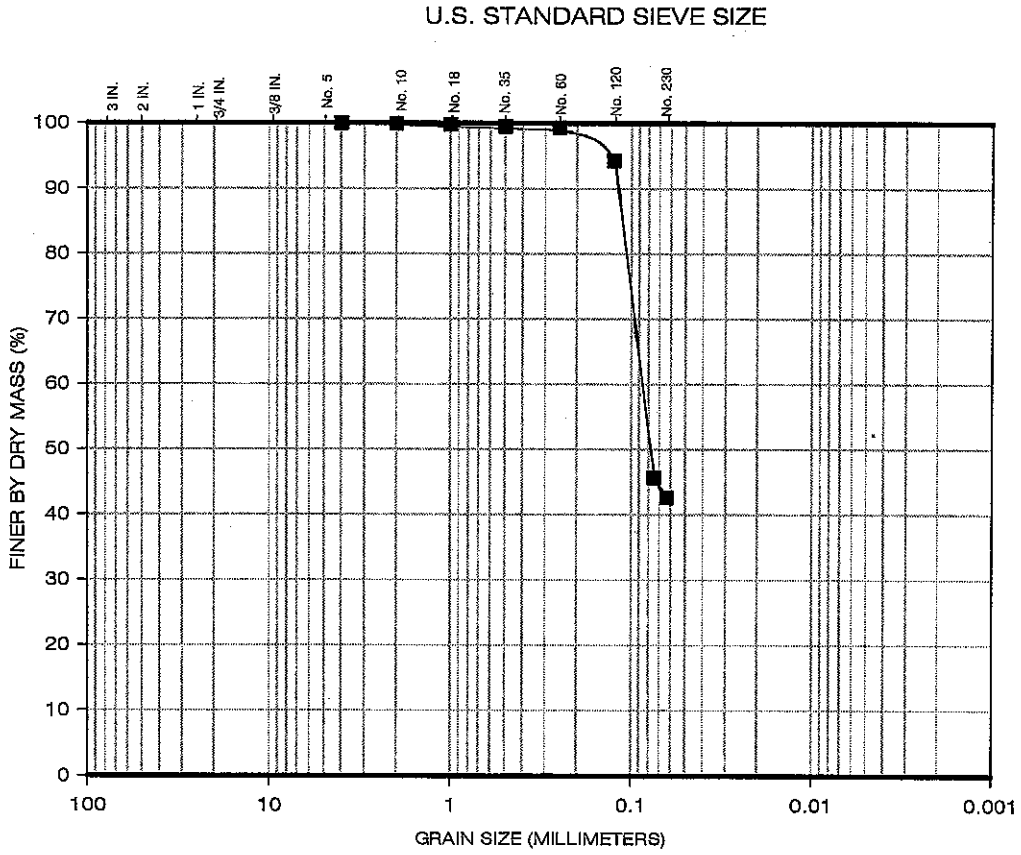
DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **81.0-83.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/2081
SAMPLE DESCRIPTION: Gray silty sand, SM

TEST PROCEDURES

ASTM Standard D422: ☒ Sieve Analysis ☐ Other:

Water Content (%): 32.7
Mass Dry Solids (grams): 134.36



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	99.9	99.8	99.5	99.3	94.3	45.7	42.6

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Checked By: TM Date: 09/14/11

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

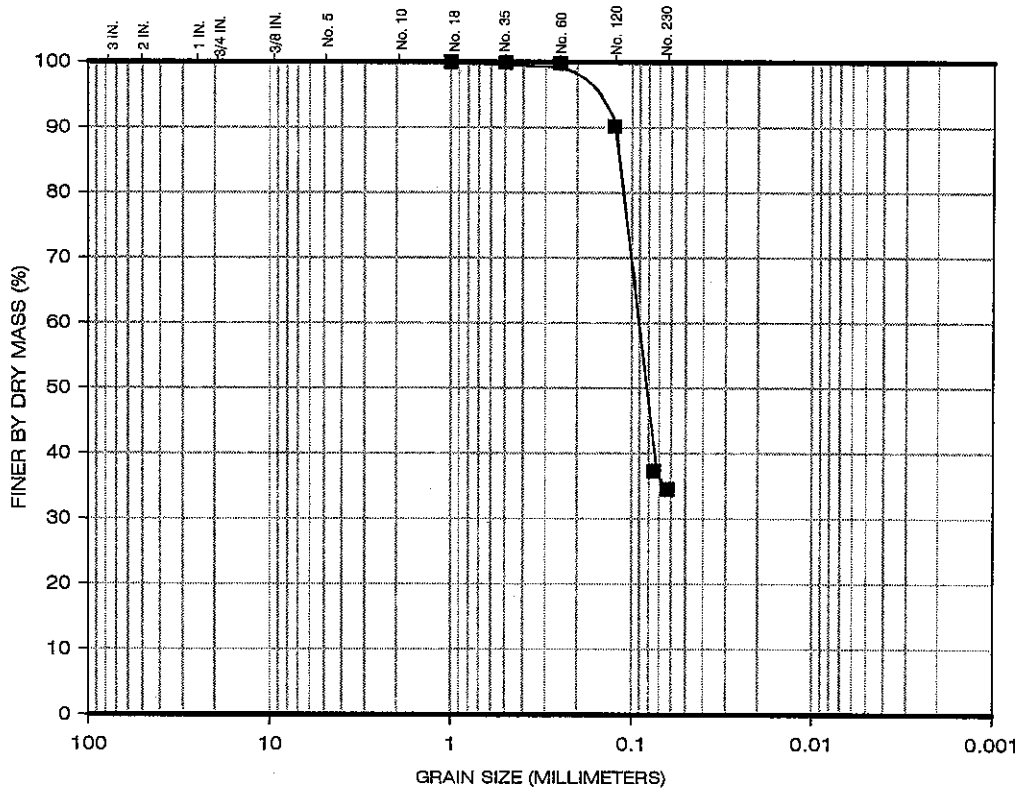
INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **91.0-93.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/2091
SAMPLE DESCRIPTION: Gray clayey sand, SC

TEST PROCEDURES

ASTM Standard D422: ☒ Sieve Analysis ☐ Other:

Water Content (%): 43.1
Mass Dry Solids (grams): 128.78

U.S. STANDARD SIEVE SIZE



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	100	99.9	99.8	90.2	37.3	34.5

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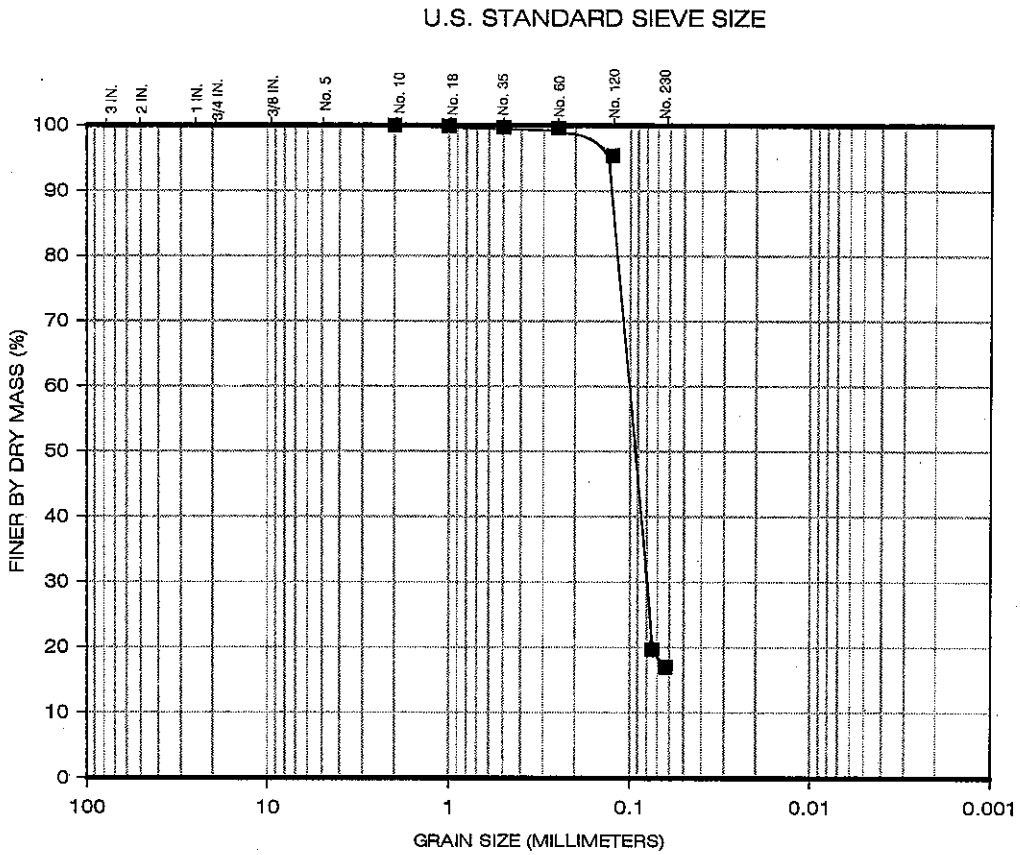
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 08/22/11
DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE: -
DEPTH **101.0-103.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/20101
SAMPLE DESCRIPTION: Gray silty sand, SM

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other:	Water Content (%): 41.7 Mass Dry Solids (grams): 132.55



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	99.9	99.7	99.6	95.4	19.7	17.0

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Checked By: JM Date: 09/14/11

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

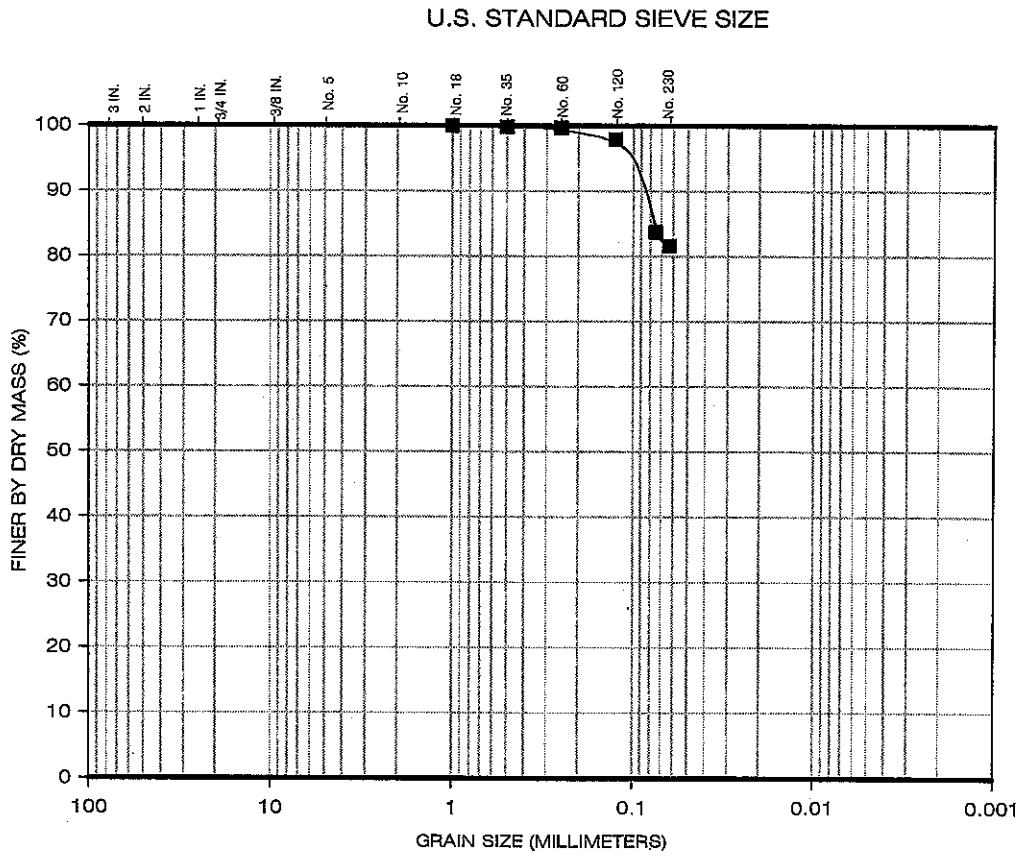
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DATE TEST SET-UP: 08/30/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **111.0-113.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/20111
SAMPLE DESCRIPTION: Gray clay with sand

TEST PROCEDURES

ASTM Standard D422: ☒ Sieve Analysis ☐ Other:

Water Content (%): 77.7
Mass Dry Solids (grams): 100.18



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	100	99.8	99.7	97.9	83.7	81.6

The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Checked By: TM Date: 09/14/11

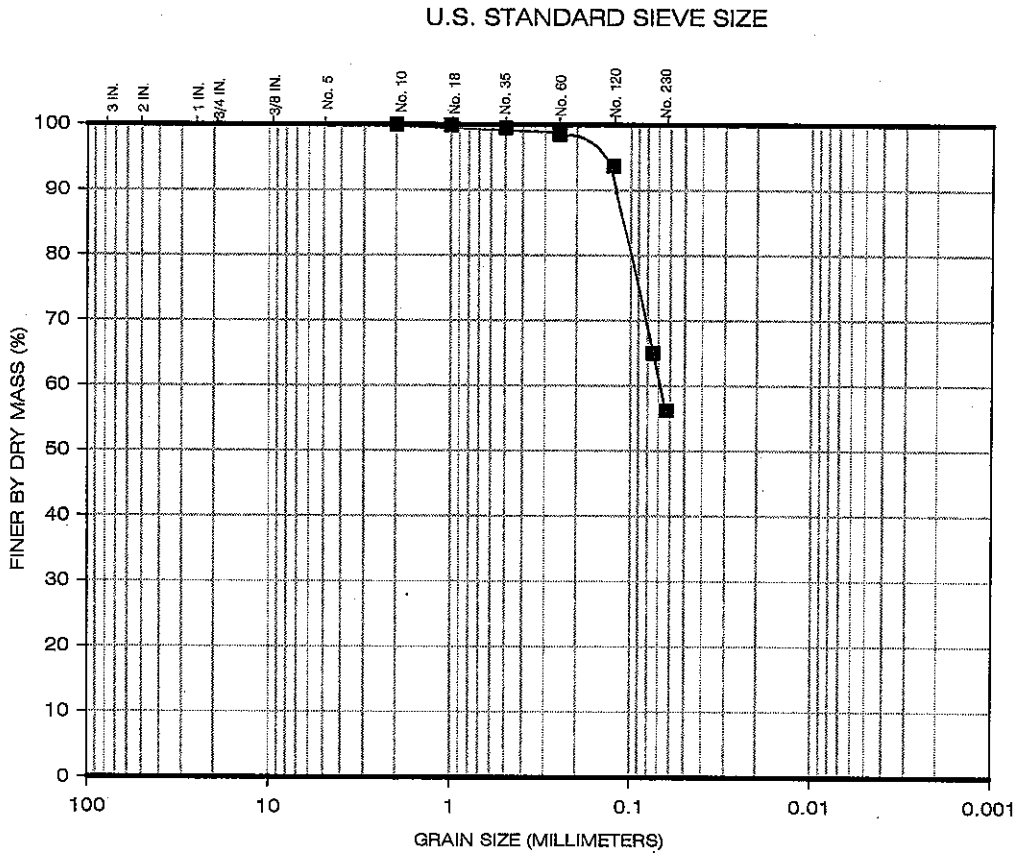
ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
PARTICLE-SIZE ANALYSIS TEST REPORT

CLIENT: Arcadis
PROJECT: Hunter Army Airfield
FILE NO.: 11-13-0135

DATE SAMPLE RECEIVED: 09/02/11
DATE TEST SET-UP: 09/02/11
DATE REPORTED: 09/14/11

INCOMING SAMPLE NO.: **H15-MW-20E**
BORING - SAMPLE -
DEPTH **123.0-125.0** ☒ft; ☐ m
LABORATORY IDENTIFICATION 11135/20123
SAMPLE DESCRIPTION: Greenish-gray sandy clay

TEST PROCEDURES	
ASTM Standard D422: ☒ Sieve Analysis ☐ Other: _____	Water Content (%): 72.1 Mass Dry Solids (grams): 101.87



Soil Passing U.S. Standard Sieve (% dry mass basis)

2"	1"	3/4"	3/8"	No. 4	No. 5	No. 10	No. 18	No. 35	No. 60	No. 120	No. 200	No. 230
100	100	100	100	100	100	100	99.9	99.5	98.5	93.7	65.0	56.2

The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Checked By: TM Date: 09/14/11

ATTACHMENT E

GROUNDWATER FIELD SAMPLING DATA SHEETS

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-15	Location: MCA Barracks
Sampler(s): J. Skaruf	Project Name: Baseline Groundwater Sampling
Well Depth: 10.97 (from inner)	Project #: OMA009-001-02-02-03 Date: 3/8/06 Time: 1545
DTW (ft): ~~[illegible]~~ DTP Top (ft): —	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : ~~BP~~ Bailer
Condition of Bottom of Well: soft	Type of Pump: ~~Bladder Pump~~ N/A
Screen Interval FTOC(ft): (1.8 - 11.8)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 0.75	~~[illegible]~~ outer: 4.11 inner: 3.92 mostly sunny, southerly wind ~ 60°F, occasional breeze
Placement of Pump Inlet (ft): —	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1625	—	—	.200	7.75	15.43	0.108	175.6	21.0	120	fine, orange material from bottom
1635	—	—	0.400	7.17	15.67	0.096	156.0	27.8	210	color: trace orange
1640	—	—	0.480	6.80	14.88	0.095	146.4	25.4	290	color: trace orange
1650	—	—	0.560	6.14	14.76	0.097	153.4	20.9	250	same color
1700	—	—	0.640	6.06	15.48	0.092	156.0	28.5	60	clear
1707	—	—	0.720	6.06	15.37	0.089	153.3	28.6	70	clear
1710	—	—	0.800	6.01	15.44	0.093	150.5	26.1	70	clear
1720	—	—								collected samples

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes: Pump would not fit into well casing. Well purged and sampled with a ~~A~~ stainless steel bailer.
0.161 gal/well volume
Sample ID: MCA-GWXX-5-0306

Signed/Sampler(s): John A Skaruf

10.97
- 3.92
~~7.05~~

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-17	Location: MCA Barracks
Sampler(s): S. Skaruppa	Project Name: Baseline Groundwater Sampling
Well Depth: 44.5+7	Project #: OMA009-001-02-02-03 Date: 3-9-06 Time: 0910
DTW (ft): 6.23 DTP Top (ft):	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: soft	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (40 - 45)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	Light southeasterly wind ~55°F
Placement of Pump Inlet (ft):	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1002	6.23	0.140	0.140	9.07	19.10	0.208	110.3	3.2	19	DO reading looks odd; turned flow down slightly
1007	—	0.100	0.700	9.04	19.26	0.215	124.5	15.9	16	water clear
1012	—	0.110	1.250	8.96	19.12	0.245	107.2	11.0	15	
1017	—	0.095	1.725	8.82	19.11	0.250	88.4	0.93	9.8	
1022	6.24	0.100	2.225	8.69	19.12	0.251	72.0	0.73	7.9	
1027	6.25	0.100	2.725	8.55	19.21	0.253	62.7	0.72	6.2	
1032	6.24	0.095	3.200	8.44	19.23	0.254	51.6	0.69	5.2	
1037	6.24	0.095	3.675	8.31	19.27	0.255	44.1	0.58	3.8	
1042	6.24	0.095	4.150	8.21	19.33	0.255	38.1	0.44	2.9	
			total purge vol = 4.150 + 0.5 = 4.650L							

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes:

Pump on @ 0955

Approx 0.5 L purged before volume estimation started. - Add 0.5L to final volume.

Collected VOC sample @ 1045 Sample ID: MCA-GWxx-17-0306

Signed/Sampler(s): [signature]

44.5
6.23
38.34 x 0.168 = 6.44 gal well volume

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-18	Location: MCA Barracks
Sampler(s): D. Skaruppa	Project Name: Baseline Groundwater Sampling
Well Depth: 44.70	Project #: OMA009-001-02-02-03 Date: 3/9/06 Time: 1455
DTW (ft): 11.93 DTP Top (ft): —	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: soft	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (40 - 45)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): Mostly sunny w/ few clouds, gen. calm/light mild southerly breeze; ~70F
Well Diameter (in): 2	
Placement of Pump Inlet (ft):	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1222	12.04	0.075	0.5	7.66	22.39	0.094	4.3	2.95	75	Turned down pressure slightly
1227	12.09	0.060	0.875	6.97	22.34	0.087	-12.8	1.31	50	
1232	12.09	0.060	1.175	6.60	22.32	0.084	0.9	1.02	39	
1237	12.09	0.060	1.475	6.33	22.39	0.081	14.0	0.82	36	
1242	12.09	0.060	1.775	6.17	22.42	0.080	24.0	0.75	31	
1247	12.09	0.060	2.075	6.06	22.48	0.080	28.5	0.72	29	
1252	12.09	0.060	2.375	5.97	22.46	0.079	33.0	0.65	28	
1257	12.09	0.060	2.675	5.92	22.50	0.079	34.7	0.67	26	
1302	12.09	0.060	2.975	5.88	22.47	0.078	35.1	0.63	25	

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes: Started purging @ 1215
Iron/orange material in flow-cell during first few minutes of purging.
Collected sample (VOC) @ 1305 Sample ID: MCA-GWA18-0306

Signed/Sampler(s): Glenn A. Skaruppa

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-19	Location: MCA Barracks
Sampler(s): J. Stearns	Project Name: Baseline Groundwater Sampling
Well Depth: 41.81	Project #: OMA009-001-02-02-03 Date: 3-9-06 Time: 1435
DTW (ft): 8.29 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: soft	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (37 - 42)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	Mostly sunny w/ variable wind, generally from south; ~ 75°F
Placement of Pump Inlet (ft): ~40	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1505	8.45	0.120	0.620	6.49	21.14	0.080	95.8	2.37	330	water a bit cloudy
1510	8.33	0.010	0.650	5.82	21.48	0.077	105.9	1.40	10+	empty water
1515	8.44	0.090	0.690	5.81	21.73	0.077	99.7	1.11	310	increased pump rate slightly
1520	8.44	0.120	1.290	5.83	21.90	0.075	95.0	1.21	450	pulled pump up slightly
1525	8.44	0.110	1.640	5.75	21.39	0.073	95.2	0.65	550	water still pretty cloudy
1530	8.44	0.110	2.190	5.81	21.45	0.072	87.4	0.52	750	throttled down pump rate slightly to
1535	8.39	0.075	2.700	5.79	21.49	0.072	85.2	0.40	880	water cloudy grey
1540	8.39	0.070	3.005	5.79	21.36	0.071	82.9	0.40	850	
1545	8.39	0.070	3.340	5.76	21.53	0.071	82.3	0.35	850	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: Bailed water from inside well box - was over the top of the inner casing

1500 - started purging

1505 - flow cell full of water

1525 - checked calibration of LaMotte turbidimeter - OK w/ 1 and 10 solutions

1550 - collected VOC samples. Sample ID: MCA-GWX-19-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-21	Location: MCA Barracks
Sampler(s): S. Shanoff	Project Name: Baseline Groundwater Sampling
Well Depth: 47.70	Project #: OMA009-001-02-02-03 Date: 3-9-06 Time: 1705
DTW (ft): 9.49 DTP Top (ft): —	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: soft (?)	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (42.9 - 47.9)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	Partly sunny w/ increasing clouds strong
Placement of Pump Inlet (ft):	Southerly winds, ~ 65°F

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1730	9.91	0.040	0.500	5.97	21.42	0.092	98.0	4.63	21	
1735	9.93	0.070	0.800	5.95	21.79	0.090	91.7	2.02	19	
1740	9.93	0.070	1.150	5.95	21.86	0.090	73.3	1.79	19	
1745	9.93	0.065	1.475	5.94	21.82	0.089	61.7	1.56	22	
1750	9.93	0.065	1.800	5.93	21.79	0.088	54.0	1.42	22	
1755	9.93	0.065	2.125	5.92	21.72	0.088	47.1	1.06	24	
~~1800~~										

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes: 1720 - Began purging

1733 - Turned down pressure dial slightly to reduce drawdown

1800 - Collected VOC samples

Sample ID: MCA-GW-XX-21-0306

Signed/Sampler(s):

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-22	Location: MCA Barracks
Sampler(s): J. Skarupa	Project Name: Baseline Groundwater Sampling
Well Depth: 31.65	Project #: OMA009-001-02-02-03 Date: 03-10-06 Time: 0935
DTW (ft): 4.31 DTP Top (ft):	Courier: __X__ FedEx ____ UPS ____ Hand ____ Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (26 - 31)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): Mostly cloudy; rain clouds to the west w/ 20% chance of showers; southerly winds ~65°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft):	

Cal 0.908

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1000	4.47	0.125	0.500	7.86	23.43	0.236	93.2	2.39	210	reduced pump rate
1005	5.36	0.080	0.800	7.54	22.94	0.160	127.9	1.71	330	adjusted pump depth
1010	6.29	0.090	1.350	7.57	22.62	0.158	127.9	1.57	500	
1015	6.53	0.085	1.775	7.61	22.79	0.158	122	1.53	450	adjusted to max height
1020	6.90	0.075	2.150	7.71	22.83	0.159	60.5	1.50	360	reduced throttle slightly
1025	7.00	0.045	2.375	7.85	22.69	0.159	33.0	1.37	330	
1030	7.14	0.040	2.575	7.92	22.57	0.159	34.2	1.30	500	double checked level of water column
1035	7.20	0.040	2.775	8.00	22.53	0.160	32.7	1.27	600	
1040	7.25	0.040	2.975	8.08	22.44	0.161	21.3	1.25	650	
1045	7.33	0.040	3.175	8.16	22.40	0.161	3.2	1.20	600	
1050	7.30	0.040	3.375	8.24	22.37	0.162	-7.3	1.13	600	
1055	7.30	0.040	3.575	8.31	22.45	0.163	-19.1	1.08	600	
1100	7.27	0.040	3.775	8.34	22.59	0.163	-22.8	1.03	600	
1110	restarted purging @ 0.485 L/min to complete 3 well vols									
1150	19.50	0.480	42.0	8.30	24.14	0.164	-101.3	1.62	23	turbidity, water clear
1210	21.50	0.470	48.0	8.15	24.13	0.163	-107.6	1.11	15	turbidity
1230	23.20	0.470	300	7.76	24.17	0.153	-130.3	1.04	9.5	turbidity
1305	23.60	0.380	370	6.94	24.62	0.141	-99.6	0.49	11	turbidity
1330	25.50	0.330	450	6.62	24.45	0.136	-92.1	0.33	9.2	turbidity
1400	24.90	0.330	490	6.47	24.50	0.130	-84.3	0.32	5.3	turbidity

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: Started purging @ 0957 SAT tag sticks Not bottom is 32-34'

1405 - Collected VOC samples Could not detect odor.

1420

Sample ID: MCA-GWS-22-05

Signed/Sampler(s): John A. Skarupa

1405	24.76	0.330	~50.50	6.38	24.46	0.129	-81.6	0.17	5.0
1410	24.71	0.330	~52.10	6.35	24.49	0.128	-81.8	0.12	4.6
1415	24.61	0.330	~53.60	6.34	24.58	0.127	-82.0	0.12	5.0

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-24	Location: MCA Barracks
Sampler(s): S. Skaggs	Project Name: Baseline Groundwater Sampling
Well Depth: 41.55'	Project #: OMA009-001-02-02-03 Date: 03-15-06 Time: 0700
DTW (ft): 7.57 DTP Top (ft): —	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (36.8 - 41.8)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): none ~50°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~39	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (Gal) (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0810	7.82	0.055	0.750	7.05	15.67	0.091	105.3	2.82	28	flow too low, set @ 0.3 Lpm
0815	8.70	0.345	1.200	6.53	19.27	0.088	90.6	1.37	18	
0820	8.96	0.100	1.500	6.32	19.71	0.090	80.0	0.86	23	
0822	9.00	—								
		drawdown never stabilized through flow rate								
		was reduced to 0.100 Lpm.								
	9.00	will wait well and return later for sample collection								
0918	—	—	8.30	5.95	18.62	0.080	89.8	2.59	20	
0935	—	—	6.0	5.91	20.04	0.082	91.3	2.41	26	
0948	—	—	9.0	5.93	20.89	0.086	76.1	1.26	25	
1008	—	—	12.0	5.83	21.11	0.088	63.5	1.10	18	
1021	—	—	15.0	5.91	20.63	0.089	53.4	1.59	15	
1034	—	—	18.0	5.94	21.38	0.089	50.7	1.20	7.1	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 0753 - started purging (1) P=2.5 F=3 throttle=17 psi
(2) P=3 F=4 throttle=20 psi
(3) P=3 F=3 throttle=18 psi
1036 - Parameters stable - Hach = Hach gas
1040 - Collected sample (VOCs only) ID: MCA-GW-XX-24-0306

Signed/Sampler(s): [signature]

41.55' - 7.57' = 33.98' × 0.168 gal/ft = 5.7 gal/well vol
5.7 gal/vol × 3 vols = 17.13 gal
½ well vol = 2.8

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: XX-25	Location: MCA Barracks
Sampler(s): S. Skaarup	Project Name: Baseline Groundwater Sampling
Well Depth: 33.95	Project #: OMA009-001-02-02-03 Date: 3-10-06 Time: 1550
DTW (ft): 6.58 DTP Top (ft): —	Courier: X FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well:	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): (29 - 34)	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): Cloudy, southerly breeze, ~80F
Well Diameter (in): 2	
Placement of Pump Inlet (ft):	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1636	6.80	~0.040	~0.750	5.38	21.26	0.073	133.7	3.94	210	
1641	6.75	~0.040	~0.950	4.45	21.47	0.072	165.1	1.40	250	
1646	6.73	~0.035	~1.130	4.96	21.43	0.072	171.3	0.87	270	
1651	6.73	~0.035	~1.310	5.08	21.30	0.072	171.7	0.87	260	turned flow rate down
1656	6.73	~0.035	~1.490	4.95	21.20	0.072	172.2	0.79	270	
1701	6.73	~0.030	~1.640	4.94	21.09	0.072	179.5	0.76	270	
1706	6.73	~0.030	~1.790	4.93	21.04	0.072	181.3	0.70	250	

Observations

Color: ~~Clear~~ Other (describe): ~~moderate tight~~ orange hue - ~~Dark, color elevated due to orange observed Conditions changing~~

Odor: ~~None~~ Low Medium High Very Strong H2S Fuel-like

Notes: At 1616: started purging pH ~5(-) E = ~3
Water orange at purge start.
1712 - Collected VOC samples per QAP
Sample ID MCA-GW-HGL-XX-25-0306

Signed/Sampler(s): S. Skaarup

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-1B	Location: MCA Barracks
Sampler(s): S. Skaarup	Project Name: Baseline Groundwater Sampling
Well Depth: 24.80	Project #: OMA009-001-02-02-03 Date: 3-11-06 Time: 0835
DTW (ft): 4.22 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: Soft Hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 15 (-) 25	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): Mostly cloudy, trade breeze to North ~70F
Well Diameter (in): 2	
Placement of Pump Inlet (ft):	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0938	4.42	0.085	0.750	6.69	20.49	0.096	85.4	2.48	13	water clear
0943	4.38	0.080	1.150	5.86	20.28	0.094	120.1	2.05	6.4	
0948	4.37	0.085	1.575	5.34	20.18	0.092	127.4	1.48	4.2	
0953	4.37	0.085	2.000	5.30	20.17	0.090	132.9	1.43	4.0	
0958	4.37	0.080	2.200	5.27	20.14	0.089	132.4	1.24	3.8	
1003	4.37	0.080	2.400	5.27	20.22	0.088	131.5	1.33	3.8	
1008	4.37	0.080	2.600	5.27	20.26	0.087	131.4	1.24	3.9	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 0936 - Began purging
1008 - Parameters stabilized, collected samples @ 0835
Hach Fluoride test - 1.0 mg/L
Sample ID: MCA-GW-HGL-1B-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-1C	Location: MCA Barracks
Sampler(s): J. Skamarycz	Project Name: Baseline Groundwater Sampling
Well Depth: 39.45	Project #: OMA009-001-02-02-03 Date: 3-1-06 Time: 1305
DTW (ft): 9.90 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: soft?	Type of Pump: Bladder Pump
Screen Interval FTOC(ft) 30 (-) 40	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	wind from east ~ 80F
Placement of Pump Inlet (ft): ~35	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1338	9.97	0.175	0.750	6.05	22.4	0.126	56.2	3.74	23	
1343	9.98	0.170	1.550	5.82	21.50	0.120	44.4	0.84	14	
1348	9.99	0.170	2.450	5.72	21.54	0.119	39.9	0.44	11	
1353	9.99	0.170	3.500	5.86	21.46	0.121	16.0	0.26	12	
1358	9.99	0.170	4.350	5.93	21.48	0.121	7.4	0.23	12	
1403	9.99	0.170	5.200	5.97	21.48	0.121	-5.0	0.22	12	
1408	9.99	0.170	6.050	5.96	21.49	0.120	-9.5	0.26	12	

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes: 1325 - Started purging P=3 E=3 throttled up a bit after start
1408 - Parameters stabilized; collected samples @ 1415.
Hach: 3.2 mg/L
Sample ID: MCA-GWHGL-1C-0306

Signed/Sampler(s): John Skamarycz

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-2B	Location: MCA Barracks
Sampler(s): J. Skaggs	Project Name: Baseline Groundwater Sampling
Well Depth: 23.97	Project #: OMA009-001-02-02-03 Date: 03-1-06 Time: 1610
DTW (ft): 2.85 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method: BP
Condition of Bottom of Well: Hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 4 (-) 24	Weather (sun/clear) overcast/rain, wind direction, ambient temperature): moderate breeze from south. ~80°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~19.0	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1637	2.95	0.140	0.750	6.54	21.58	0.317	43.7	2.15	24	
1642	2.95	0.140	1.750	6.53	20.80	0.319	35.8	0.36	45	
1647	2.95	0.140	2.150	6.88	20.87	0.322	16.0	0.29	55	
1652	2.95	0.140	2.850	6.94	20.69	0.323	11.4	0.25	65	
1657	2.95	0.140	3.550	6.97	20.75	0.323	7.9	0.21	65	
1702	2.95	0.140	4.250	7.00	20.62	0.325	4.1	0.17	65	
1707	2.95	0.140	4.950	7.04	20.61	0.328	2.2	0.15	60	

Observations

Color: Clear Other (describe): generally clear but a bit turbid w/ light gray color

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1635 - Began purging B=1 F=3

1708 - Parameters stabilized; Collected sample @ 1720.

Hach Ferrous Iron: 0.5 mg/L

Sample ID: MCA-GW-HGL-2B-0306

Signed/Sampler(s): [signature]

2.55

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-2B/C gas	Location: MCA Barracks
Sampler(s): J. Skaarup	Project Name: Baseline Groundwater Sampling
Well Depth: 44.24'	Project #: OMA009-001-02-02-03 Date: 03-12-06 Time:
DTW (ft): 2.52 DTP Top (ft):	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: soft	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): ~34 (-) ~44	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	clear, occasional breeze from west, ~73°F
Placement of Pump Inlet (ft): ~39	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0926	2.70	0.140	0.750	7.67	20.90	0.383	60.4	3.19	180	started pumping
0941	2.69	0.120	1.350	7.43	20.90	0.361	45.7	0.62	300	
0946	2.69	0.120	1.950	7.30	20.72	0.359	48.2	0.41	220	
0951	2.68	0.120	2.550	7.23	20.71	0.357	49.3	0.33	170	
0956	2.68	0.120	3.150	7.25	20.70	0.355	50.0	0.25	140	
1001	2.68	0.120	3.750	7.29	20.72	0.353	44.4	0.22	100	
1006	2.68	0.120	4.350	7.30	20.76	0.351	40.5	0.21	80	
1011	2.68	0.120	4.950	7.29	20.87	0.349	32.8	0.21	70	
1016	2.68	0.120	5.550	7.28	20.90	0.349	25.4	0.21	65	
1021	2.68	0.120	6.150	7.27	20.93	0.347	19.2	19.4 DUP 0.19	60	
1026	2.68	0.120	6.750	7.27	20.87	0.346	5.6	0.19	50	
1031	2.68	0.120	7.350	7.26	20.94	0.346	-4.5	0.21	50	
1036	2.68	0.120	7.950	7.26	~~20.~~ 20.93	0.345	-15.6	0.19	45	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 0926 started pumping Pz 2.5 E -4

1036 Parameters stabilized - Had Terrros Iron: 0.4 mg/L

1050 - Collected samples MCA-GWHGL-2C-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-3B	Location: MCA Barracks
Sampler(s): M. Jackson + J. Shearup	Project Name: Baseline Groundwater Sampling
Well Depth: 24.70 TOC 25.20 (grade)	Project #: OMA009-001-02-02-03 Date: 031606 Time: 0740
DTW (ft): 2.48 DTP Top (ft):	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: firm	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 15 - 25	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	↓ no wind → ~50°F
Placement of Pump Inlet (ft): ~20	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0806	2.48	0.230	0750	6.01	18.37	0.483	64	4.17	500	low bath. on La Motte
0811	2.55	0.210	1.800	6.06	19.07	0.479	49.4	4.95	190	
0816	2.55	0.230	2.950	6.04	19.21	0.479	50.6	6.89	280	
0821	2.55	0.240	4.150	6.04	19.32	0.479	50.3	7.47	170	slight leak on fr. cell - tightened & adjust throttle valve
0826	2.57	0.250	5.400	6.02	19.64	0.481	47.5	5.70	100	
0831	2.57	0.230	6.550	6.02	19.44	0.484	42.9	4.90	55	
0836	2.57	0.230	7.700	6.03	19.28	0.491	41.1	4.37	29	
0841	2.57	0.230	8.850	6.02	19.32	0.492	35.2	3.79	34	
0846	2.57	0.230	10.00	6.02	19.30	0.495	33.4	3.64	28	
0851	2.57	0.230	11.150	6.02	19.31	0.497	30.5	3.35	20	
0856	2.57	0.230	12.300	6.02	19.36	0.495	30.3	3.10	22	
0901	2.57	0.230	13.450	6.02	19.38	0.497	26.8	3.04	21	

Observations

Color: (Clear) Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 0802 - started purging P=2.2 E=3 Throttle = 10 psi
0900 Hach: 4.9
0910 - Collected sample ID: MCA-GW-HGL-3B-0306
Collected MS/MSD; ID: MCA-GW-HGL-3B-MS-0306 -MSD-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-3C	Location: MCA Barracks
Sampler(s): S. Neary + M. Sheldon	Project Name: Baseline Groundwater Sampling
Well Depth: ~~39.25~~ 39.35	Project #: OMA009-001-02-02-03 Date: 03/16/06 Time: 0935
DTW (ft): 2.56 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: firm	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 30 (-) 40	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	Cs ~65°
Placement of Pump Inlet (ft): ~35	Cs W/NW breeze

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1009	2.63	0.180	0.750	7.40	20.44	0.450	28.1	6.38	320	
1014	2.64	0.170	1.600	7.29	20.50	0.458	-30.2	4.90	160	
1019	2.64	0.160	2.400	7.31	20.49	0.464	-49.5	2.20	50	
1024	2.64	0.170	3.250	7.34	20.44	0.469	-62.2	1.84	30	
1029	2.64	0.170	4.100	7.35	20.44	0.469	-67.6	1.58	23	
1034	2.64	0.170	4.950	7.36	20.41	0.466	-73.3	1.59	16	
1039	2.64	0.170	5.800	7.37	20.58	0.462	-75.5	1.42	13	
1044	2.64	0.170	6.750	7.37	20.46	0.459	-78.0	1.50	11	
1049	2.64	0.170	7.600	7.39	20.50	0.455	-78.7	1.44	9.9	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1004 - started purging P=25 T=35 Tubbie = 10
1045 - Hach = 0.5 mg/L
1050 - collected samples ID: MCA-GW-HGL-3C-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-4B	Location: MCA Barracks
Sampler(s): S. Skaarup M. Tadisee	Project Name: Baseline Groundwater Sampling 0710
Well Depth: 24.57 (TOC) 25.00 (Gage)	Project #: OMA009-001-02-02-03 Date: 8/17-06 Time: ~~1556~~
DTW (ft): 5.58 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well:	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 15 (-) 25	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	Mix of sun/clouds, wind from SSW; ~56°F
Placement of Pump Inlet (ft): ~20	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0738	5.65	0.160	0.750	5.76	18.66	0.134	88.3	3.75	80	
0743	5.65	0.160	1.550	5.68	19.37	0.126	88.5	1.86	100	
0748	5.65	0.150	2.300	5.68	19.41	0.126	88.0	1.46	120	
0753	5.64	0.140	3.000	5.68	19.44	0.126	87.6	1.23	120	adjust flow rate
0758	5.65	0.200	4.000	5.68	19.57	0.125	86.6	1.12	140	
0803	5.65	0.200	5.000	5.68	19.82	0.125	85.1	0.89	240	
0808	5.65	0.200	6.000	5.68	19.92	0.125	84.4	0.89	230	
0813	5.65	0.190	6.950	5.68	19.89	0.125	82.6	0.85	230	
0818	5.65	0.180	7.850	5.68	19.90	0.124	83.3	0.83	210	
0823	5.65	0.175	8.725	5.68	20.07	0.125	81.5	0.86	170	
0828	5.65	0.170	9.575	5.68	20.14	0.125	81.3	0.86	170	
0833	5.65	0.165	10.410	5.69	20.06	0.125	82.7	0.90	130	
0838	5.65	0.160	11.210	5.70	20.14	0.125	80.5	0.95	110	
0843	5.65	0.160	12.010	5.69	20.12	0.126	79.8	0.93	110	
0848	5.65	0.160	12.810	5.69	20.16	0.126	79.5	0.96	110	

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes:
0733 - Started purging P=2 E=3 Throttle = 10 psi
0948 - Field = 3.0 mg/L
0950 - Collected samples ID: MCA-GW-HGL-4B-0306
also collected MS/MSD: MCA-GW-HGL-4B-MS/MSD-0306

Signed/Sampler(s):

8 75 0.875

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-4C	Location: MCA Barracks
Sampler(s): S. Sloan + MR. Dickson	Project Name: Baseline Groundwater Sampling
Well Depth: 38.80 (TOC) ~39.25 (grade)	Project #: OMA009-001-02-02-03 Date: 03-17-08 Time: 0955
DTW (ft): 5.58 (TOC) MP Top (ft):	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well:	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 29 (-) 39	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): N/NW ~65°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~34	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1032	5.63	0.180	0.750	5.76	21.37	0.103	78.6	4.05	80	
1037	5.63	0.160	1.550	5.60	21.39	0.104	70.9	1.86	100	
1042	5.63	0.160	2.350	5.54	21.44	0.100	69.8	1.37	120	
1047	5.63	0.160	3.150	5.59	21.37	0.100	69.5	1.53	140	
1052	5.63	0.160	3.950	5.62	21.43	0.100	69.0	1.33	140	
1057	5.63	0.160	4.750	5.64	21.54	0.100	68.5	1.24	120	
1102	5.63	0.160	5.550	5.66	21.51	0.101	67.9	1.13	110	
1107	5.63	0.160	6.350	5.67	21.50	0.101	65.4	1.16	100	
1112	5.63	0.160	7.150	5.67	21.49	0.101	65.6	1.15	80	
1117	5.63	0.160	7.950	5.67	21.47	0.100	65.8	1.15	70	
1122	5.63	0.160	8.750	5.68	21.46	0.100	65.9	1.08	60	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1028 - Started Purging P=3 E=4 Throttle=17psi
1120 - Read: 2.0 mg/L
1125 - Collected sample ID: MCA-GW-HGL-4C-0306

Signed/Sampler(s):

TB031506 1700 2 vials

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-5B	Location: MCA Barracks
Sampler(s): J. Skaruppa	Project Name: Baseline Groundwater Sampling
Well Depth: 23.75	Project #: OMA009-001-02-02-03 Date: 03-14-06 Time: 0735
DTW (ft): 2.26 DTP Top (ft): —	Courier: X FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 4 (-) 24	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): cloudy, rain likely in PM, windy, cool ~65°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~19	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0801	2.43	0.080	0.750	5.79	19.57	0.666	45.7	1.00	110	adj throttle valve
0806	2.50	0.120	1.350	5.48	19.71	0.639	51.7	0.58	100	
0811	2.50	0.120	1.950	5.48	19.79	0.625	49.9	0.37	40	
0816	2.50	0.120	2.550	5.52	19.83	0.615	46.7	0.27	35	
0821	2.50	0.120	3.150	5.53	19.82	0.608	47.5	0.20	33	
0826	2.50	0.120	3.750	5.53	19.82	0.605	47.8	0.19	31	
0831	2.50	0.120	4.350	5.54	19.85	0.602	47.8	0.18	29	end
0836	2.50	0.120	4.950	5.54	19.85	0.601	48.8	0.17	25 26	
0841	2.50	0.120	5.550	5.55	19.87	0.600	48.8	0.15	25	
0846	2.50	0.120	6.150	5.54	19.86	0.599	49.5	0.16	21	

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes: 0756 - Started pumping PC 1.5 E= 3 throttle = D as (flow 1st a level)

0846 - parameters stable Hach ferrous iron: 5.6 mg/L

0850 - collected samples ID: MCA-GW-HGL-5B20306

Signed/Sampler(s): [signature]

2.7

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-5C	Location: MCA Barracks
Sampler(s): J. Shaw	Project Name: Baseline Groundwater Sampling
Well Depth: 36.95	Project #: OMA009-001-02-02-03 Date: 03/4/06 Time: 0735
DTW (ft): 2.33 DTP Top (ft): —	Courier: X FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 37 (-) 37	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): cloudy; rain likely later today; sandbags in place ~65°
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~32	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1017	~~2.53~~	0.140	0.750	6.09	20.38	0.466	50.5	0.58	too high to read	water grey-silty
1022	2.52	0.140	1.450	5.95	20.40	0.457	48.3	0.41	370	water clearing up
1027	2.52	0.140	2.150	5.91	20.53	0.433	44.2	0.36	170	
1032	2.52	0.140	2.858	5.92	20.62	0.424	40.2	0.40	110	
1037	2.52	0.140	3.550	5.93	20.44	0.441	38.0	0.38	75	
1042	2.52	0.140	4.250	5.92	20.54	0.439	33.3	0.35	55	
1047	2.52	0.140	4.950	5.92	20.53	0.439	33.1	0.32	50	
1052	2.52	0.140	5.650	5.93	20.52	0.444	30.9	0.31	45	
1057	2.52	0.140	~~6.350~~ 6.350	5.93	20.56	0.457	30.0	0.28	40	
1102	2.52	0.140	7.050	5.94	20.53	0.466	28.4	0.24	40	
1107	2.52	0.140	7.750	5.94	20.53	0.467	28.2	0.20	39	
1112	2.52	0.140	8.450	5.94	20.59	0.473	26.8	0.19	38	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1013 – started purging Pz 3 Ez 4 throttle = 17 psi

1112 – parameters stable Hach Ferrous iron: 4.6 mg/L

1125 – collected samples ID: MCA-GW-HGL-5C-0306

Signed/Sampler(s): J. Shaw

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-6B	Location: MCA Barracks
Sampler(s): J. Hampton M. Dadson	Project Name: Baseline Groundwater Sampling
Well Depth: 24.64 (TOC) 25.00 (gs)	Project #: OMA009-001-02-02-03 Date: 03/7/06 Time: 1230
DTW (ft): 7.73 DTP Top (ft):	Courier: X FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well:	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 15 (-) 25	Weather (sun/clear) overcast/rain, wind direction, ambient temperature): N/NW ~70F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~20	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1248	7.82	0.170	0.750	5.87	22.08	0.409	64.4	3.59	40	
1253	7.82	0.160	1.550	5.83	21.62	0.408	73.1	1.18	55	
1258	7.81	0.160	2.350	5.89	21.57	0.405	71.3	0.90	65	
1303	7.81	0.160	3.150	5.93	21.56	0.401	70.1	0.83	55	
1308	7.81	0.160	3.950	5.94	21.60	0.400	70.1	0.88	45	
1313	7.81	0.160	4.750	5.95	21.57	0.399	71.6	0.91	39	
1318	7.81	0.160	5.550	5.94	21.65	0.398	75.0	1.07	29	
1323	7.81	0.160	6.350	5.94	21.68	0.398	79.8	1.16	27	
1328	7.81	0.160	7.150	5.94	21.62	0.398	81.0	1.13	25	
1333	7.81	0.160	7.950	5.94	21.70	0.398	81.8	1.13	19	
1338	7.81	0.160	8.750	5.94	21.68	0.399	83.0	1.17	22	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1242 – started purging P=2 E=3 Throttle = 11

1333 – Hach: 3.64 mg/L

1340 – Collected samples IDs: MCA-GWHGL-6B-0306

MCA-GW DUP 203-0306 (VOCs)

Signed/Sampler(s): Glen A Hampton

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-6C	Location: MCA Barracks
Sampler(s): D. Shaw & M. Tadeo	Project Name: Baseline Groundwater Sampling
Well Depth: 39.25 (TOC) 39.40 (Grade)	Project #: OMA009-001-02-02-03 Date: 03-17-06 Time: 1420
DTW (ft): 8.95 DTP Top (ft):	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard/firm	Type of Pump: Bladder Pump
Screen Interval FTOC(ft) 30 (-) 40	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	partly cloudy, windy from S/SW, ~75°F
Placement of Pump Inlet (ft): ~35	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1447	9.12	0.080	0.750	5.95	23.44	0.158	8.8	4.41	18	med sheets 18, fines
1452	9.22	0.125	1.375	5.71	22.7	0.139	23.3	2.04	27	
1457	9.23	0.125	2.000	5.68	22.27	0.140	23.9	1.21	36	
1502	9.23	0.125	2.625	5.76	22.26	0.138	21.0	1.04	40	
1507	9.23	0.125	3.250	5.78	22.22	0.138	19.9	1.00	40	
1512	9.23	0.125	3.875	5.81	22.27	0.139	18.5	0.93	37	
1517	9.23	0.125	4.500	5.82	22.21	0.138	17.7	0.89	31	
1522	9.23	0.125	5.125	5.82	22.28	0.138	17.8	0.90	29	
1527	9.23	0.125	5.650	5.83	22.31	0.136	17.3	0.86	28	
1532	9.23	0.125	6.275	5.83	22.27	0.136	18.1	0.92	29	

Observations

Color: (Clear) Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1440 - started purging P=3 E=4 Turbo=17 pH

1530 - turb = 30 mg/L

1535 - collected samples MCA-GW-HGL-6C-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-7B	Location: MCA Barracks
Sampler(s): S. Shaw	Project Name: Baseline Groundwater Sampling
Well Depth: 24.72	Project #: OMA009-001-02-02-03 Date: 03/5-06 Time: 1135
DTW (ft): 7.85 DTP Top (ft): —	Courier: X FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 15 (-) 25	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): ~75°F from west/NW
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~ 20	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1202	7.94	0.240	0.750	5.99	19.97	0.167	71.2	1.54	320	water trace grey
1207	7.93	0.210	1.800	5.74	20.01	0.160	80.2	0.43	100	
1212	7.93	0.190	2.750	5.70	20.04	0.157	82.7	0.27	80	adjust throttle ↑ flow
1217	7.93	0.230	3.900	5.68	20.04	0.156	83.0	0.24	75	
1222	7.93	0.230	5.050	5.73	20.05	0.155	80.6	0.23 2nd	70	
1227	7.93	0.230	6.200	5.69	20.02	0.152	81.8	0.18	50	
1232	7.93	0.230	7.350	5.66	20.08	0.150	82.5	0.20	40	
1237	7.93	0.230	8.500	5.66	20.08	0.148	81.9	0.16	36	
1242	7.93	0.230	9.650	5.66	20.09	0.147	81.8	0.14	33	
1247	7.93	0.230	10.800	5.65	26.04	0.146	81.9	0.14	32	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1158 – purge started P=2 F=3 throttle = 12 o'c
1247 – parameters stable Hach = 3.0 mg/L
1300 – collected sample, ~~started dup, filled triplicate for VOC~~
Sample ID ~~(all except dup)~~: MCA-GW-HGL-7B-0306

Signed/Sampler(s): [signature] 11.59

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-7C	Location: MCA Barracks
Sampler(s): J. Sweeney	Project Name: Baseline Groundwater Sampling
Well Depth: 44.00	Project #: OMA009-001-02-02-03 Date: 05-15-06 Time: 1135
DTW (ft): 11.59 DTP Top (ft): —	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 34 (-) 44	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	WSW/NW ~75°F
Placement of Pump Inlet (ft): ~39	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1413	11.73	0.080	0.750	5.98	20.15	0.107	57.7	1.69	16	adjust throttle valve
1418	11.78	0.110	1.300	5.71	20.46	0.108	53.1	0.81	14	
1423	11.78	0.110	1.850	5.69	20.72	0.107	68.6	0.52	15	
1428	11.78	0.110	2.400	5.72	20.91	0.107	57.1	0.40	17	
1433	11.78	0.110	2.950	5.73	21.07	0.108	45.0	0.36	20	
1438	11.78	0.110	3.500	5.74	21.24	0.108	42.6	0.36	20	
1443	11.78	0.110	4.050	5.73	21.07	0.108	43.7	0.32	19	
1448	11.78	0.110	4.600	5.74	20.93	0.108	42.9	0.31	17	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1402 – purge started P = 3 E = 4 throttle = 18 19

1448 – Parameters stabilized Hach = 2.6 mg/L

1500 – collected samples + blind dup (MCA-GW-0306-051506) ~~(MCA-GW-Dup-301-0306)~~

Sample ID for rest: MCA-GW-HGL-7C-0306

Signed/Sampler(s): John A Sweeney

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-8B	Location: MCA Barracks
Sampler(s): S. Sheard + M. Pelayo (grade - 24.0B)	Project Name: Baseline Groundwater Sampling
Well Depth: 23.76 TOC	Project #: OMA009-001-02-02-03 Date: 03-16-06 Time: 1150
DTW (ft): 3.89 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well:	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): ~(-)24	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	partly cloudy; ~ 75°F S/SW
Placement of Pump Inlet (ft): ~19	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1225	3.98	~0.150	0.750	5.99	18.61	0.106	-18.9	4.82	12	
1230	3.98	0.160	1.550	5.72	18.30	0.094	-19.3	1.32	10	
1235	3.98	0.160	2.350	5.73	18.35	0.094	-22.6	1.20	11	
1240	3.98	0.160	3.150	5.74	18.36	0.094	-34.9	1.08	9.2	
1245	3.98	0.160	3.950	5.73	18.27	0.093	-41.0	1.07	8.2	
1250	3.98	0.160	4.750	5.73	18.21	0.092	-44.8	1.05	7.1	
1255	3.98	0.160	5.550	5.73	18.28	0.092	-48.1	1.05	7.6	

Observations

Color: Clear Other (describe): probe clean after purging MW

Odor: None Low Medium High Very Strong H2S Fuel-like TCE

Notes: 1222 - started purging P=2 E=3 throttle = 10psi

1255 - Hach = 0.5 mg/L

1300 - collected samples ID: MCA-GW-HGL-8B-0306

Blind dup (QCP): MCA-GW-DUP-02-0306

Signed/Sampler(s):

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-8C	Location: MCA Barracks
Sampler(s): S. Skaarup + M. Dickson	Project Name: Baseline Groundwater Sampling
Well Depth: 43.20 (TOC) 43.45 (grade)	Project #: OMA009-001-02-02-03 Date: 03/6-06 Time: 1155
DTW (ft): 9.94 DTP Top (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: Firm	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 33 (-) 43	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): mostly partly cloudy, wind from S/SW, ~75°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~~40~~ 38	

probe clean after gauging OTB

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1407	10.00	0.230	0.750	5.86	19.94	0.062	46.4	5.08	3.0	water very clear
1412	10.04	0.240	1.950	5.77	19.84	0.060	36.0	2.07	0.0	
1417	10.04	0.240	3.150	5.76	19.84	0.058	35.7	1.65	1.5	
1422	10.04	0.240	4.350	5.75	19.83	0.058	35.3	1.48	1.4	
1427	10.04	0.240	5.550	5.76	19.84	0.058	35.1	1.25	1.4	
1432	10.04	0.240	6.750	5.76	19.85	0.057	35.0	1.33	1.4	
1437	10.04	0.240	7.950	5.76	19.90	0.057	37.0	1.42	1.4	
1442	10.04	0.240	9.150	5.76	19.95	0.059	35.6	1.47	1.5	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1403 – started purging P=3 E=4 Throttle = 20 psi
1440 – Hach = 20 mg/L
1445 – collected samples DF= MCA-GW HGL-8C-0306

Signed/Sampler(s): [signature]

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-9B	Location: MCA Barracks
Sampler(s): S. Skaar	Project Name: Baseline Groundwater Sampling
Well Depth: 23.93	Project #: OMA009-001-02-02-03 Date: 07-13-06 Time: 0850
DTW (ft): 6.63 DTP Top (ft): ____	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 14 (-) 24	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	partly cloudy; moderate wind from south ~75°F
Placement of Pump Inlet (ft): ~19.0	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1032	6.84	0.130	0.750	6.76	21.28	0.147	192.1	1.39	95	water mostly clear
1037	6.82	0.120	1.350	5.04	21.31	0.144	196.3	1.23	38	
1032	6.82	0.120	1.950	4.84	21.35	0.142	196.5	1.18	37	
1037	6.82	0.120	2.550	4.76	21.47	0.141	200.3	1.18	33	
1042	6.82	0.120	3.150	4.66	21.59	0.140	209.3	1.17	29	
1047	6.82	0.120	3.750	4.61	21.45	0.139	220.4	1.15	27	
1052	6.82	0.120	4.350	4.55	21.60	0.139	227.6	1.17	26	
1057	6.82	0.120	4.950	4.55	21.55	0.139	233.2	1.17	23	
1102	6.82	0.120	5.550	4.52	21.63	0.139	239.6	1.18	23	
1107	6.82	0.120	6.150	4.49	21.47	0.138	245.0	1.19	21	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1017 - Started purging R=2 E=3 Turbidity: ~100
1125 (1102) → Parameters stable - Turbidity down: 0.2 mg/L
↳ Collected Samples - MCA-GW-HGL-9B-0306

Signed/Sampler(s): [signature]

6.63

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-9C	Location: MCA Barracks
Sampler(s): J. Stanley	Project Name: Baseline Groundwater Sampling
Well Depth: 38.10	Project #: OMA009-001-02-02-03 Date: 03/13-06 Time: 1245
DTW (ft): 6.85 DTP Top (ft): ____	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: ~~Good~~ Silt	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 29 (-) 39	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): Mix of clouds/sun; wind from south/southwest ~80°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~34	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1311	7.05	0.110	0.750	5.25	22.53	0.237	153.5	2.66	260	
1316	7.03	0.100	1.250	5.10	22.66	0.253	133.4	0.57	240	
1321	7.03	0.100	1.750	5.17	22.51	0.257	116.4	0.46	150	
1326	7.03	0.100	2.250	5.24	22.40	0.262	98.4	0.37	110	
1331	7.03	0.100	2.750	5.25	22.12	0.267	90.8	0.34	95	
1336	7.03	0.100	3.250	5.22	22.11	0.273	84.5	0.31	80	
1341	7.03	0.100	3.750	5.24	22.31	0.277	78.5	0.34	70	
1346	7.03	0.100	4.250	5.30	22.18	0.281	68.1	0.31	60	
1351	7.03	0.100	4.750	5.31	22.37	0.280	65.8	0.29	55	
1356	7.03	0.100	5.250	5.33	22.19	0.282	58.3	0.29	50	
1401	7.03	0.100	5.750	5.32	22.32	0.281	58.1	0.28	45	
1406	7.03	0.100	6.250	5.39	22.41	0.281	42.2	0.27	38	Exhausted moisture from air compressor
1411	7.03	0.100	6.750	5.38	22.40	0.278	39.5	0.30	36	
1416	7.03	0.100	7.250	5.40	22.41	0.276	40.2	0.26	32	
1421	7.03	0.100	7.750	5.38	22.36	0.274	37.4	0.26	30	
1426	7.03	0.100	8.250	5.40	22.56	0.273	38.0	0.24	28	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1305 - Started purging P=2 E=4 Throttle = 16 psi

1426 - Parameters stabilized

Hach ferrous iron: 3.7 mg/L

1440 - Collected samples - ID: MCA-GW-HGL-9C-0306

Signed/Sampler(s): J. Stanley

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-10B	Location: MCA Barracks
Sampler(s): J. Sheaffer	Project Name: Baseline Groundwater Sampling
Well Depth: 24.38	Project #: OMA009-001-02-02-03 Date: 3-12-06 Time: 1300
DTW (ft): 3.96 DTP Top (ft): —	Courier: __X__ FedEx ____ UPS ____ Hand ____ Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 14 (-) 25	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	Sunny, partly cloudy, occasional breeze from south, ~80°F
Placement of Pump Inlet (ft): ~19	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1322	4.00	0.250	0.750	7.49	20.27	0.111	32.3	0.94	550	water level boundary
1327	4.00	0.250	2.000	6.25	19.82	0.106	68.8	0.21	708	
1332	4.00	0.245	3.225	6.00	19.72	0.103	67.0	0.15	550	
1337	4.00	0.240	4.425	6.16	19.67	0.100	55.4	0.14	450	
1342	4.00	0.240	5.625	6.21	19.67	0.098	52.8	0.13	450	
1347	4.00	0.240	6.825	6.20	19.73	0.095	56.0	0.11	450	
1352	4.00	0.240	8.025	6.16	19.68	0.094	58.9	0.11	400	
1357	4.00	0.240	9.225	6.13	19.69	0.092	63.4	0.11	390	
1402	4.00	0.240	10.425	6.11	19.70	0.091	66.7	0.09	370	
1407	4.00	0.240	11.625	6.10	19.69	0.091	66.2	0.09	360	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1320 - Started purge P= 1.7 C= 2.0

1415 - Sampled - parameters stable - Field ferrous iron: 0.3 mg/L

Sample ID: MCA-GW-HGL-10B-03306

Signed/Sampler(s): John Sheaffer

3.96 DTP

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-10C	Location: MCA Barracks
Sampler(s): J. Skarupa	Project Name: Baseline Groundwater Sampling
Well Depth: 35.61	Project #: OMA009-001-02-02-03 Date: 03/12/08 Time: 1540
DTW (ft): 3.96 DTP Top (ft): ___	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 29 (-) 39	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	↓ ↓
Placement of Pump Inlet (ft): ~34	from South ~75°F

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1605	4.00	0.125	0.250	6.98	20.14	0.088	60.3	2.07	500	water light brown
1610	4.00	0.130	1.400	6.92	19.74	0.086	113.8	0.62	330	
1615	4.00	0.130	2.050	5.82	19.70	0.084	114.5	0.51	340	
1620	4.00	0.130	2.650	5.98	19.61	0.083	103.0	0.41	360	
1625	4.00	0.130	3.250	6.07	19.60	0.082	95.4	0.39	350	
1630	4.00	0.130	3.850	6.09	19.58	0.082	93.7	0.36	340	
1635	4.00	0.130	4.450	6.08	19.56	0.081	92.9	0.35	330	
1640	4.00	0.120	5.050	6.10	19.62	0.081	91.9	0.31	320	
1645	4.00	0.130	5.650	6.08	19.62	0.080	91.2	0.32	310	

Observations

Color: Clear (Other) (describe): light brown

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes: 1600 – Started purging F = 2 E = 2

1646 – Parameters stable Hach Ferrous iron: 0.6 mg/L

1655 – Collected samples – MCA-GW-HGL-10C-0308

Signed/Sampler(s): John Skarupa

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-11B	Location: MCA Barracks
Sampler(s): J. Sheardy	Project Name: Baseline Groundwater Sampling
Well Depth: 24.50	Project #: OMA009-001-02-02-03 Date: 03/4-06 Time: 1355
DTW (ft): 8.15 DTP Top (ft): —	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 15 (-) 25	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in): 2	→ cloudy, haze passed, west, ~75°F
Placement of Pump Inlet (ft): ~19	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1415	8.34	0.190	0.750	6.56	24.43	0.266	50.9	0.65	55	
1420	8.32	0.190	1.700	6.51	24.29	0.262	37.4	0.23	130	
1425	8.32	0.190	2.650	6.49	24.28	0.262	29.9	0.21	170	
1430	8.32	0.190	3.600	6.47	24.26	0.265	19.4	0.15	180	reduced to Moffett-Ok
1435	8.32	0.190	4.550	6.48	24.28	0.267	13.9	0.14	160	
1440	8.32	0.190	5.500	6.47	24.27	0.268	9.4	0.16	140	
1445	8.32	0.190	6.450	6.49	24.29	0.269	5.0	0.13	100	
1450	8.32	0.190	7.400	6.50	24.28	0.270	2.9	0.13	75	
1455	8.32	0.190	8.350	6.50	24.22	0.269	-1.4	0.13	65	
1500	8.32	0.190	9.300	6.49	24.19	0.268	-2.7	0.12	65	
1505 1510	8.32	0.190	10.250	6.50	24.21	0.269	-5.8	0.12	60	
1510	8.32	0.190	11.200	6.49	24.16	0.269	-7.4	0.11	55	
1515	8.32	0.190	12.150	6.49	24.18	0.267	-8.5	0.12	65	lots of sand to begin - improved after sink 5 min
1520	8.32	0.190	13.100	6.49	24.31	0.273	-10.1	0.12	50	
1525	8.32	0.190	14.050	6.50	24.38	0.272	-11.5	0.11	50	
1530	8.32	0.190	15.000	6.52	24.28	0.272	-12.7	0.10	40	
1535	8.32	0.190	15.950	6.50	24.19	0.273	-12.1	0.09	45	
1540	8.32	0.190	16.900	6.50	24.19	0.272	-12.8	0.10	50	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1410 - Started purging P:2 E:3 throttle = 12 psi

1540 - parameters stabilized Hach. 2.0 mg/L

1540 - collected samples ID: MCA-GW-HGL-11B-0306

Signed/Sampler(s): J. Sheardy

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: HGL-11C	Location: MCA Barracks
Sampler(s): J. Stanley	Project Name: Baseline Groundwater Sampling
Well Depth: 39.90	Project #: OMA009-001-02-02-03 Date: 8/14/06 Time: 1635
DTW (ft): 8.21 DTP Top (ft): ———	Courier: __X__FedEx ____UPS ____Hand ____Other
MP Ht. Above/Below Ground Surface:	Sampling Method : BP
Condition of Bottom of Well: hard	Type of Pump: Bladder Pump
Screen Interval FTOC(ft): 30 (-) 40	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): wet ~70°F
Well Diameter (in): 2	
Placement of Pump Inlet (ft): ~35	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1651	8.48	0.100	0.750	6.45	24.61	0.165	8.0	1.25	35	
1656	8.49	0.105	1.275	6.31	24.50	0.163	7.7	0.72	34	
1701	8.49	0.120	1.875	6.23	24.42	0.162	1.8	0.45	55	
1706	8.49	0.120	2.475	6.18	24.43	0.160	-1.7	0.30	100	
1711	8.49	0.120	3.075	6.18	24.38	0.159	-6.5	0.30	170	
1716	8.49	0.120	3.675	6.17	24.44	0.158	-8.6	0.29	330	
1721	8.49	0.120	4.275	6.17	24.44	0.158	-6.1	0.30	500	re-checked w/ of to Mark - not mixed w/
1726	8.49	0.120	4.875	6.14	24.45	0.158	-6.6	0.30	650	
1731	8.49	0.120	5.475	6.17	24.43	0.158	-6.6	0.29	750	
1736	8.49	0.120	6.075	6.16	24.44	0.158	-7.1	0.29	800	
1741	8.49	0.120	6.675	6.19	24.41	0.157	-7.5	0.26	850	
1746	8.49	0.120	7.275	6.17	24.33	0.157	-7.7	0.27	900	
1751	8.49	0.120	7.875	6.17	24.34	0.157	-7.3	0.27	900	
1756	8.49	0.120	8.475	6.18	24.34	0.157	-7.3	0.27	900	
1801	8.49	0.120	9.075	6.18	24.32	0.157	-7.5	0.28	900	

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes: 1645 – started purging P=3 E=3 Head = 17.8'

1801 – parameters stable HCl = 3.5 ml/L (turbidity high)

1810 – collected samples FD#: MCA-GW-HGL-11C-0306

Signed/Sampler(s):

ARCADIS

DAILY LOG

Project HAA-15 Page 1 of 1

Site Location Hunter Army Airfield - Savannah, GA

Prepared By JDF

Date/Time	Description of Activities
2-4-10	Instrument Calibration
	YSI 556 Serial # 07E101699
	Parameter Standard Before After
	D.O. 100% 106.7 100.6
	pH 7.0/4.0/10.0 6.99/4.05/10.02 6.99/4.00/10.00
	Cond. 4.49 mS/cm 4.542
	LaMotte 2020e Serial #
	Parameter Standard Before After
	Turbidity 1.0 NTU/10.0 NTU 1.08/12.1 1.00/9.99

Well Inspection Log
Site Location HAA-15
Sampler(s) Name(s): Erica Maddox
Date 2/1/10

	Gauging Date	Water Level (ft bTOC)	Well ID visible	Concrete pad intact	Well cap intact and water-tight	Water in Vault	Well locked or bolted down	Well casing in good condition	Other Observations
HGL-1B	2/1/10	3.47	yes	yes	yes	NO	yes	Good	
HGL-1C		9.55	yes	yes	yes	NO	yes	Good	
HGL-2B									can not find (new building)
HGL-2C									can not find (new building)
HGL-9B		6.61	NO ID	yes	yes	NO	yes	Good	
HGL-9C		7.80	NO ID	yes	yes	NO	yes	Good	
HGL-8B		3.97	NO ID	yes	yes	NO	yes	Good	
HGL-8C		9.65	NO ID	yes	yes	NO	yes	Good	
XX-4									cannot find (storage container)
XX-5									can not find (storage containers)
XX-6									cannot find
XX-7									cannot find
XX-8		8.00	NO ID	yes	yes	NO	yes	Good	
XX-9									Cannot find (in bamboo area)
XX-10		2.16	NO ID	yes	yes	yes	yes	Good	
XX-11									can not find
XX-12		7.29	NO ID	yes	yes	yes	yes	Good	
XX-13		2.80	NO ID	yes	yes	NO	yes	Good	
XX-14		4.37	yes	yes	yes	yes	yes	Good	

Well Inspection Log
Site Location HAA-15
Sampler(s) Name(s): Erica Maddox
Date 2/1/10

	Gauging Date	Water Level (ft bTOC)	Well ID visible	Concrete pad intact	Well cap intact and water-tight	Water in Vault	Well locked or bolted down	Well casing in good condition	Other Observations
XX-15	2/1/10	4.35	NO ID	yes	yes	NO	yes	Good	bolts stripped
XX-16									Did not find (new building)
XX-17		6.00	NO ID	yes	yes	NO	yes	Good	
XX-18		11.91	yes	yes	yes	NO	yes	Good	
XX-21		9.72	yes	yes	~~yes~~	NO	~~yes~~	Good	

E. Maddox 2/1/10

Well Inspection Log
Site Location HAA-15
Sampler(s) Name(s): JDF
Date 2-1-10

Well	Gauging Date	Water Level (ft bTOC)	Well ID visible	Concrete pad intact	Well cap intact and water-tight	Water in Vault	Well locked or bolted down	Well casing in good condition	Other Observations
HGL-11B	2-1-10	8.38	No	Yes	Yes	No	Yes	Yes	
HGL-11C	2-1-10	8.43	No	Yes	Yes	No	Yes	Yes	
HGL-5B	2-1-10	1.59	No	Yes	Yes	No	Yes	Yes	
HGL-5C	2-1-10	1.54	No	Yes	Yes	No	Yes	Yes	
HGL-10B	2-1-10	3.13	No	Yes	Yes	No	Yes*	Yes	*bolt holes stripped
HGL-10C	2-1-10	3.14	No	Yes	Yes	No	Yes*	Yes	*bolt holes stripped
XX-25	2-1-10	5.81	Yes	Yes	Yes	Yes	Yes	Yes	Manhole Rim damaged
XX-24	2-1-10	—	—	—	—	—	—	—	unable to locate, new graded soil in vicinity, buried/destroyed?
HIS-MW-01B	2-1-10	7.83	Yes	Yes	Yes	No	Yes	Yes	
HIS-MW-01C	2-1-10	8.40	Yes	Yes	Yes	No	Yes	Yes	
HGL-6B	2-1-10	7.13	No	Yes	Yes	No	Yes*	Yes	* bolt holes stripped
HGL-6C	2-1-10	7.51	No	Yes	Yes	No	Yes*	Yes	* bolt holes stripped
HGL-4B	2-1-10	4.62	No	Yes	Yes	No	Yes	Yes	
HGL-4C	2-1-10	4.58	No	Yes	Yes	No	Yes	Yes	
XX-22	2-1-10	—	—	—	—	—	—	—	unable to locate/ construction area
XX-23	2-1-10	—	—	—	—	—	—	—	unable to locate/ construction area
XX-26(S)	2-1-10	~~9.14~~ 6.20	No	Yes	Yes	~~No~~ Yes	Yes*	Yes	* bolt holes stripped WL: 6.20
XX-26(I)	2-1-10	7.97	No	Yes	Yes	Yes	Yes*	Yes	* bolt holes stripped
XX-26(D)	2-1-10	9.14	No	Yes	Yes	Yes	Yes*	Yes	* bolt holes stripped

Well Inspection Log
Site Location HAA-15
Sampler(s) Name(s): JDF
Date 2-1-2010

	Gauging Date	Water Level (ft bTOC)	Well ID visible	Concrete pad intact	Well cap intact and water-tight	Water in Vault	Well locked or bolted down	Well casing in good condition	Other Observations
HGL-7B	2-1-10	8.72	~~Yes~~ No JDF	Yes	Yes	No	Yes	Yes	
HGL-7C	2-1-10	11.00	~~Yes~~ No 2-1-10	Yes	Yes	No	Yes	Yes	
XX-20	2-1-10	—	~~Yes~~ JDF 2-1-10	—	—	—	—	—	unable to locate - destroyed?
XX-19	2-1-10	9.38	Yes	Yes	Yes	No	Yes	Yes	
HIS-MW-2B	2-1-10	9.03	Yes	Yes	Yes	No	Yes	Yes	

JDF 2-1-2010

ARCADIS

Groundwater Sampling Form

Site Location: Fort Stewart/HAAF | Project No. GP08HAFS | **Well ID:** HIS-MW-01B
Date: 2-3-10 | Sampled By: JDF
Sampling Time: 1600 | Recorded By: JDF
Weather: Sunny, Warm | Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:	—	YSI 556, LaMotte 2020e 07E101699, ME13552

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 23
Depth to Water: 7.85
Water Column: 15.15
Gallons/Foot: 0.16
Gallons in Well: 2.42

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)
Screen Interval: From: 13 To: 23
Pump Intake Setting: 18 (Mid screen)
Volumes to be Purged: Low Flow
Total Volume Purged: 1.8 gallons
Pump On: 1528 Off: 1558

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~umhos/cm~~ mS/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
1533	5	200	0.2	7.90	8.98	5.17	0.108	19.92	-279.3	0.25	
1538	10	200	0.5	7.97	6.21	5.17	0.106	19.76	-283.9	0.25	
1543	15	200	0.8	7.97	0.98	5.17	0.105	19.71	-284.4	0.24	
1548	20	200	1.1	7.95	0.66	5.15	0.104	19.58	-288.9	0.19	
1553	25	200	1.5	7.95	0.33	5.14	0.104	19.52	-292.0	0.17	
1558	30	200	1.8	7.95	0.09	5.12	0.103	19.48	-304.6	0.14	

JDF 2-3-2010

Observations During Sampling

Well Condition: Good
Color: none
Odor: none

Purge Water Disposal: Drum
Turbidity(qualitative): —
Other (OVA, HNU,etc.): —

Constituents Sampled	Container Description: From Lab ____ ARCADIS ____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	H15-MW-01C
Date:	2-3-10	Sampled By:	JDF		
Sampling Time:	1650	Recorded By:	JDF		
Weather:	Sunny, warm	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		YSI 556, LaMotte 2020e 07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	30 To: 40
Total Depth:	40	Pump Intake Setting:	35 (Mid Screen)
Depth to Water:	8.20	Volumes to be Purged:	Low Flow
Water Column:	31.80	Total Volume Purged:	
Gallons/Foot:	0.16	Pump On:	1617 Off: 1647
Gallons in Well:	5.09		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or (ml))	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~umhos/cm~~ mS/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
1622	5	200	0.3	9.19	0.27	5.73	0.134	20.82	-243.5	0.53	
1627	10	200	0.5	9.25	0.02	5.74	0.134	20.86	-247.0	0.43	
1632	15	200	0.7	9.32	0.03	5.72	0.134	21.07	-256.1	0.22	
1637	20	200	1.0	9.38	0.72	5.72	0.134	21.15	-251.3	0.19	
1642	25	200	1.3	9.37	0.77	5.73	0.135	21.16	-248.7	0.16	
1647	30	200	1.6	9.35	0.61	5.71	0.135	21.00	-222.3	0.14	

JDF 2-3-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab	ARCADIS	Preservative
VOCs	40 mL vials		HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	MW-02B
Date:	2/4/10	Sampled By:	Erica Maddox		
Sampling Time:	0930	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	None		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Lamotte 2020e
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	15 To: 25
Total Depth:	25	Pump Intake Setting:	Mid screen 20'
Depth to Water:	8.95	Volumes to be Purged:	Low Flow
Water Column:	16.05	Total Volume Purged:	1.75
Gallons/Foot:	0.16	Pump On:	0850 Off: 0932
Gallons in Well:	2.57		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
0855	5	200	0.	9.0	31.4	6.34	107	19.63	54.5	2.16	
0900	10	200	0.5	9.0	16.9	6.25	109	20.65	65.9	1.65	
0905	15	200	0.75	9.0	7.23	6.21	109	20.94	74.3	1.45	
0910	20	200	1.0	9.0	6.01	6.20	109	21.03	79.6	1.37	
0915	25	200	1.25	9.0	5.75	6.18	108	21.04	86.9	1.31	
0920	30	200	1.5	9.0	4.12	6.18	108	21.06	88.1	1.34	
0925	35	200	1.75	9.0	3.36	6.19	108	21.09	88.7	1.33	

Erica Maddox 2/4/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA vial	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HGL-1B
Date:	2/2/10	Sampled By:	Erica Maddox		
Sampling Time:	1630	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	NONE		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556 Turbidimeter 2020
Serial #:	NA	R8740 R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	15 To: 25
Total Depth:	25.0	Pump Intake Setting:	Midscreen 20'
Depth to Water:	3.63	Volumes to be Purged:	Low Flow
Water Column:	21.37	Total Volume Purged:	2.2
Gallons/Foot:	0.16	Pump On:	1550 Off: 1633
Gallons in Well:	3.41		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1555	5	220	0.30	3.60	1.2	5.38	74	18.07	144.1	0.75	
1600	10	220	0.60	3.60	0.98	5.30	73	18.08	141.9	0.53	
1605	15	220	0.90	3.60	0.56	5.33	74	18.05	138.4	0.37	
1610	20	220	1.2	3.60	0.33	5.33	74	18.03	138.2	0.48	
1615	25	220	1.5	3.60	0.15	5.31	74	18.02	138.1	0.45	
1620	30	220	1.8	3.60	0.0	5.32	73	18.05	137.7	0.48	
1625	35	220	2.1	3.60	0.0	5.32	73	18.0	137.9	0.43	
					Erica Maddox			2/2/10			

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ✓ ARCADIS	Preservative
VOCs	40 mL VOA vials	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-1C
Date:	2/2/10	Sampled By:	Erica Maddox		
Sampling Time:	1720	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	None		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Lamotte Turbidimeter
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	30 To: 40
Total Depth:	40	Pump Intake Setting:	Mid screen 35'
Depth to Water:	9.3	Volumes to be Purged:	Low Flow
Water Column:	30.7	Total Volume Purged:	2.3
Gallons/Foot:	0.16	Pump On:	1637 Off: 1725
Gallons in Well:	4.91		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1640	5	220	0.3	9.39	10.03	6.18	119	17.47	59.7	0.81	
1645	10	220	0.6	9.39	5.11	6.26	119	17.97	40.9	0.54	
1650	15	220	0.9	9.39	4.08	6.24	121	18.18	33.5	0.49	
1655	20	220	1.2	9.40	3.61	6.26	123	18.36	27.1	0.43	
1700	25	220	1.5	9.40	2.15	6.26	123	18.42	24.5	0.38	
1705	30	220	1.8	9.40	0.96	6.26	122	18.45	21.2	0.38	
1710	35	220	2.1	9.39	1.16	6.26	123	18.47	18.9	0.37	
		~~gpm~~									

Erica Maddox 2/2/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ✓ ARCADIS	Preservative
DOCs	40mL VOA Vial	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-4B
Date:	2-2-10	Sampled By:	JDF		
Sampling Time:	1400	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI556, LaMotte 2020e
Serial #:		07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	15 To: 25
Total Depth:	25	Pump Intake Setting:	20 (Mid Screen)
Depth to Water:	4.25	Volumes to be Purged:	Low Flow
Water Column:	20.75	Total Volume Purged:	20 gallons
Gallons/Foot:	0.16	Pump On:	1328 Off: 1358
Gallons in Well:	3.32		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~µmhos/cm~~ mS/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
1333	5	200	0.3	4.40	0.41	5.08	0.150	20.41	-76.9	0.57	
1338	10	200	0.7	4.40	0.42	5.08	0.151	20.64	-138.0	0.24	
1343	15	200	1.0	4.40	0.40	5.08	0.151	20.74	-182.1	0.16	
1348	20	200	1.4	4.40	0.41	5.09	0.152	20.56	-216.9	0.12	
1353	25	200	1.7	4.38	0.35	5.08	0.152	20.70	-242.7	0.11	
1358	30	200	20	4.38	0.18	5.08	0.151	20.80	-264.3	0.08	
				JDF							
						2-2-10					

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	none	Turbidity(qualitative):	none
Odor:	none	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab / ARCADIS	Preservative
VOCs	40 mL vial	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location: Fort Stewart/HAAF | Project No. GP08HAFS | Well ID: HGL-4C
Date: 2-2-10 | Sampled By: JDF
Sampling Time: 1450 | Recorded By: JDF
Weather: overcast, cool | Duplicate/QA/QC: ~~DUP-1~~ DUP1-H15 (020210) JDF 2-2-10

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI556, LaMotte 2020e
Serial #:		07E101699, ME 13552

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 40
Depth to Water: 4.25
Water Column: 35.75
Gallons/Foot: 0.16
Gallons in Well: 5.72

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)
Screen Interval: From: 30 To: 40
Pump Intake Setting: 35 (Mid screen)
Volumes to be Purged: Low Flow
Total Volume Purged: 1.9 gallons
Pump On: 1414 Off: 1445

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or (ml))	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~µmhos/cm~~ mS/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
1419	5	200	0.2	4.34	0.20	5.23	0.069	20.80	-311.5	1.03	
1424	10	200	0.6	4.35	0.85	5.22	0.069	21.13	-323.2	0.36	
1429	15	200	1.0	4.34	0.12	5.23	0.069	21.21	-247.8	0.40	
1434	20	200	1.3	4.33	0.25	5.26	0.069	20.94	-278.1	0.21	
1439	25	200	1.6	4.35	0.56	5.22	0.068	20.85	-301.9	0.18	
1444	30	200	1.9	4.35	0.45	5.24	0.068	20.69	-312.9	0.18	

JDF 2-2-2010

Observations During Sampling

Well Condition: Good
Color: None
Odor: None

Purge Water Disposal: Drum
Turbidity(qualitative):
Other (OVA, HNU,etc.):

Constituents Sampled	Container Description: From Lab / ARCADIS	Preservative
VOCs	40 mL Vials	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-5B
Date:	2-3-10	Sampled By:	JDF		
Sampling Time:	1405	Recorded By:	JDF		
Weather:	sunny ~~overcast~~, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:	—	07E101699, ME 13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	14 To: 24
Total Depth:	24	Pump Intake Setting:	19 (Mid Screen)
Depth to Water:	1.36	Volumes to be Purged:	Low Flow
Water Column:	22.64	Total Volume Purged:	1.8 gallons
Gallons/Foot:	0.16	Pump On:	1329 Off: 1359
Gallons in Well:	3.62		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~umhos/cm~~ mS/cm)	Temp (°C or °F)	ORP* (mV)	Diss. Oxygen (mg/L)	Comments
1334	5	200	0.2	1.85	19.0	5.39	0.596	18.81	208.4	0.82	
1339	10	200	0.5	1.87	20.8	5.38	0.599	19.12	182.5	0.37	
1344	15	200	0.8	1.86	16.8	5.38	0.602	19.11	183.4	0.25	
1349	20	200	1.1	1.85	18.5	5.40	0.602	19.06	135.5	0.20	*
1354	25	200	1.5	1.88	5.18	5.41	0.602	19.27	434.6	0.18	
1359	30	200	1.8	1.87	5.46	5.42	0.601	19.44	504.0	0.15	

JDF 2-3-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	reddish orange particles
Odor:	None	Other (OVA, HNU,etc.):	

Constituents Sampled	Container Description: From Lab ____ ARCADIS ____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

* ORP appears inoperative, rapidly fluctuates from less than -500 to over 1000

ARCADIS

Groundwater Sampling Form

Site Location: Fort Stewart/HAAF | Project No. GP08HAFS | Well ID: HGL-5C
Date: 2-3-10 | Sampled By: JDF
Sampling Time: 1455 | Recorded By: JDF
Weather: sunny overcast, cool | Duplicate/QA/QC: DUP2-H15 (020310)

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:	—	07E101699, ME13552

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 39
Depth to Water: 1.38
Water Column: 37.62
Gallons/Foot: 0.16
Gallons in Well: 6.02

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)
Screen Interval: From: 29 To: 39
Pump Intake Setting: 34 (Mid Screen)
Volumes to be Purged: Low Flow
Total Volume Purged: 1.8 gallons
Pump On: 1420 Off: 1450

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or (ml))	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~umhos~~ ms/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
1425	5	200	0.2	1.70	3.09	5.77	0.292	18.76		1.20	
1430	10	200	0.5	1.68	2.29	5.80	0.300	19.04		0.66	
1435	15	200	0.8	1.68	5.19	5.78	0.307	19.20		0.32	
1440	20	200	1.2	1.68	3.12	5.77	0.311	19.28		0.26	
1445	25	200	1.5	1.68	0.54	5.79	0.312	19.37		0.21	
1450	30	200	1.8	1.68	2.66	5.78	0.313	19.38		0.19	

JDF - 2.3.2010

Observations During Sampling

Well Condition: Good
Color: None
Odor: None

Purge Water Disposal: Drum
Turbidity(qualitative):
Other (OVA, HNU,etc.):

Constituents Sampled	Container Description: From Lab / ARCADIS	Preservative
VOCs	40 mL Vials	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ORP appears inoperative

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HGL-6B
Date:	2-4-2010	Sampled By:	JDF		
Sampling Time:	1035	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:			

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		YSI 556, LaMotte 2020e
		07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer Peristaltic
Casing Diameter:	2"	Screen Interval: From:	15 To: 25
Total Depth:	25	Pump Intake Setting:	20' (Mid Screen)
Depth to Water:	7.08	Volumes to be Purged:	Low Flow
Water Column:	17.92	Total Volume Purged:	1.7 gallons
Gallons/Foot:	0.16	Pump On:	1003 Off: 1033
Gallons in Well:	2.87		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(µmhos/cm)~~ mS/cm	Temp (°C or °F)	ORP (mV)	Diss. Oxygen mg/L	Comments
1008	5	200	0.2	7.18	0.89	6.00	0.254	19.32	-228.7	0.98	
1013	10	200	0.5	7.19	0.17	6.05	0.252	19.79	-301.3	0.44	
1018	15	200	0.8	7.19	0.05	6.04	0.249	19.85	-334.2	0.32	
1023	20	200	1.1	7.19	0.04	6.04	0.245	19.77	-354.2	0.23	
1028	25	200	1.4	7.19	0.01	6.04	0.241	19.87	-365.1	0.20	
1033	30	200	1.7	7.19	0.06	6.04	0.238	19.99	-371.8	0.17	
			JDF		2-4-2010						

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	
Odor:	None	Other (OVA, HNU,etc.):	

Constituents Sampled	Container Description: From Lab _____ ARCADIS _____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-6C
Date:	2-4-2010	Sampled By:	JDF		
Sampling Time:	1125	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:	—	07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	30 To: 40
Total Depth:	40	Pump Intake Setting:	35 (Mid screen)
Depth to Water:	7.32	Volumes to be Purged:	Low Flow
Water Column:	32.68	Total Volume Purged:	1.7 gallons
Gallons/Foot:	0.16	Pump On:	1050 Off: 1120
Gallons in Well:	5.23		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or (mL))	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (mS/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
1055	5	200	0.3	8.21	4.99	5.57	0.077	19.49	-337.5	2.10	
1100	10	200	0.5	8.38	1.77	5.56	0.093	19.77	-345.5	0.80	
1105	15	200	0.8	8.39	3.59	5.59	0.105	19.81	-359.1	0.69	
1110	20	200	1.1	8.41	2.14	5.58	0.105	20.05	-370.0	0.43	
1115	25	200	1.4	8.41	3.55	5.59	0.107	20.19	-364.6	0.30	
1120	30	200	1.7	8.43	3.23	5.59	0.107	20.25	-365.1	0.25	

JDF 2-4-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab / ARCADIS	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HGL-7B
Date:	2-4-2010	Sampled By:	JDF		
Sampling Time:	0835	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	HGL-7B (0204/10) MS/MSD		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:		07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer Peristaltic
Casing Diameter:	2"	Screen Interval: From:	15 To: 25
Total Depth:	25	Pump Intake Setting:	20 (Mid screen)
Depth to Water:	8.72	Volumes to be Purged:	Low Flow
Water Column:	16.28	Total Volume Purged:	1.7 gallons
Gallons/Foot:	0.16	Pump On:	0800 Off: 0830
Gallons in Well:	2.60		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml/)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(µmhos/cm)~~ mS/cm	Temp ~~(°C or °F)~~	ORP (mV)	Diss. Oxygen mg/L	Comments
0805	5	200	0.3	8.78	27.4	5.64	0.074	19.45	-375.5	2.00	
0810	10	200	0.5	8.78	23.3	5.75	0.070	20.15	-415.0	1.42	
0815	15	200	0.8	8.79	15.6	5.74	0.068	20.31	-445.2	0.98	
0820	20	200	1.1	8.79	8.84	5.70	0.067	20.34	-436.1	0.94	
0825	25	200	1.4	8.79	7.92	5.68	0.067	20.40	-467.0	0.66	
0830	30	200	1.7	8.79	5.54	5.66	0.067	20.38	-476.4	0.49	

JDF 2-4-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Light grey - none	Turbidity(qualitative):	—
Odor:	none	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab _____ ARCADIS _____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-7C
Date:	2-4-2010	Sampled By:	JDF		
Sampling Time:	0930	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:	—	YSI 556, LaMotte 2020e / 07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer ~~Peristaltic~~
Casing Diameter:	2"	Screen Interval: From:	34 To: 44
Total Depth:	44	Pump Intake Setting:	39 (Mid Screen)
Depth to Water:	10.92	Volumes to be Purged:	Low Flow
Water Column:	33.08	Total Volume Purged:	17 gallons
Gallons/Foot:	0.16	Pump On:	0854 Off: 0924
Gallons in Well:	5.29		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(umhos/cm)~~ mS/cm	Temp (°C) or °F)	ORP (mV)	Diss. Oxygen mg/L	Comments
0859	5	200	0.3	11.60	5.60	5.78	0.085	20.12	-486.6	1.33	
0904	10	200	0.5	11.75	3.17	5.80	0.085	20.68	-423.8	0.43	
0909	15	200	0.8	11.72	5.10	5.80	0.086	20.44	-435.3	0.43	
0914	20	200	1.1	11.72	8.24	5.80	0.086	20.43	-449.8	0.31	
0919	25	200	1.4	11.72	3.09	5.80	0.087	20.39	-463.3	0.25	
0924	30	200	1.7	11.72	2.50	5.80	0.087	20.37	-468.3	0.20	

JDF 2-4-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab / ARCADIS	Preservative
VOCs	40 mL Vials	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-8B
Date:	2/2/10	Sampled By:	Erica Maddox		
Sampling Time:	0930	Recorded By:	Erica Maddox		
Weather:	Rain, Low 40's	Duplicate/QA/QC:	NONE		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020e
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	13.5 To: 23.5
Total Depth:	23.85	Pump Intake Setting:	Midscreen ≈18.5
Depth to Water:	4.0	Volumes to be Purged:	Low Flow
Water Column:	19.85	Total Volume Purged:	≈3
Gallons/Foot:	0.16	Pump On:	0835 Off: 0932
Gallons in Well:	3.18		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
0840	5	300	0	4.08	2.21	5.85	141	16.55	134.6	9.44	
0845	10	300	.5	4.08	0.24	5.92	136	16.94	98.2	1.55	
0850	15	300	.75	4.09	0.29	5.93	137	17.04	86.2	0.92	
0855	20	300	1.0	4.09	0.36	5.85	136	17.25	78.2	0.63	
0900	25	300	1.25	4.09	0.29	5.91	136	17.32	70.8	0.55	
0905	30	300	1.75	4.09	0.20	5.96	136	17.34	61.0	0.61	
0910	35	300	2.0	4.09	0.27	5.99	138	17.41	56.2	0.40	
0915	40	300	2.5	4.09	0.34	5.94	138	17.40	56.4	0.33	
0920	45	300	2.75	4.09	0.21	5.97	139	17.38	56.9	0.48	

Erica Maddox 2/2/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	NONE	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA vial	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-8C
Date:	2/2/10	Sampled By:	Erica Maddox		
Sampling Time:	1030	Recorded By:	Erica Maddox		
Weather:	Rain, 40's	Duplicate/QA/QC:	DUP3-H15		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556 Turbidimeter 2020e
Serial #:	NA	R8740 R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible	Centrifugal	Bladder / Bailer / (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	34	To:	44
Total Depth:	43.3	Pump Intake Setting:	Midscreen ≈ 39'		
Depth to Water:	9.49	Volumes to be Purged:	Low Flow		
Water Column:	33.81	Total Volume Purged:	3.5		
Gallons/Foot:	0.16	Pump On:	0935	Off:	1037
Gallons in Well:	5.41				

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
0940	5	300	0.5	9.60	0.95	5.75	92	18.37	58.7	0.59	
0945	10	300	1.0	9.60	1.79	5.80	80	19.0	44.6	0.51	
0950	15	300	1.25	9.60	1.91	5.86	87	19.12	40.7	0.41	
0955	20	300	1.5	9.60	2.06	5.89	80	19.22	35.0	0.92	
1000	25	300	1.75	9.60	1.88	5.84	71	19.23	34.2	0.43	
1005	30	320	2.0	9.60	1.65	5.83	69	19.20	30.8	0.51	
1010	35	320	2.5	9.60	1.22	5.83	69	19.21	32.6	0.86	
1015	40	320	3.0	9.60	0.83	5.81	69	19.23	32.7	0.86	
1020	45	320	3.5	9.60	0.79	5.82	69	19.24	33.8	0.60	

Erica Maddox 2/2/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	tiny brown particles
Odor:	None	Other (OVA, HNU,etc.):	— —

Constituents Sampled	Container Description: From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA vials	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HGL-9B
Date:	2/3/10	Sampled By:	Erica Maddox		
Sampling Time:	1455	Recorded By:	Erica Maddox		
Weather:	Sunny, 50's	Duplicate/QA/QC:	NONE		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020e
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	14 To: 24
Total Depth:	24	Pump Intake Setting:	Midscreen = 19'
Depth to Water:	6.79	Volumes to be Purged:	Low Flow
Water Column:	17.21	Total Volume Purged:	2.5
Gallons/Foot:	0.16	Pump On:	1355 Off: 1456
Gallons in Well:	2.75		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1400	5	300	0	7.18	26.7	4.53	111	20.11	169.2	11.80	
1405	10	300	.25	7.20	25.7	4.40	113	20.36	192.9	3.38	
1410	15	300	0.5	7.20	21.11	4.38	114	20.33	208.0	3.16	
1415	20	300	0.75	7.20	14.9	4.37	114	20.52	223.0	2.96	
1420	25	300	1.0	7.20	14.5	4.36	115	20.51	230.9	3.10	
1425	30	300	1.25	7.20	12.8	4.35	115	20.58	240.1	2.84	
1430	35	300	1.5	7.20	8.91	4.36	115	20.55	246.9	2.89	
1435	40	300	1.75	7.20	8.11	4.36	115	20.56	252.3	2.82	
1440	45	300	2.0	7.20	7.86	4.35	115	20.57	257.2	2.86	
1445	50	300	2.25	7.20	7.22	4.35	114	20.58	260.7	2.86	
1450	55	300	2.5	7.20	6.84	4.35	114	20.56	261.4	2.80	
		Erica Maddox 2/3/10									

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	NONE	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HGL-9C
Date:	2/3/10	Sampled By:	Erica Maddox		
Sampling Time:	1545	Recorded By:	Erica Maddox		
Weather:	Sunny, 50's	Duplicate/QA/QC:	NONE		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020e
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	29 To: 39
Total Depth:	39	Pump Intake Setting:	Mid screen 34
Depth to Water:	7.86	Volumes to be Purged:	Low Flow
Water Column:	31.14	Total Volume Purged:	2.9
Gallons/Foot:	0.16	Pump On:	1500 Off: 1546
Gallons in Well:	4.98		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1505	5	220	0.3	7.50	10.99	4.09	91	21.11	244.2	1.00	
1510	10	220	0.6	7.50	4.35	4.26	91	21.02	214.6	0.96	
1515	15	220	1.2	7.50	3.57	4.27	91	21.10	211.6	0.73	
1520	20	220	1.5	7.50	2.10	4.28	91	21.21	209.2	0.66	
1525	25	220	1.8	7.51	2.09	4.30	92	21.24	206.3	0.59	
1530	30	220	2.1	7.52	1.14	4.32	91	21.25	202.5	0.55	
1535	35	220	2.4	7.52	1.55	4.36	92	21.27	199.7	0.55	
1540	40	220	2.7	7.52	1.23	4.37	92	21.25	194.5	0.53	

Orion Maddox 2/3/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	orange color (light tint)
Odor:	NONE	Other (OVA, HNU,etc.):	— —

Constituents Sampled	Container Description From Lab ✓ ARCADIS	Preservative
VOCs	40 mL VOA vial	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HGL-10B
Date:	2-2-10	Sampled By:	JDF / JMT		
Sampling Time:	1630	Recorded By:	JDF / JMT		
Weather:	overcast, cool	Duplicate/QA/QC:			

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:		07E101699, ME 13552

Purging Information

Casing Material:	2"	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	PVC	Screen Interval: From:	15 To: 25
Total Depth:	25	Pump Intake Setting:	20 (Mid Screen)
Depth to Water:	2.68	Volumes to be Purged:	Low Flow
Water Column:	22.32	Total Volume Purged:	3.1 gallons
Gallons/Foot:	0.16	Pump On:	1530 Off: 1627
Gallons in Well:	3.57		

Field Parameter Measurements During Purging (Conductivity: mS/cm; Dissolved Oxygen: mg/L)

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (umhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1535	5	200	0.2	2.72	~~53.3~~	5.63	0.055	17.48	-421.5	2.91	
1540	10	200	0.4	2.70	61.0	5.65	0.055	17.71	-421.9	2.63	
1545	15	200	0.7	2.73	52.6	5.67	0.053	18.03	-415.9	3.13	
1550	20	200	1.0	2.72	34.4	5.63	0.053	18.20	-397.4	2.70	
1555	25	200	1.3	2.72	21.1	5.63	0.053	18.14	-371.4	2.38	
1600	30	200	1.7	2.72	26.1	5.59	0.051	18.13	-350.0	2.36	
1605	35	200	2.0	2.73	15.7	5.56	0.049	18.17	-334.1	2.43	
1610	40	200	2.35	2.74	13.4	5.54	0.049	18.23	-324.4	2.24	
1615	45	200	2.5	2.73	13.9	5.54	0.049	18.21	-315.9	2.25	
1620	50	200	2.8	2.72	10.50	5.54	0.049	18.11	-311.6	2.14	
1625	55	200	3.1	2.72	9.33	5.51	0.048	18.18	-305.8	2.22	
							JDF 2-2-2010				

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	reddish orange - none	Turbidity(qualitative):	—
Odor:	none	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ____ ARCADIS ____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-10C
Date:	2-2-2010	Sampled By:	JDF		
Sampling Time:	1720	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	HGL-10C (020210) MS/MSD		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, La Mo He 2020e
Serial #:		07E101699, ME13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	30 To: 40
Total Depth:	40	Pump Intake Setting:	35 (mid Screen)
Depth to Water:	2.67	Volumes to be Purged:	Low Flow
Water Column:	37.33	Total Volume Purged:	6.9 gallons
Gallons/Foot:	0.16	Pump On:	1648 Off: 1718
Gallons in Well:	5.97		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or (ml))	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(µmhos/cm)~~ mS/cm	Temp (°C) or °F)	ORP (mV)	Diss. Oxygen mg/L	Comments
1653	5	200	0.3	2.71	7.37	5.32	0.034	18.23	-355.5	3.97	
1658	10	200	0.7	2.71	2.40	5.32	0.034	18.32	-342.6	3.70	
1703	15	200	1.0	2.71	1.46	5.35	0.034	18.09	-351.9	3.55	
1708	20	200	1.3	2.71	5.07	5.35	0.035	18.00	-353.1	3.58	
1713	25	200	1.6	2.71	5.87	5.35	0.035	17.94	-352.4	3.35	
1718	30	200	1.9	2.71	5.09	5.35	0.036	17.78	-350.3	3.17	

JDF 2-2-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ____ ARCADIS ____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location: Fort Stewart/HAAF
Project No. GP08HAFS, H158. DGOFI Well ID: HGL-11B
Date: 2-2-2010
Sampled By: JDF
Sampling Time: 1030
Recorded By: JDF
Weather: overcast, rain, cool
Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
	N/A	YSI 556, Lamotte 2020e
Serial #:		07E101699, ME 13552

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 25
Depth to Water: 8.35
Water Column: 16.65
Gallons/Foot: 0.16
Gallons in Well: 2.66

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)
Screen Interval: From: 15 To: 25
Pump Intake Setting: 20 (Mid screen)
Volumes to be Purged: Low Flow
Total Volume Purged: 1.8 gallons
Pump On: ~~0858~~ 0945 Off: 1030
JDF 2-2-10

Field Parameter Measurements During Purging

JDF 2-2-10 Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(umhos/cm)~~ mS/cm	Temp (°C or °F)	ORP (mV)	Diss. Oxygen mg/L	Comments
0950 ~~0903~~	5	200	0.2	8.57	3.78	3.78	0.151	21.85	-106.7	1.58	
0955 ~~0908~~	10	200	0.4	8.59	32.3	3.97	0.151	21.92	-155.9	1.43	
1000	15	200	0.6	8.57	25.8	4.02	0.148	22.17	-213.4	1.47	
1005	20	200	0.8	8.57	18.3	4.15	0.146	22.14	-239.6	1.03	
1010	25	200	1.1	8.58	15.8	4.15	0.145	22.22	-260.4	0.96	
1015	30	200	1.3	8.59	13.4	4.35	0.143	22.43	-289.2	0.80	
1020	35	200	1.6	8.59	10.60	4.31	0.142	22.57	-310.1	0.67	
1025	40	200	1.8	8.58	8.76	4.38	0.142	22.53	-326.0	0.60	
					JDF		2-2-2010				

Observations During Sampling

Well Condition: Good
Color: None
Odor: None

Purge Water Disposal: Drum
Turbidity(qualitative): reddish orange particles @ beginning of purge
Other (OVA, HNU,etc.): —

Constituents Sampled	Container Description: From Lab / ARCADIS	Preservative
VOC	40 mL vials	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	HGL-11C
Date:	2-2-10	Sampled By:	JDF		
Sampling Time:	1125	Recorded By:	JDF		
Weather:	rainy, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:		07E101699, ME 13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	30 To: 40
Total Depth:	40	Pump Intake Setting:	35 (Mid Screen)
Depth to Water:	8.43	Volumes to be Purged:	Low Flow
Water Column:	31.57	Total Volume Purged:	~~1.0~~ 1.2 gallons
Gallons/Foot:	0.16	Pump On:	1052 Off:
Gallons in Well:	5.05		

Field Parameter Measurements During Purging

mS/cm mg/L

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~umhos/cm~~)	Temp (C or °F)	ORP (mV)	Diss. Oxygen	Comments
1057	5	200	0.2	9.07	17.7	6.19	0.103	21.70	-315.6	1.99	
1102	10	200	0.4	9.13	4.27	6.24	0.103	22.31	-338.0	1.30	
1107	15	200	0.6	9.20	4.57	6.26	0.105	22.67	-353.2	0.92	
1112	20	200	0.8	9.22	2.14	6.27	0.106	22.82	-363.4	0.73	
1117	25	200	1.0	9.33	3.72	6.26	0.108	23.00	-374.3	0.53	
1122	30	200	1.2	9.34	2.60	6.26	0.108	23.20	-380.9	0.44	

JDF 2-2-10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab / ARCADIS	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	XX-12
Date:	2/3/10	Sampled By:	Erica Maddox		
Sampling Time:	1020	Recorded By:	Erica Maddox		
Weather:	Cloudy	Duplicate/QA/QC:	NONE		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556 Turbidimeter 2020e
Serial #:	NA	R8740 R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	3/4"	Screen Interval: From:	2.0 To: 12.0
Total Depth:	12.3	Pump Intake Setting:	Midscreen ≈7.0
Depth to Water:	7.15	Volumes to be Purged:	Low Flow
Water Column:	5.15	Total Volume Purged:	1.75
Gallons/Foot:	0.62	Pump On:	0930 Off: 1022
Gallons in Well:	3.19		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
0940	10	300	0	NM	210	5.11	35	16.36	105.6	5.08	
0945	15	300	0.25	NM	58.2	5.03	35	16.75	121.9	5.09	
0950	20	300	0.5	NM	20.0	5.08	36	16.92	132.6	3.90	
0955	25	300	0.75	NM	5.29	5.11	36	16.97	137.1	3.86	
1000	30	300	1.0	NM	3.48	5.13	37	17.12	143.5	3.70	
1005	35	300	1.25	NM	2.53	5.18	37	17.09	146.5	3.78	
1010	40	300	1.50	NM	2.34	5.20	37	17.11	149.3	3.71	
1015	45	300	1.75	NM	2.07	5.20	37	17.10	151.4	3.71	
* Water level was not measured during purging because the well diameter was too small for the 1' water level meter + tubing.											

Erica Maddox 2/3/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA vial	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	XX-15
Date:	2/2/10	Sampled By:	Erica Maddox		
Sampling Time:	1530	Recorded By:	Erica Maddox		
Weather:	Cloudy, Mid 40's	Duplicate/QA/QC:	None		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020e
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	3/4"	Screen Interval: From:	1.9 To: 11.9
Total Depth:	11.9	Pump Intake Setting:	Midscreen = 6'
Depth to Water:	4.28	Volumes to be Purged:	Low Flow
Water Column:	7.62	Total Volume Purged:	3.0
Gallons/Foot:	0.62	Pump On:	1120 Off: 1533
Gallons in Well:	4.72		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1135	5	220	0.3	NM	47.9	5.58	99	14.73	109.3	8.41	
1140	10	220	0.6	NM	10.29	5.58	101	14.86	113.5	2.56	
1145	15	220	0.9	NM	6.49	5.54	100	15.04	119.4	2.11	
1150	20	220	1.2	NM	2.10	5.56	100	15.14	122.8	1.94	
Battery died to peristaltic pump.											
1500	25	220	1.5	NM	8.85	5.60	97	14.41	139.9	2.98	
1505	30	220	1.8	NM	5.30	5.61	102	14.76	148.3	2.09	
1510	35	220	2.1	NM	3.11	5.60	102	14.91	153.1	1.90	
1515	40	220	2.4	NM	2.18	5.58	102	14.94	159.1	1.86	
1520	45	220	2.7	NM	1.07	5.58	102	14.92	162.7	1.81	
1525	50	220	3.0	NM	0.83	5.58	102	14.90	163.9	1.80	
*Water level was not measured due to the size of the well and water level size.											

E. Maddox 2/2/10

Observations During Sampling

Well Condition:	Good (Bolts stripped)	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA vial	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	XX-17
Date:	2/4/10	Sampled By:	Erica Maddox		
Sampling Time:	1150	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	None		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020c
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	40 To: 45
Total Depth:	46	Pump Intake Setting:	Midscreen 42
Depth to Water:	5.88	Volumes to be Purged:	Low Flow
Water Column:	40.12	Total Volume Purged:	2.25
Gallons/Foot:	0.16	Pump On:	1105 Off: 1151
Gallons in Well:	6.42		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1110	5	300	0.0	5.91	4.84	7.58	242	17.86	31.3	2.44	
1115	10	300	0.50	5.91	2.02	7.25	236	19.18	-11.2	0.33	
1120	15	300	0.75	5.91	1.91	7.21	231	19.54	-21.5	0.21	
1125	20	300	1.0	5.91	0.70	7.18	229	19.70	-28.4	0.17	
1130	25	300	1.5	5.91	1.20	7.17	227	19.80	-27.8	0.10	
1135	30	300	1.75	5.91	0.78	7.17	226	19.76	-30.9	0.10	
1140	35	300	2.0	5.91	0.69	7.17	226	19.74	-33.5	0.11	
1145	40	300	2.25	5.91	0.45	7.16	225	19.76	-34.6	0.09	

Erica Maddox 2/4/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab ✓ ARCADIS	Preservative
VOCs	40 mL VOA vial	HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	XX-18
Date:	2/3/10	Sampled By:	Erica Maddox		
Sampling Time:	0855	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	None		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020e
Serial #:	NA	RB740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	40 To: 45
Total Depth:	47.0	Pump Intake Setting:	Midscreen 42
Depth to Water:	11.8	Volumes to be Purged:	Low Flow
Water Column:	35.2	Total Volume Purged:	2.25
Gallons/Foot:	0.16	Pump On:	0800 Off: 0900
Gallons in Well:	5.63		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
0805	5	190	0	12.20	11.4	5.41	138	18.73	171.5	2.75	
0810	10	190	0.25	12.20	9.47	5.75	100	19.18	145.4	0.74	
0815	15	190	0.50	12.22	5.11	5.91	97	20.09	121.9	0.40	
0820	20	190	0.75	12.22	8.80	5.96	97	20.39	81.5	0.50	
0825	25	190	1.0	12.22	7.90	5.98	98	20.47	63.4	0.33	
0830	30	190	1.25	12.22	6.32	5.96	96	20.48	51.7	0.22	
0835	35	190	1.50	12.22	5.50	5.95	96	20.58	42.9	0.19	
0840	40	190	1.75	12.22	6.57	5.93	95	20.65	37.8	0.16	
0845	45	190	2.0	12.22	6.51	5.93	95	20.71	33.0	0.15	
0850	50	190	2.25	12.22	6.05	5.91	94	20.67	30.7	0.14	
					Erica Maddox 2/3/10						

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description From Lab ✓ ARCADIS	Preservative
VOCs	40mL VOA vial	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	XX-19
Date:	2/4/10	Sampled By:	Erica Maddox		
Sampling Time:	1050	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	MS/MSD		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)	
		YSI 556	Turbidimeter 2020
Serial #:	NA	R8740	R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	37 To: 42
Total Depth:	43	Pump Intake Setting:	Midscreen 39'
Depth to Water:	9.28	Volumes to be Purged:	Low Flow
Water Column:	33.72	Total Volume Purged:	3.0
Gallons/Foot:	0.16	Pump On:	0955 Off: 1050
Gallons in Well:	5.40		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1000	5	220	0.3	9.75	29.2	6.45	83	19.80	109.3	2.65	
1005	10	220	0.6	9.80	20.2	6.39	76	21.29	99.9	2.05	
1010	15	220	0.9	9.80	14.8	6.36	76	21.48	101.5	1.99	
1015	20	220	1.2	9.80	11.4	6.27	76	21.17	104.7	2.00	
1020	25	220	1.5	9.80	9.6	6.10	75	20.93	65.3	0.60	
1025	30	220	1.8	9.80	5.1	6.06	73	20.84	61.8	0.62	
1030	35	220	2.1	9.80	4.8	6.03	72	20.77	55.2	0.59	
1035	40	220	2.4	9.80	3.4	6.01	72	20.77	55.4	0.57	
1040	45	220	2.7	9.80	2.10	6.02	72	20.78	55.5	0.56	
1045	50	220	3	9.80	2.01	6.03	72	20.78	54.5	0.54	
		Erica Maddox 2/4/10									

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	--
Odor:	None	Other (OVA, HNU,etc.):	--

Constituents Sampled	Container Description From Lab V ARCADIS	Preservative
40 mL VOA vial	40mL VOA vial	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	XX-21
Date:	2/4/10	Sampled By:	Erica Maddox		
Sampling Time:	0835	Recorded By:	Erica Maddox		
Weather:	Cloudy 40's	Duplicate/QA/QC:	NONE		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556 Turbidimeter 2020e
Serial #:	NA	RB740 R7369

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	42.9 To: 47.9
Total Depth:	49	Pump Intake Setting:	Midscreen 45.9'
Depth to Water:	9.68	Volumes to be Purged:	Low Flow
Water Column:	39.32	Total Volume Purged:	2.0
Gallons/Foot:	0.16	Pump On:	0745 Off: 0837
Gallons in Well:	6.29		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
0750	5	190	0	11.04	4.28	6.45	95	19.83	-42.7	4.67	
0755	10	190	0.25	11.04	1.04	6.21	86	21.28	-39.1	0.45	
0800	15	190	0.5	11.06	0.71	6.21	84	21.90	-25.2	0.28	
0805	20	190	0.75	11.06	0.39	6.20	83	22.32	-15.0	0.33	
0810	25	190	1.0	11.06	0.45	6.19	83	22.47	-13.0	0.20	
0815	30	190	1.25	11.06	0.34	6.17	83	22.60	-9.7	0.13	
0820	35	190	1.5	11.06	0.21	6.16	83	22.57	-9.4	0.11	
0825	40	190	1.75	11.06	0.0	6.16	83	22.54	-9.9	0.10	
0830	45	190	2.0	11.06	0.0	6.16	83	22.60	-9.9	0.09	

Erica Maddox 2/4/10

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	—
Odor:	NONE	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab	Container Description: ARCADIS	Preservative
VOCs	40 mL VOA Vial		HCL

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	XX-25
Date:	2-3-10	Sampled By:	JDF		
Sampling Time:	0855	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
	—	YSI 556, LaMotte 2020e
Serial #:		07E/01699, ME 13552

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer **Peristaltic**
Casing Diameter:	2"	Screen Interval: From:	29 To: 34
Total Depth:	34	Pump Intake Setting:	32 (Mid Screen)
Depth to Water:	5.87	Volumes to be Purged:	Low Flow
Water Column:	28.13	Total Volume Purged:	3.0 gallons
Gallons/Foot:	0.16	Pump On:	0802 Off: 0852
Gallons in Well:	4.50		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(µmhos/cm)~~ mS/cm	Temp (°C or °F)	ORP (mV)	Diss. Oxygen mg/L	Comments
0807	5	200	0.3	6.38	29.3	5.74	0.055	18.85	109.2	5.16	
0812	10	200	0.5	6.42	26.4	5.88	0.053	19.71	89.6	4.48	
0817	15	200	0.8	6.42	21.8	5.90	0.053	19.96	75.8	4.12	
0822	20	200	1.2	6.42	22.1	5.85	0.053	20.30	53.6	3.43	
0827	25	200	1.4	6.46	21.0	5.79	0.053	20.46	37.6	3.10	
0832	30	200	1.7	6.48	19.2	5.73	0.053	20.71	24.1	2.70	
0837	35	200	2.0	6.51	17.1	5.68	0.053	20.91	19.0	2.31	
0842	40	200	2.3	6.53	12.7	5.63	0.053	20.96	13.8	2.16	
0847	45	200	2.7	6.56	13.3	5.57	0.053	21.16	15.8	1.67	
0852	50	200	3.0	6.58	8.22	5.55	0.053	21.22	10.2	1.58	
					JDF 2-3-10						

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	reddish orange - none	Turbidity(qualitative):	reddish orange particles
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab ____ ARCADIS ____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	**Well ID:**	XX-26 (3-D)
Date:	2-3-10	Sampled By:	JDF		
Sampling Time:	1105	Recorded By:	JDF		
Weather:	overcast, cool	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:	—	YSI 556, LaMotte 2020e 07E101699, ME 13552

Purging Information

Casing Material:	2" PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:		Screen Interval: From:	37.4 To: 42.3
Total Depth:	42.3	Pump Intake Setting:	40 (Mid Screen)
Depth to Water:	8.95	Volumes to be Purged:	Low Flow
Water Column:	33.35	Total Volume Purged:	2.6 gallons
Gallons/Foot:	0.16	Pump On:	1021 Off: 1101
Gallons in Well:	5.34		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or (ml))	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity ~~(umhos/cm)~~ mS/cm	Temp (°C or °F)	ORP (mV)	Diss. Oxygen mg/L	Comments
1026	5	200	0.3	9.24	3.54	5.72	0.134	20.34	-309.6	3.17	
1031	10	200	0.5	9.27	3.20	5.74	0.134	20.47	-316.7	2.92	
1036	15	200	0.7	~~11.4~~ 9.29	11.4	5.74	0.133	20.63	-320.3	2.64	
1041	20	200	1.1	9.29	14.9	5.73	0.133	20.68	-318.1	2.35	
1046	25	200	1.5	9.29	10.34	5.66	0.130	20.70	-321.6	1.63	
1051	30	200	1.9	9.29	12.0	5.52	0.125	20.76	-327.0	0.74	
1056	35	200	2.3	9.27	12.7	5.51	0.125	20.72	-330.6	0.71	
1101	40	200	2.6	9.27	7.11	5.50	0.125	20.65	-333.6	0.78	

JDF 2-3-2010

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	None	Turbidity(qualitative):	—
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab	ARCADIS	Preservative
VOCs	40 mL vials		HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

(1-5)

Site Location: Fort Stewart/HAAF | Project No. GP08HAFS | Well ID: XX-26 (Shallow)

Date: 2-3-10 | Sampled By: JDF

Sampling Time: 1000 | Recorded By: JDF

Weather: overcast, cool | Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556, LaMotte 2020e
Serial #:	—	07E101699, ME15552

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 28.7

Depth to Water: 6.10

Water Column: 22.60

Gallons/Foot: 0.16

Gallons in Well: 3.62

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)

Screen Interval: From: 23.7 To: 28.7

Pump Intake Setting: 25 (Mid Screen)

Volumes to be Purged: Low Flow

Total Volume Purged: 1.8 gallons

Pump On: 0927 Off: 0957

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (~~umhos/cm~~ mS/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen (mg/L)	Comments
0932	5	200	0.2	6.42	0.79	5.37	0.124	18.13	-307.9	0.75	
0937	10	200	0.4	6.44	1.80	5.39	0.124	18.74	-313.0	0.40	
0942	15	200	0.8	6.44	1.16	5.41	0.125	18.99	-322.7	0.30	
0947	20	200	1.1	6.42	1.16	5.43	0.125	19.25	-328.7	0.28	
0952	25	200	1.5	6.40	1.74	5.44	0.126	19.34	-333.9	0.21	
0957	30	200	1.8	6.42	1.39	5.45	0.127	19.37	-338.6	0.18	

JDF 2-3-2010

Observations During Sampling

Well Condition: Good

Color: None

Odor: None

Purge Water Disposal: Drum

Turbidity(qualitative): —

Other (OVA, HNU,etc.): —

Constituents Sampled	Container Description: From Lab ____ ARCADIS ____	Preservative
VOCs	40 mL vials	HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

WATER SAMPLING LOG

Project No. GP08HAFS.H15B.DG00F1 Date 4-12-10

Site Location: HAA-15 Monitoring Well Number XX-13

Rep./Field Blank No. — Sample Collection Time 1145

Weather Clear, 65° Sampling Method Low Flow P. Pump

Evacuation Data:

Depth to bottom of well (ft bls) 12.0 ft. Casing stick-up above concrete (feet) N/A-flush

Depth to water from top of casing 4.18ft Screened Interval (ft bls) 2-12

Water Column 7.82 (ft) Gallons in well 0.3 gall. Casing Diameter: 3/4"

Evacuation Volume (x 3) = ~1.0 gallon Casing Volume 1"=0.04 gal gal/ft 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1120	—	16.24	7.14	6.21	0.088	83.4	86.6	N/A
1125	~0.3	16.06	5.29	2.02	0.092	81.0	79.6	N/A
1130	~0.6	16.00	4.70	1.83	0.090	18.6	87.2	N/A
1135	~0.9	16.18	4.55	1.56	0.088	8.53	99.6	N/A
1140	~1.2	16.05	4.42	1.33	0.087	4.76	100.3	N/A
~~1145~~ 1145	~1.5	15.95	4.43	1.28	0.086	3.91	102.1	N/A
~~1200~~								

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260B	3-40mL VOAs	HCL

Remarks —

Sampling Personnel C. Forman

ARCADIS

WATER SAMPLING LOG

Project No. 60BHAFS.H15B.DGFF1 Date 4-12-10

Site Location: HAA-15 Monitoring Well Number H15-MW-02C

Rep./Field Blank No. — Sample Collection Time 1540

Weather Sunny, 75° Sampling Method Low Flow

Evacuation Data:

Depth to bottom of well (ft bls) 43.63 Casing stick-up above concrete (feet) —

Depth to water from top of casing 9.91 Screened Interval (ft bls) 35-45

Water Column 33.72 (ft) Gallons in well 5.5 Casing Diameter: 2 inch

Evacuation Volume (x 3) = ~16.5 Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1515	—	22.66	5.85	2.91	0.051	12.1	60.7	—
1520	0.3	22.62	5.79	0.87	0.051	10.6	62.3	—
1525	0.6	22.77	5.78	0.57	0.050	7.95	60.6	—
1530	0.9	22.87	5.78	0.40	0.050	7.55	59.8	—
1535	1.2	23.01	5.79	0.31	0.050	7.42	58.1	—
1540	1.5	23.06	5.75	0.28	0.050	7.29	57.1	—

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs-8260B	3-40mL VOAs	HCl

Remarks —

Sampling Personnel C. Forman

ARCADIS

WATER SAMPLING LOG

Project No. GP08HAFS.H15B.D60F1 Date 4-12-10

Site Location: HAA-15 Monitoring Well Number H15-MW-03B

Rep./Field Blank No. — Sample Collection Time 1230

Weather Sunny, 65° Sampling Method Low Flow.

Evacuation Data:

Depth to bottom of well (ft bls) 22.98 Casing stick-up above concrete (feet) — flush

Depth to water from top of casing 8.82 Screened Interval (ft bls) 35-45 feet

Water Column 14.16 (ft) Gallons in well 2.30 Casing Diameter: 2"

Evacuation Volume (x 3) = 6.9 gal. Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1205	—	20.77	5.51	5.71	0.231	74.2	118	—
1210	0.3	20.59	5.73	~~0.56~~	0.235	77.8	85.1	—
1215	0.6	20.61	5.78	0.92	0.236	61.5	67.6	—
1220	0.9	2065	5.85	0.61	0.238	50.5	62.2	—
1225	1.2	20.51	5.92	0.42	0.239	36.1	56.4	—
1230	1.5	20.53	5.97	0.39	0.239	24.9	55.2	—

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260M	3-40mL VOAs	HCl

Remarks —

Sampling Personnel C. Forman

ARCADIS

WATER SAMPLING LOG

Project No. GROBHAFS.H15B.DGPF1 Date 4-12-10

Site Location: HAA-15 Monitoring Well Number H15-MW-03C

Rep./Field Blank No. — Sample Collection Time 1400, 1405

Weather Sunny, 75° Sampling Method Low Flow

Evacuation Data:

Depth to bottom of well (ft bls) 44.99 Casing stick-up above concrete (feet) —

Depth to water from top of casing 9.38 Screened Interval (ft bls) 35-45

Water Column 35.61 (ft) Gallons in well 5.80 Casing Diameter: 2-inch

Evacuation Volume (x 3) = ~17.4 Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1335	—	22.55	6.16	9.73	0.192	6.20	-0.2	—
1340	0.3	21.74	5.76	1.58	0.183	3.43	7.3	—
1345	0.6	21.79	5.72	1.25	0.181	2.96	-2.9	—
1350	0.9	21.69	5.70	0.66	0.180	3.01	-2.8	—
1355	1.2	21.74	5.69	0.50	0.179	3.12	-1.9	—
1400	1.5	21.81	5.70	0.49	0.179	3.15	-1.7	—

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260B	3-40mL VOAs	HCL
Dup - "	"	"

Remarks Duplicate Sample DUP-1 (041210)

Sampling Personnel C. Fonnen

ARCADIS

WATER SAMPLING LOG

Project No. 6P08HAFS.H15B.DG0F1

Date 4-12-10

Site Location: HA4-15

Monitoring Well Number H15-MW-04C

Rep./Field Blank No. —

Sample Collection Time 1445

Weather Sunny, 75°

Sampling Method Low Flow

Evacuation Data:

Depth to bottom of well (ft bls) 45.31

Casing stick-up above concrete (feet) —

Depth to water from top of casing 11.36

Screened Interval (ft bls) 35-45

Water Column 33.95 (ft) Gallons in well ~5.5

Casing Diameter: 2-inch

Evacuation Volume (x 3) = ~16.6

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1420	—	23.59	5.41	5.27	0.056	4.42	56.2	—
1425	0.3	23.74	5.56	1.08	0.050	3.51	21.5	—
1430	0.6	23.27	5.54	0.65	0.049	4.60	-10.0	—
1435	0.9	23.23	5.63	0.52	0.050	2.91	-14.2	—
1440	1.2	23.27	5.60	0.42	0.053	2.05	-17.5	—
1445	1.5	23.31	5.42	0.38	0.054	2.21	-21.0	—

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260B	3-40mL VOAs	HCl

Remarks —

Sampling Personnel C. Fornea

ARCADIS

WATER SAMPLING LOG

Project No. GP08HAFS. H15B. DGØFI

Date 5/13/10

Site Location: Hunter AAF HAA-15

Monitoring Well Number H15-MW-05C

Rep./Field Blank No. ———

Sample Collection Time 1021

Weather Clear, 75°

Sampling Method Low Flow

Evacuation Data:

Depth to bottom of well (ft bls) 44.92

Casing stick-up above concrete (feet) ———

Depth to water from top of casing 8.78

Screened Interval (ft bls) 35-45 ft

Water Column 36.14 (ft) Gallons in well ~5.89

Casing Diameter: 2-inch

Evacuation Volume (x 3) = Low Flow

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1003	Static	25.21	7.98	19.12	215	>1000	1.6	—
1006	0.3	23.59	7.52	0.52	193	>1000	-14.8	—
1009	0.6	23.46	6.59	0.34	168	>1000	29.3	—
1012	0.9	23.29	6.32	0.29	154	1100	42.9	—
1015	1.2	23.19	6.44	0.28	154	200	43.6	8.81
1018	1.5	23.12	6.31	0.27	152	120	45.7	—
1021	1.8	23.11	6.27	0.28	149	90	45.3	—

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260	3-~~6~~10 mL VOAs	HCl
	3-40 mL VOAs	HCl
	(MS/MSD)	

Remarks MS/MSD sample (3 add'l. VOAs

Sampling Personnel C. Forman

ARCADIS

WATER SAMPLING LOG

Project No. GP08HAFS.H15B.DGØFI

Date 5-13-10

Site Location: HAAF - Savannah, GA

Monitoring Well Number H15-MW-06C

Rep./Field Blank No. —

Sample Collection Time 0735

Weather Clear, 65°

Sampling Method Low Flow w/Flow Cell

Evacuation Data:

Depth to bottom of well (ft bls) 45.38

Casing stick-up above concrete (feet) —

Depth to water from top of casing 9.30

Screened Interval (ft bls) 35-45 ft.

Water Column 36.08 (ft) Gallons in well ~5.88

Casing Diameter: 2-inch

Evacuation Volume (x 3) = Low Flow

Casing Volume 1"=0.04 gal gal/ft 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
0717	Static	21.24	8.35	10.71	405	650	134.1	—
0720	0.2	21.21	8.93	1.29	303	100	110.0	—
0723	0.4	21.22	8.71	0.80	281	31	124.7	9.74
0726	0.6	21.24	8.58	0.61	275	25	133.1	—
0729	0.8	21.25	8.51	0.53	273	19	136.6	—
0732	1.0	21.25	8.45	0.47	272	16	137.4	9.74

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260B	3-40mL VOAs	HCl

Remarks —

Sampling Personnel C. Forman

ARCADIS

WATER SAMPLING LOG

Project No. GP08HAFS, HISB, DGØF1

Date 5-13-10

Site Location: HAA-15

Monitoring Well Number HIS-MW-07B

Rep./Field Blank No. —

Sample Collection Time 1115 / 1120

Weather Sunny, 80°

Sampling Method Low Flow

Evacuation Data:

Depth to bottom of well (ft bls) 25.00

Casing stick-up above concrete (feet) —

Depth to water from top of casing 9.71

Screened Interval (ft bls) 15-25

Water Column 15.29 (ft) Gallons in well ~2.5

Casing Diameter: 2-inch

Evacuation Volume (x 3) = ~7.5

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Low Flow

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1054	Static	24.53	6.58	15.01	167	>1000	78.6	9.71
1057	0.3	22.41	5.95	0.62	114	450	91.2	—
1100	0.6	21.84	5.56	0.50	94	150	110.2	—
1103	0.9	21.67	5.54	0.32	92	160	114.2	9.89
1106	1.2	21.69	5.54	0.30	92	150	115.7	—
1109	1.5	21.70	5.53	0.28	92	170	117.1	—
1112	1.8	21.74	5.55	0.26	92	150	119.0	9.91

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260	6 - 40mL VOAs	HCl

Remarks Duplicate sample DUP-1 (051310) taken @ 1120.

Sampling Personnel C. Forman

ARCADIS

WATER SAMPLING LOG

Project No. GP08HAFS.H15B.DEØFI

Date 5-13-10

Site Location: HAA-15

Monitoring Well Number H15-MW-07C

Rep./Field Blank No. —

Sample Collection Time 1145

Weather Sunny, 80°

Sampling Method Low Flow

Evacuation Data:

Depth to bottom of well (ft bls) 44.95

Casing stick-up above concrete (feet) —

Depth to water from top of casing 9.44

Screened Interval (ft bls) 35-45

Water Column 35.51 (ft) Gallons in well ~5.78

Casing Diameter: 2-inch

Evacuation Volume (x 3) = Low Flow

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
1127	Static	24.70	6.53	14.24	190	170	53.2	—
1130	0.3	22.78	6.61	0.96	194	110	30.6	—
1133	0.6	22.75	6.60	0.49	191	90	32.4	—
1136	0.9	22.67	6.60	0.36	188	85	33.1	11.62
1139	1.2	22.68	6.61	0.30	187	80	33.2	—
1142	1.5	22.74	6.63	0.29	185	75	30.6	11.91

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs - 8260B	3-40mL VOAs	HCl

Remarks —

Sampling Personnel C. Foman

ARCADIS

Groundwater Sampling Form

Site Location: HAA-15 Fort Stewart/HAAF
Date: 6-15-2010
Sampling Time: 1455
Weather: Sunny, hot

Project No. GP08HAFS
Sampled By: JDF
Recorded By: JDF
Duplicate/QA/QC: —

Well ID: MW-05B

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556 / LaMotte 2020
Serial #:	✓	06L1239AV / 1560-0100

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 24
Depth to Water: 8.80
Water Column: 15.20
Gallons/Foot: 0.16
Gallons in Well: 2.43

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
Screen Interval: From: 14 To: 24
Pump Intake Setting: Mid screen
Volumes to be Purged Low flow
Total Volume Purged
Pump On: 1333 Off:

Field Parameter Measurements During Purging

mg/L

Time	Minutes Elapsed	Rate (gpm or ml/min)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss Oxygen	Comments
1338	5	200	0.2	8.87	140	5.57	104	26.11	45.0	0.81	—
1343	10	200	0.4	8.87	871	5.34	100	25.21	57.9	0.37	—
1348	15	200	0.6	8.87	545	5.33	100	25.56	59.6	0.22	—
1353	20	200	0.8	8.87	242	5.40	104	25.68	56.9	0.19	—
1358	25	200	1.0	8.88	193	5.53	105	25.60	68.4	0.60	—
1403	30	200	1.2	8.88	312	5.33	99	25.30	67.2	0.21	—
1408	35	200	1.4	8.88	391	5.38	95	25.44	54.4	0.15	—
1413	40	200	1.6	8.88	281	5.36	93	24.65	48.8	0.13	—
1418	45	200	1.8	8.88	842	5.32	99	24.64	45.0	0.11	—
1423	50	200	2.0	8.88	142	5.26	92	24.30	57.0	0.41	—
1428	55	200	2.2	8.88	118	5.24	92	24.07	50.3	0.17	—
1433	60	200	2.4	8.88	80.7	5.22	91	24.01	45.1	0.14	—
1438	65	200	2.6	8.88	60.4	5.22	90	23.98	40.5	0.11	—
1443	70	200	2.8	8.88	44.9	5.22	89	23.82	32.6	0.08	—
1448	75	200	3.0	8.87	43.3	5.23	90	23.54	23.0	0.09	—

Observations During Sampling

Well Condition: Good
Color: Light gray/None
Odor: None

Purge Water Disposal: Drum
Turbidity(qualitative): None
Other (OVA, HNU,etc.): None

Constituents Sampled	Container Description From Lab	Container Description ARCADIS	Preservative
VOCs	3x	40mL glass vial	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

HAA-15

Site Location: Fort Stewart/HAAF
Date: 6-15-2010
Sampling Time: 1455
Weather: Sunny, hot

Project No. GP08HAFS
Sampled By: JDF
Recorded By: JDF
Duplicate/QA/QC:

Well ID: MW-05B Page 2 of 2

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
		YSI 556 / LaMotte 2020
Serial #:	—	06L1239AV / 1560-0100

Purging Information

Casing Material: PVC
Casing Diameter: 2"
Total Depth: 24
Depth to Water: 8.80
Water Column: 15.20
Gallons/Foot: 0.16
Gallons in Well: 2.43

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)
Screen Interval: From: 14 To: 24
Pump Intake Setting: Mid Screen
Volumes to be Purged: Low Flow
Total Volume Purged:
Pump On: 1333 Off:

Field Parameter Measurements During Purging

mg/L

Time	Minutes Elapsed	Rate (gpm or ml/min)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1453	80	200	3.2	8.87	42.3	5.23	91	23.45	21.9	0.08	—

JDF 6-15-2010

Observations During Sampling

Well Condition: Good
Color: Light gray - tan
Odor: None

Purge Water Disposal: Drum
Turbidity(qualitative): None - contacted PM regarding
Other (OVA, HNU,etc.): None Turbidity stable @ ~43 NTU

Constituents Sampled	Container Description (From Lab: Shealy / ARCADIS)	Preservative
VOCs	3X 40 mL glass vial	HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HIS-MW-10C
Date:	8/11/11	Sampled By:	Allison Fang		
Sampling Time:	1400	Recorded By:	Allison Fang		
Weather:	Hot, sunny, mid-90s	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	~~PID~~ YSI 556	Water Quality Meter(s) YSI 10B101571
Serial #:		

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible	Centrifugal	Bladder	Bailer	Peristaltic
Casing Diameter:	2"	Screen Interval: From:	35	To:	45		
Total Depth:	45	Pump Intake Setting:					
Depth to Water:	11.90	Volumes to be Purged:					
Water Column:	33.10	Total Volume Purged:					
Gallons/Foot:		Pump On:	1328	Off:			
Gallons in Well:	5.3						

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1328											
1333	5	0.04	0.2	12.52	Light turbidity	6.00	295	25.02	-201.3	1.06	
1338	10	0.04	0.4	12.38	Slightly turbid	5.98	291	25.77	-204.2	0.38	
1343	15	0.04	0.6	12.31	Slightly turbid	5.97	278	26.01	-208.6	0.42	
1348	20	0.04	0.8	12.24	Clear	5.98	278	25.95	-207.5	0.28	
1353	25	0.04	1.0	12.25	Clear	5.98	278	25.94	-208.2	0.27	
1358	30	0.04	1.2		Clear	5.98	279	25.84	-208.4	0.27	
				8/11/11							
				Sampled @ 1400 by Allison Fang							

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	
Color:		Turbidity(qualitative):	
Odor:		Other (OVA, HNU,etc.):	

Constituents Sampled	Container Description From Lab ____ ARCADIS ____	Preservative
VOCs		HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

No turbidity meter, qualitative observations made

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HS-MW-13C
Date:	8/12/11	Sampled By:	Allison Fang		
Sampling Time:	818	Recorded By:	Allison Fang		
Weather:	Overcast, 80s	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID YSI 556	Water Quality Meter(s)
Serial #:		YSI 10B101571

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible Centrifugal Bladder Bailer (Peristaltic)
Casing Diameter:	2"	Screen Interval: From:	35 To: 45
Total Depth:	45'	Pump Intake Setting:	
Depth to Water:	7.81	Volumes to be Purged:	
Water Column:	37.69	Total Volume Purged:	
Gallons/Foot:		Pump On:	747 Off:
Gallons in Well:	6.03		

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
747											
752	5	0.04	0.2	7.71	Clear	6.05	604	25.88	-247.7	2.20	
757	10	0.04	0.4	7.78	Clear	5.95	587	25.52	-246.9	1.85	
802	15	0.04	0.6	7.78	Clear	5.92	554	25.38	-245.9	1.49	
807	20	0.04	0.8	7.73	Clear	5.91	523	25.60	-246.7	0.81	
812	25	0.04	1.0	7.73	Clear	5.91	523	25.59	-247.5	0.72	
817	30	0.04	1.2	7.73	Clear	5.91	520	25.53	-247.4	0.51	
				8/12/11							
				Sampled @ 818							
				Allison Fang							

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	Clear
Odor:	None	Other (OVA, HNU,etc.):	

Constituents Sampled	Container Description From Lab _____ ARCADIS _____	Preservative
VOCs		HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65

No turbidity meter, qualitative measurements made

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HS-MW-14B
Date:	8/11/11	Sampled By:	Allison Fang		
Sampling Time:	1212	Recorded By:	Allison Fang		
Weather:	Hot, sunny, mid-90s	Duplicate/QA/QC:	—		

Instrument Identification

Instrument:	PID YSI 556	Water Quality Meter(s)
Serial #:		487 10B101571

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible	Centrifugal	Bladder Bailer Peristaltic
Casing Diameter:	2"	Screen Interval: From:	15	To:	25
Total Depth:	25	Pump Intake Setting:			
Depth to Water:	10.48	Volumes to be Purged:			
Water Column:	14.52	Total Volume Purged:	1.2		
Gallons/Foot:		Pump On:	1140	Off:	1213
Gallons in Well:	2.3				

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1140				10.54							
1145	5	0.2		10.55	Clear	6.07	153	26.86	-161.5	1.95	
1150	10	0.4		10.57	Clear	6.05	156	25.80	-171.2	1.02	
1155	15	0.6		10.55	off-white	6.11	154	25.61	-176.8	0.70	
1200	20	0.8		10.55	Clear	6.14	151	25.54	-181.5	0.48	
1205	25	1.0		10.58	Clear	6.15	145	25.64	-183.4	0.43	
1210	30	1.2		10.55	Clear	6.14	144	25.54	-186.6	0.39	

Sampled @ 1212

Allison Fang 8/11/11

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	Clear
Odor:	None	Other (OVA, HNU,etc.):	—

Constituents Sampled	Container Description: From Lab _____ ARCADIS _____	Preservative
VOCs		HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

No turbidity meter. qualitative observations made

ARCADIS

Groundwater Sampling Form

Site Location:	Fort Stewart/HAAF	Project No.	GP08HAFS	Well ID:	HS-MW-14C
Date:	8/11/11	Sampled By:	Allison Fang		
Sampling Time:	1255	Recorded By:	Allison Fang		
Weather:	Hot, sunny, mid-90s	Duplicate/QA/QC:			

Instrument Identification

Instrument:	PID YSI 556	Water Quality Meter(s)
Serial #:		YSI 10B101571

Purging Information

Casing Material:	PVC	Purge Method: (circle one)	Submersible	Centrifugal	Bladder	Bailer	Peristaltic
Casing Diameter:	2"	Screen Interval: From:	35	To:	45		
Total Depth:	45	Pump Intake Setting:					
Depth to Water:	11.32	Volumes to be Purged:					
Water Column:	33.68	Total Volume Purged:					
Gallons/Foot:		Pump On:	1218	Off:			
Gallons in Well:	5.39						

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1218											
1223	5	0.04	0.2	11.90	Clear	5.75	285	26.48	-198.5	0.55	
1228	10	0.04	0.4	12.00	Clear	5.72	290	25.97	-203.4	0.31	
1233	15	0.04	0.6	12.02	Clear	5.72	290	25.98	-205.8	0.32	
1238	20	0.04	0.8	12.02	Clear	5.71	279	25.84	-207.4	0.26	
1243	25	0.04	1.0	12.02	Clear	5.71	273	26.06	-209.2	0.24	
1248	30	0.04	1.2	12.04	Clear	5.71	267	25.91	-210.6	0.24	
1253	35	0.04	1.4	12.04	Clear	5.71	261	25.78	-213.7	0.22	
				8/11/11							
				Sampled @		1255					
				Allison Fang							

Observations During Sampling

Well Condition:	Good	Purge Water Disposal:	Drum
Color:	Clear	Turbidity(qualitative):	Clear
Odor:	None	Other (OVA, HNU,etc.):	

Constituents Sampled	Container Description From Lab _____ ARCADIS _____	Preservative
VOCs		HCl

Boring/Casing Volumes

2" = 0.16 4" = 0.65

No turbidity meter, qualitative observations made

* Conductivity continuing to decrease, may be meter malfunction

ARCADIS

Groundwater Sampling Form

Site Location: Fort Stewart/HAAF
Date: 8/10/11
Sampling Time: 1050
Weather: Hot, clear, mid-90s

Project No. GP08HAFS HI5
Sampled By: Allison Fang
Recorded By: Allison Fang
Duplicate/QA/QC:

Well ID: HI5-MW-16B

Instrument Identification

Instrument:	~~PID~~ YSI 556	Water Quality Meter(s)
Serial #:		YSI 10B10571

Purging Information

Casing Material: PVC
Casing Diameter: 1"
Total Depth: 25
Depth to Water: 10.22
Water Column: 14.88
Gallons/Foot:
Gallons in Well: ~~2.35~~ 0.60

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer (Peristaltic)
Screen Interval: From: 15 To: 25
Pump Intake Setting:
Volumes to be Purged:
Total Volume Purged:
Pump On: 1013 Off:

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (°C or °F)	ORP (mV)	Diss. Oxygen	Comments
1013											
1018	5	0.2		10.38	Cloudy gray NM	5.71	74	24.81	-200.4	1.46	
1023	10	0.4		10.33	Cloudy gray	5.45	75	24.73	-243.0	0.71	
1028	15	0.6		10.33	Cloudy gray	5.42	76	24.96	-241.1	0.57	
1033	20	0.8		10.33	Cloudy gray	5.39	77	24.89	-241.2	0.49	
1038	25	1.0		10.33	Clear	5.39	77	24.79	-240.7	0.42	
1043	30	1.2		10.33	Clear	5.39	77	24.75	-241.6	0.34	
1048	35	1.4		10.33	Clear	5.38	77	24.72	-242.3	0.35	

Sampled @ 1050 by AF

Observations During Sampling

Well Condition: Good
Color: Clear
Odor: None

Purge Water Disposal: Drum
Turbidity(qualitative): Clear
Other (OVA, HNU,etc.):

Constituents Sampled	Container Description From Lab ____ ARCADIS ____	Preservative
VOCs		HCl

Boring/Casing Volumes
2" = 0.16 4" = 0.65
1" = 0.04

Qualitative turbidity only.

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15 Date 8/17/11

Site Location: Hunter Army Airfield Monitoring Well Number HAA-MW-1713

Rep./Field Blank No. _____ Sample Collection Time 1720

Weather 90' Sunny Sampling Method peristaltic pump

Evacuation Data:

Depth to bottom of well (ft bls) 25' Casing stick-up above concrete (feet) _____

Depth to water from top of casing 13.28 Screened Interval (ft bls) 15-25'

Water Column 11.72 (ft) Gallons in well 0.47 Casing Diameter: 1"

Evacuation Volume (x 3) = 1.41 Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 1640								
1645	0.2	27.65	5.72	0.95	185	53.9	-152.4	
1650	~~0~~ 0.4	27.75	5.71	0.73	181	33.0	-137.6	
1655	~~0~~ 0.6	27.65	5.72	0.63	181	10.2	-135.7	
1700	0.8	27.58	5.72	0.59	180	4.08	-130.6	
1705	1.0	27.33	5.71	0.55	181	3.97	-127.3	
1710	1.2	27.42	5.73	0.51	180	3.92	-124.8	
1715	1.4	27.32	5.72	0.51	181	3.45	-123.9	
			SMF	8/15/11				

120 mL/min

Pick up 3-VOAs

1720 sample

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks _____

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15 Date 8/18/11

Site Location: Hunter Army Airfield Monitoring Well Number HIS-MW-18B

Rep./Field Blank No. _____ Sample Collection Time 0925

Weather 83° Sunny Sampling Method Peri pump

Evacuation Data:

Depth to bottom of well (ft bls) 25' Casing stick-up above concrete (feet) _____

Depth to water from top of casing 10.42 Screened Interval (ft bls) 15-25'

Water Column 14.58 (ft) Gallons in well 0.58 Casing Diameter: 1"

Evacuation Volume (x 3) = 1.75 Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
~~Start~~ 0833								
0843	0.3	23.46	6.21	0.81	150	76.6	-126.8	
0853	0.6	23.35	6.16	0.52	147	23.6	-140.1	
0903	0.9	23.26	6.13	0.42	146	12.6	-136.7	
0913	1.3	23.27	6.10	0.37	147	8.79	-132.1	
0923	1.6	23.34	6.09	0.35	145	6.60	-133.9	

JMF 8/18/11

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks _____

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 8/18/11

Site Location: Hunter Army Airfield

Monitoring Well Number H15-MW-19B

Rep./Field Blank No. _____

Sample Collection Time 1146

Weather 90° partly cloudy

Sampling Method peri pump

Evacuation Data:

Depth to bottom of well (ft bls) 25'

Casing stick-up above concrete (feet) _____

Depth to water from top of casing 7.58

Screened Interval (ft bls) 15 - 25'

Water Column 17.42 (ft) Gallons in well 0.70

Casing Diameter: 1"

Evacuation Volume (x 3) = 2.09

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 1055								
1105	0.3	24.41	5.44	1.25	99	20.1	-162.2	
1115	0.6	24.04	5.32	0.59	105	5.65	-160.9	
1125	0.9	25.81	5.31	0.50	106	4.00	-167.1	
1135	1.2	26.66	5.32	0.44	109	4.52	-178.7	
1145	1.5	24.71	5.29	0.39	107	4.74	-164.0	

JMF 8/18/11

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks _____

Sampling Personnel Jared Fin

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 8/18/11

Site Location: Hunter Army Airfield

Monitoring Well Number HIS-MW-09C

Rep./Field Blank No.

Sample Collection Time 1551

Weather 93° Hot

Sampling Method peri pump

Evacuation Data:

Depth to bottom of well (ft bls) 45'

Casing stick-up above concrete (feet)

Depth to water from top of casing 13.15

Screened Interval (ft bls) 35-45'

Water Column 31.85 (ft) Gallons in well 5.00

Casing Diameter: 2"

Evacuation Volume (x 3) = 15.29

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
start 1500								
1510	0.3	24.05	6.36	0.78	75	5.08	-154.8	
1520	0.6	23.73	6.41	0.43	74	3.87	-145.1	
1530	0.9	23.82	6.33	0.36	74	3.57	-147.3	
1540	1.2	23.42	6.31	0.31	74	3.08	-147.0	
1550	1.5	24.33	6.00	0.29	73	3.22	-146.4	
			DMF	8/18/11				

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15 Date 8/18/11

Site Location: Hunter Army Airfield Monitoring Well Number HIS-MW-11C

Rep./Field Blank No. _____ Sample Collection Time 1804

Weather 92° Hot Sunny Sampling Method peri pump

Evacuation Data:

Depth to bottom of well (ft bls) 45' Casing stick-up above concrete (feet) _____

Depth to water from top of casing 8.31 Screened Interval (ft bls) 35-45'

Water Column 36.69 (ft) Gallons in well 5.87 Casing Diameter: 2"

Evacuation Volume (x 3) = 17.61 Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 1703								
1713	0.3	24.68	7.23	0.77	284	153	-134.0	
1723	0.6	24.32	7.40	0.57	283	51.8	-132.1	
1733	0.9	24.03	7.54	0.39	282	26.5	-132.8	
1743	1.2	23.77	7.59	0.33	281	24.1	-134.1	
1753	1.5	23.62	7.62	0.30	281	20.2	-134.8	
1803	1.8	23.44	7.68	0.28	281	15.2	-142.5	
			JMF	8/18/11				

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks ~~pH a YSI faulty off~~

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 8/19/11

Site Location: Hunter Army Airfield

Monitoring Well Number HA15-MW-15B

Rep./Field Blank No. _____

Sample Collection Time 0943

Weather 80° sunny

Sampling Method Peri-pump

Evacuation Data:

Depth to bottom of well (ft bls) 25'

Casing stick-up above concrete (feet) _____

Depth to water from top of casing 7.73

Screened Interval (ft bls) 15-25'

Water Column 17.27 (ft) · Gallons in well 2.76

Casing Diameter: 2"

Evacuation Volume (x 3) = 8.29

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 0907								
0912	0.2	26.94	5.20	0.79	97	7.55	-166.4	
0917	0.4	26.88	5.12	0.61	108	7.07	-166.0	
0922	0.6	26.75	5.20	0.51	117	7.24	-166.2	
0927	0.8	26.73	5.21	0.42	116	10.2	-167.9	
0932	1.0	26.70	5.21	0.39	115	11.3	-170.1	
0937	1.2	26.68	5.20	0.36	113	10.7	-173.4	
0942	1.4	26.67	5.19	0.33	111	10.5	-175.6	
			SMF	8/19/11				

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks _____

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 8/19/11

Site Location: Hunter Army Airfield

Monitoring Well Number HIS-MW-15C

Rep./Field Blank No.

Sample Collection Time 1049

Weather 83° Sunny

Sampling Method peri-pump

Evacuation Data:

Depth to bottom of well (ft bls) 45'

Casing stick-up above concrete (feet)

Depth to water from top of casing 7.73

Screened Interval (ft bls) 35-45'

Water Column 37.27 (ft) Gallons in well 5.96

Casing Diameter: 2"

Evacuation Volume (x 3) = 17.89

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 0958								
1008	0.4	26.56	5.60	0.69	168	234	-164.5	
1018	0.8	25.69	5.63	0.38	166	27.1	-163.5	
1028	1.2	25.40	5.63	0.36	166	21.1	-163.4	
1038	1.6	25.36	5.62	0.33	166	17.1	-165.4	
1048	2.0	25.38	5.61	0.31	166	14.5	-165.5	
			JMF					
			8/19/11					

Analyses:

Analytical Parameter	Sample Bottles	Preservative

Remarks

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 8/23/11

Site Location: Hunter Army Airfield

Monitoring Well Number HIS-MW-12C

Rep./Field Blank No.

Sample Collection Time 1731

Weather 94° Sunny Hot

Sampling Method Peristaltic pump

Evacuation Data:

Depth to bottom of well (ft bls) 45'

Casing stick-up above concrete (feet) Flush Mount

Depth to water from top of casing 6.98'

Screened Interval (ft bls) 35-45'

Water Column 38.02 (ft) Gallons in well 6.08

Casing Diameter: 2"

Evacuation Volume (x 3) = 18.25

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 1620								
1630	0.4	26.77	9.14	1.03	912	119	-104.2	
1640	0.8	25.78	8.98	0.55	786	—	-118.1	
1650	1.2	25.36	8.76	0.36	655	35.8	-115.6	
1700	1.6	25.17	8.63	0.27	581	33.2	-113.5	
1710	2.0	25.22	8.44	0.23	524	14.9	-114.9	
1720	2.4	25.55	8.33	0.19	497	11.3	-133.7	
1730	2.8	25.50	8.22	0.17	475	11.4	-138.5	

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOC's	3 Voa's	HCL

Remarks

Sampling Personnel Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15 | Date 8/24/11

Site Location: Hunter Army Airfield | Monitoring Well Number H15-MW-08C

Rep./Field Blank No. _____ | Sample Collection Time 1208

Weather 85° Sunny | Sampling Method peristaltic pump

Evacuation Data:

Depth to bottom of well (ft bls) 45' | Casing stick-up above concrete (feet) Flush Mount

Depth to water from top of casing 9.64 | Screened Interval (ft bls) 35-45'

Water Column 38.36 (ft) Gallons in well 6.14 | Casing Diameter: 2"

Evacuation Volume (x 3) = 18.41 | Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
Start 1127								
1137	0.5	23.72	7.61	0.75	287	52.3	-68.2	
1147	1.0	23.47	7.66	0.63	287	50.0	-73.1	
1157	1.5	23.57	7.70	0.51	287	32.3	-68.9	
1207	2.0	23.29	7.70	0.39	286	18.8	-80.9	

JMF 8/24/11

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs	(3) VOAs	HCl

Remarks _____

Sampling Personnel JMF FNO

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 8/25/11

Site Location: Hunter Army Airfield

Monitoring Well Number HIS-MW-02D

Rep./Field Blank No.

Sample Collection Time 1544

Weather 98° Hot

Sampling Method Peristaltic Pump

Evacuation Data:

Depth to bottom of well (ft bls) 73'

Casing stick-up above concrete (feet) Flush Mount

Depth to water from top of casing 20.08'

Screened Interval (ft bls) 68-73'

Water Column 52.92 (ft) Gallons in well 8.47

Casing Diameter: 2"

Evacuation Volume (x 3) = 25.40

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
~~Start~~ 1501								
1511	0.5	26.23	8.17	1.83	478	459	51.9	
1521	1.0	26.04	8.16	0.82	476	461	37.1	
1531	1.5	25.96	8.14	0.48	475	454	44.1	
1541	2.0	25.97	8.13	0.30	472	448	50.6	
			JMF	8/25/11				

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs	(3) VOAs	HCl

Remarks

Sampling Personnel Jared Finn

ARCADIS

WATER SAMPLING LOG

Project No. HAA-15

Date 9/9/11

Site Location: Hunter Army Airfield

Monitoring Well Number H15-MW-20E

Rep./Field Blank No. ~~———~~

Sample Collection Time 1335

Weather 70°

Sampling Method Bailer

Evacuation Data:

Depth to bottom of well (ft bls) 125'

Casing stick-up above concrete (feet) Flush mount

Depth to water from top of casing 28.60

Screened Interval (ft bls) 120-125

Water Column 96.40 (ft) Gallons in well 15.42

Casing Diameter: 2"

Evacuation Volume (x 3) = 46.27

Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
0812	5	22.09	8.73	4.09	285	105	179.4	NM
0841	10	22.13	9.00	2.40	314	50.3	142.3	
0919	15	21.84	8.85	2.30	493	48.6	99.7	
	17	—	DRY	—				
0942	allowed to recharge							
1335	17	21.92	8.92	2.75	385	12.3	11.9	

Final

JDF 9-9-2011

Analyses:

Analytical Parameter	Sample Bottles	Preservative
VOCs	3 X 40 mL Glass	HCl

JDF 9-9-2011

Remarks NS peri pump due to depth to water and slow recharge, bailed dry with Teflon bailer

Sampling Personnel Josh Finell / Jared Fino

ARCADIS

WATER SAMPLING LOG

Project No. ~~FST-26~~ HAA-15 Date 9-8-2011

Site Location: ~~Ft. Stewart, GA~~ Hunter Army Airfield Monitoring Well Number HIS-MW-02E

Rep./Field Blank No. N/A Sample Collection Time 1650

Weather Sunny, 90s Sampling Method Peristaltic/Flow Cell/YSI556

Evacuation Data:

Depth to bottom of well (ft bls) 125 Casing stick-up above concrete (feet) Flush Mount

Depth to water from top of casing 25.10 Screened Interval (ft bls) 120-125

Water Column 99.90 (ft) Gallons in well 15.98 Casing Diameter: 2"

Evacuation Volume (x 3) = 47.95 Casing Volume 1"=0.04 gal gal/ft, 2"=0.16 gal/ft

Field Parameters:

Time	Gallons Purged	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb (NTU)	Redox (mV)	Depth to Water (ft)
0923	5	23.70	9.42	2.98	307	71.6	174.6	NM
1004	10	24.07	9.86	2.01	363	88.0	1.7	
1030	15	23.72	10.29	2.27	475	108	-11.9	
1114	17	—	DRY	—	—	—	—	
—	allowed to recharge				—			
1650	17	24.08	10.47	5.61	516	15.5	55.6	
			JDF		9-8-2011			

Final

Analyses:

Analytical Parameter	Sample Bottles	Preservative
~~Field Parameters Only~~ VOCs	3 X 40 mL Glass	HCl
JDF 9-8-2011		

Remarks Well not sampled by low flow due to drawdown, volume purge with Teflon Bailer

Sampling Personnel Josh Frizzell

Iron, Manganese, Aluminum, and Calcium
SW-846 Method ICP
Level II QC Review

Site: Hunter AAF	SDG #: 245017
Laboratory: STL – Chicago	Date: 5/10/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
MCA-GWHGL-1B-0306	245017-11	Water
MCA-GWHGL-1C-0306	245017-12	Water
MCA-GWHGL-2B-0306	245017-13	Water
MCA-GWHGL-2C-0306	245017-16	Water
MCA-GWHGL-10B-0306	245017-17	Water
MCA-GWHGL-10C-0306	245017-18	Water
MCA-GWHGL-9B-0306	245017-21	Water
MCA-GWHGL-9C-0306	245017-22	Water

Narrative and Completeness Review – The case narrative was reviewed and the package was checked for completeness. No discrepancies noted.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory with acceptable temperatures and properly preserved.

Qualification: None required.

Holding Times – The samples were analyzed within the required holding times for water samples.

Qualification: None required.

Laboratory Control Samples – The %R results met established control limits.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate analyses were not performed on a HydroGeoLogic sample.

Qualification: None required.

ICP Method and Calibration Blanks – The method blanks associated with the samples in this SDG were contaminated with iron. The highest associated blank contamination were 0.05602 mg/L of iron (MB) leading to an action level of 0.2801 mg/L. The associated iron detections are greater than the action level and no qualification is necessary.

Qualification: None required.

Equipment Blank – No equipment blank is associated with the samples in this SDG.

Qualification: None required.

Field Duplicate – A field duplicate was not submitted with the samples in this SDG.

Qualification: None required.

Laboratory Duplicate – Laboratory duplicate analysis was not performed on a sample from this SDG.

Qualification: None required.

ICP Serial Dilutions – Serial dilutions were not performed on a sample from this SDG.

Qualification: None required.

Compound Quantitation – Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table: (All values reported in µg/L)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-1B-0306	Aluminum	0.17	B	0.17	J
MCA-GWHGL-1C-0306	No qualification necessary				
MCA-GWHGL-2B-0306	No qualification necessary				
MCA-GWHGL-2C-0306	No qualification necessary				
MCA-GWHGL-10B-0306	No qualification necessary				
MCA-GWHGL-10C-0306	No qualification necessary				
MCA-GWHGL-9B-0306	No qualification necessary				
MCA-GWHGL-9C-0306	No qualification necessary				

Volatile Organic Compounds
SW8260B
Level II QC Review

Site: Hunter AAF MCA Barracks	SDG #: 245017
Laboratory: STL-Chicago	Date: 5/9/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
MCA-GWXX-15-0306	245017-1	Water
EB030806	245017-2	Water
MCA-GWXX-17-0306	245017-3	Water
MCA-GWXX-18-0306	245017-4	Water
MCA-GWXX-19-0306	245017-5	Water
MCA-GWXX-21-0306	245017-6	Water
MCA-GWXX-22-0306	245017-7	Water
EB030906	245017-8	Water
MCA-GWXX-25-0306	245017-9	Water
EB031006	245017-10	Water
MCA-GWHGL-1B-0306	245017-11	Water
MCA-GWHGL-1C-0306	245017-12	Water
MCA-GWHGL-2B-0306	245017-13	Water
EB031106	245017-14	Water
EB031206	245017-15	Water
MCA-GWHGL-2C-0306	245017-16	Water
MCA-GWHGL-10B-0306	245017-17	Water
MCA-GWHGL-10C-0306	245017-18	Water
MCA-GWDUP201-0306	245017-19	Water
TB031306	245017-20	Water
MCA-GWHGL-9B-0306	245017-21	Water
MCA-GWHGL-9C-0306	245017-22	Water

Narrative and Completeness Review – The case narrative was reviewed and the package was checked for completeness. No discrepancies noted.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the required holding times for soil and water samples.

Qualification: None required.

Surrogates – All surrogate recoveries were within established control limits.

Qualification: None required.

Laboratory Control Samples – Two LCS are associated with the environmental samples is this SDG and the %Rs met the established control limits.

Qualification: None required.

MS/MSD – MS/MSD analyses were not performed on a sample from this SDG and no qualification is necessary.

Qualification: None required.

Method Blanks – The two method blanks associated with the samples were free from contamination.

Qualification: None required.

Trip Blanks – Trip blank TB031306 is associated with the samples in this SDG and was free from contamination.

Qualification: None required.

Equipment Blanks – Equipment blanks EB030806, EB030906, EB031006, EB031106 and EB031206 are associated with the samples in this SDG and were free from contamination.

Qualification: None required.

Field Duplicate – Sample MCA-GWDUP201-0306 is a field duplicate of sample MCA-GWHGL-10B-0306. The %D met the QC criteria and no qualification is necessary.

Qualification: None required.

Compound Quantitation – Results detected between the MDL and the Practical Quantitation Limit (PQL) have been qualified J. A secondary dilution was run on sample MCA-GWXX-21-0306 due to the high level of cis-1,2-dichloroethene and trichloroethene and on sample MCA-GWXX-22-0306 due to the high level of trichloroethene detected in the sample. The results and reporting limits were adjusted to account for the dilution performed.

Qualification Summary Table: (All values reported in µg/L.)

No qualification required

Wet Chemistry
Sulfate (E300.0), Nitrate+Nitrite (E353.2), Alkalinity (E310.1),
Phosphorus (E365.2), TOC (E415.1)
USEPA Level II Review

Site: Hunter AAF	SDG #: 245017
Laboratory: STL – Chicago	Date: 5/9/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Lab Batch	Matrix
MCA-GWHGL-1B-0306	245017-11	176364/176879/175819/176053/176648	Water
MCA-GWHGL-1C-0306	245017-12	176364/176879/175819/176053/176648	Water
MCA-GWHGL-2B-0306	245017-13	176364/176879/175819/176053/176648	Water
MCA-GWHGL-2C-0306	245017-16	176364/176879/175819/176053/176648	Water
MCA-GWHGL-10B-0306	245017-17	176364/176879/176835/176053/176648	Water
MCA-GWHGL-10C-0306	245017-18	176364/176879/176835/176053/176648	Water
MCA-GWHGL-9B-0306	245017-21	176364/176879/176835/176053/176648	Water
MCA-GWHGL-9C-0306	245017-22	176364/176879/176835/176053/176648	Water

Note: Control limits for wet chemistry analyses are not presented in the project specific QAPP. For this reason, the laboratory's internal QC limits will be employed for evaluation of the data.

Sample Delivery and Condition – The sample arrived at the laboratory in acceptable condition and temperature, and was properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – The sample was analyzed within the required holding times.

Qualification: None required.

Method Blanks - The method blanks were all free from contamination with the exception of the phosphorous method blank associated with batch 176053. The highest associated blank contamination was 0.008 mg/L of phosphorous, leading to an action level of 0.04 mg/L. All phosphorus results are greater than the action level and no qualification is required.

Qualification: None required.

Rinsate Blanks – A rinsate blank is not associated with the sample in this SDG.

Qualification: None required.

Laboratory Control Samples - All LCSs had acceptable recoveries.

Qualification: None required.

MS/MSD - MS/MSD analyses were performed on sample MCA-GWHGL-2C-0306 for sulfate and Nitrate+Nitrite. The %Rs and calculated RPDs met the QC criteria with the exception of a low %R Nitrate+Nitrite in the MSD and a high RPD for the MSD. All associated Nitrate+Nitrite results in batch 175819 are non-detect and should be UJ qualified.

Qualification: **Nitrate+Nitrite was qualified UJ in all samples analyzed in batch 175819.**

Field Duplicates - A field duplicate was not submitted with the sample in this SDG.

Qualification: None required.

Compound Quantitation - Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table – (Units in mg/L)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-1B-0306	Nitrate+Nitrite	0.10	U	0.10	UJ
MCA-GWHGL-1C-0306	Nitrate+Nitrite	0.10	U	0.10	UJ
	TOC	0.94	B	0.94	J
MCA-GWHGL-2B-0306	Nitrate+Nitrite	0.10	U	0.10	UJ
MCA-GWHGL-2C-0306	Nitrate+Nitrite	0.10	U	0.10	UJ
MCA-GWHGL-10B-0306	No qualification necessary				
MCA-GWHGL-10C-0306	Nitrate+Nitrite	0.075	B	0.075	J
MCA-GWHGL-9B-0306	Phosphorus	0.058	B	0.058	J
	TOC	0.89	B	0.89	J
MCA-GWHGL-9C-0306	Nitrate+Nitrite	0.099	B	0.099	J
	Phosphorus	0.064	B	0.064	J

Dissolved Gases
Methane, Ethane, Ethene, & CO_2 (RSK-175)
USEPA Level II Review

Site: Hunter AAF	SDG #: 245035
Laboratory: STL – Burlington	Date: 5/16/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
MCA-GWHGL-1B-0306	661276	Water
MCA-GWHGL-1C-0306	661277	Water
MCA-GWHGL-2B-0306	661278	Water
MCA-GWHGL-2C-0306	661279	Water
MCA-GWHGL-10B-0306	661280	Water
MCA-GWHGL-10C-0306	661281	Water
MCA-GWHGL-9B-0306	661282	Water
MCA-GWHGL-9C-0306	661283	Water

Note: Control limits for dissolved gas analyses are not presented in the project specific QAPP. For this reason, the laboratory's internal QC limits will be employed for evaluation of the data.

Sample Delivery and Condition – The sample arrived at the laboratory in acceptable condition and temperature, and was properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – The sample was analyzed within the required holding times.

Qualification: None required.

Method Blanks - The method blanks were all free from contamination.

Qualification: None required.

Rinsate Blanks – A rinsate blank is not associated with the sample in this SDG.

Qualification: None required.

Laboratory Control Samples - All LCSs had acceptable recoveries.

Qualification: None required.

MS/MSD - MS/MSD analyses were not performed on a HydroGeoLogic sample.

Qualification: None required.

Field Duplicates – A field duplicate was not submitted with this SDG.

Qualification: None required.

Compound Quantitation - Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table – (Units in µg/L).

No qualification necessary.

Metals Analysis (6010B)
SW-846 Method ICP
Level II QC Review

Site: Hunter AAF	SDG #: 245096
Laboratory: STL – Chicago	Date: 6/23/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
MCA-GWHGL-5B-0306	245096-2	Water
MCA-GWHGL-5C-0306	245096-3	Water
MCA-GWHGL-11B-0306	245096-4	Water
MCA-GWHGL-11C-0306	245096-5	Water
MCA-GWHGL-7B-0306	245096-8	Water
MCA-GWHGL-7C-0306	245096-9	Water

Narrative and Completeness Review – The case narrative was reviewed and the package was checked for completeness. No discrepancies noted.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory with acceptable temperatures and properly preserved.

Qualification: None required.

Holding Times – The samples were analyzed within the required holding times for water samples.

Qualification: None required.

Laboratory Control Samples – The %R results met established control limits.

Qualification: None required.

MS/MSD – MS/MSD analyses were performed on sample MCA-GWHGL-5B-0306. The %Rs and calculated RPDs met the QC criteria with the exception of aluminum and iron. Iron was present in the original sample four times greater than the spike concentration and requires no qualification. Aluminum detects were J qualified in all water samples.

Qualification: **Aluminum detects were J qualified.**

ICP Method and Calibration Blanks – The method blanks associated with this SDG was contaminated with iron. The action level based on the highest detect in the blanks is 0.28 mg/L of iron. All associated samples have iron results greater than the action level and no qualification was necessary.

Qualification: None required.

Equipment Blank – No equipment blank was included for metals analyses in this SDG.

Qualification: None required.

Field Duplicate – No field duplicate was included in this SDG.

Qualification: None required.

Laboratory Duplicate – Lab duplicate analysis was performed on a sample MCA-GWHGL-5B-0306. The %D met the QC criteria.

Qualification: None required.

ICP Serial Dilutions – Serial dilutions were performed on sample MCA-GWHGL-5B-0306. The %D met the QC criteria with the exception of aluminum. Aluminum detects were J qualified and non-detects were UJ qualified for all samples.

***Qualification:* Aluminum detects were J qualified and non-detects were UJ qualified for all samples.**

Compound Quantitation – Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table: (All values reported in mg/L.)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-5B-0306	Aluminum	0.98	---	0.98	J
MCA-GWHGL-5C-0306	Aluminum	1.4	---	1.4	J
MCA-GWHGL-11B-0306	Aluminum	2.6	---	2.6	J
MCA-GWHGL-11C-0306	Aluminum	36	---	36	J
MCA-GWHGL-7B-0306	Aluminum	1.7	---	1.7	J
MCA-GWHGL-7C-0306	Aluminum	0.89	---	0.89	J

Volatile Organic Compounds
SW8260B
Level III Review

Site: Hunter AAF MCA Barracks	SDG #: 245096
Laboratory: STL-Chicago	Date: 6/26/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
EB031306	245096-1	Water
MCA-GWHGL-5B-0306	245096-2	Water
MCA-GWHGL-5C-0306	245096-3	Water
MCA-GWHGL-11B-0306	245096-4	Water
MCA-GWHGL-11C-0306	245096-5	Water
EB031406	245096-6	Water
MCA-GWXX-24-0306	245096-7	Water
MCA-GWHGL-7B-0306	245096-8	Water
MCA-GWHGL-7C-0306	245096-9	Water
TB031506	245096-10	Water

Narrative and Completeness Review – The case narrative was reviewed and the package was checked for completeness. No discrepancies noted.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the required holding times for water samples.

Qualification: None required.

Surrogates – All surrogate recoveries were within established control limits.

Qualification: None required.

Laboratory Control Samples – The LCS %Rs met the established control limits.

Qualification: None required.

MS/MSD – No MS/MSD analyses was performed on a sample from this SDG.

Qualification: None required.

Tuning – All relative abundance criteria was met for the environmental samples in this SDG and no qualification is necessary.

Qualification: None required.

Internal Standard Performance – All internal standards met area and retention time criteria for the environmental samples in this SDG and no qualification is necessary.

Qualification: None required.

Initial Calibration – One initial calibration is associated with the environmental samples in this SDG. The initial calibration had acceptable mean RRFs for all SPCCs and %RSDs for all CCCs [note: an r^2 value was presented for CCC 1,1-dichloroethene; raw data was not provided and the %RSD value could not be recalculated]. All target analytes had %RSDs below 15% or were quantified using a calibration curve with $r^2 > 0.990$.

Qualification: None required

Initial Calibration Verification – All %Rs met the established control limits with the exception of low %R for dichlorodifluoromethane, carbon disulfide, and 1,2-dibromo-3-chloropropane and high %R for acetone.

Qualification: **Dichlorodifluoromethane, carbon disulfide, 1,2-dibromo-3-chloropropane, and acetone detects were J qualified and non-detects were UJ qualified.**

Continuing Calibration Verification – All %Ds and RRFs met the established control limits.

Qualification: None required.

Method Blanks – The method blanks associated with the samples were free from contamination.

Qualification: None required.

Trip Blanks – Trip blank TB031506 is associated with the samples in this SDG and was free from contamination.

Qualification: None required.

Equipment Blanks – Equipment blanks EB031306 and EB031406 are associated with the water samples in this SDG and were free of contamination with the exception of 2.9J µg/L and 2.4J µg/L acetone, respectively. Water samples with detections below the action level of 29 µg/L for acetone (collected 3.13.06) or 24 µg/L (collected 3.14.06) were U qualified.

Qualification: **Water samples with detections below the action level of 29 µg/L for acetone were U qualified.**

Field Duplicate – No field duplicate was included in this SDG.

Qualification: None required.

Compound Quantitation – Results detected between the MDL and the Practical Quantitation Limit (PQL) have been qualified J. Samples MCA-GWHGL-7B-0306 and MCA-GWHGL-7C-0306 required secondary dilutions due to high levels of trichloroethene. The water results and reporting limits were adjusted to account for the dilutions performed.

Qualification Summary Table: (All values reported in µg/L.)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-5B-0306	Dichlorodifluoromethane	1.0	U	1.0	UJ
	Carbon Disulfide	5.0	U	5.0	UJ
	Acetone	3.5	J	5.0	UJ
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ
MCA-GWHGL-5C-0306	Dichlorodifluoromethane	1.0	U	1.0	UJ
	Carbon Disulfide	5.0	U	5.0	UJ
	Acetone	5.0	U	5.0	UJ
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ
MCA-GWHGL-11B-0306	Dichlorodifluoromethane	1.0	U	1.0	UJ
	Carbon Disulfide	5.0	U	5.0	UJ
	Acetone	5.0	U	5.0	UJ
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ
MCA-GWHGL-11C-0306	Dichlorodifluoromethane	1.0	U	1.0	UJ
	Carbon Disulfide	5.0	U	5.0	UJ
	Acetone	3.9	J	5.0	UJ
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ
MCA-GWXX-24-0306	Dichlorodifluoromethane	1.0	U	1.0	UJ
	Carbon Disulfide	5.0	U	5.0	UJ
	Acetone	2.8	J	2.8	UJ
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ
MCA-GWHGL-7B-0306	Dichlorodifluoromethane	1.0	U	1.0	UJ
	Carbon Disulfide	5.0	U	5.0	UJ
	Acetone	3.3	J	5.0	UJ
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	UJ
MCA-GWHGL-7C-0306	Dichlorodifluoromethane	50	U	50	UJ
	Carbon Disulfide	250	U	250	UJ
	Acetone	250	U	250	UJ
	1,2-Dibromo-3-chloropropane	50	U	50	UJ

Note: This table only shows qualifications of analytes for QC discrepancies. See the data reporting forms for those detections below the PQL which are qualified J.

Wet Chemistry
Alkalinity (310.1), Sulfate (300.0), Nitrate+Nitrite (353.2),
Phosphorus (365.2), and TOC (415.1)
USEPA Level II Review

Site: Hunter AAF	SDG #: 245096
Laboratory: STL – Chicago	Date: 6/23/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Lab Batch	Matrix
MCA-GWHGL-5B-0306	245096-2	176475, 176879, 176835, 176676, 177002	Water
MCA-GWHGL-5C-0306	245096-3	176475, 176882, 176835, 176676, 177002	Water
MCA-GWHGL-11B-0306	245096-4	176475, 176879, 176835, 176676, 177002	Water
MCA-GWHGL-11C-0306	245096-5	176475, 176879, 176835, 176676, 177002	Water
MCA-GWHGL-7B-0306	245096-8	176475, 176879, 176835, 176676, 177002	Water
MCA-GWHGL-7C-0306	245096-9	176475, 176879, 176835, 176676, 177002	Water

Note: Control limits for wet chemistry analyses are not presented in the project specific QAPP. For this reason, the laboratory's internal QC limits will be employed for evaluation of the data.

Sample Delivery and Condition – The sample arrived at the laboratory in acceptable condition and temperature, and was properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – The sample was analyzed within the required holding times.

Qualification: None required.

Method Blanks - Method blanks were free from contamination.

Qualification: None required.

Rinsate Blanks – A rinsate blank is not associated with the sample in this SDG.

Qualification: None required.

Laboratory Control Samples - All LCSs had acceptable recoveries.

Qualification: None required.

MS/MSD - MS/MSD analyses was performed on sample MCA-GWHGL-5B-0306 and the %Rs and calculated RPDs met the QC criteria.

Qualification: None required.

Field Duplicates – A field duplicate was not submitted with this SDG.

Qualification: None required.

Compound Quantitation - Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table – (Units in mg/L).

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-5B-0306	Phosphorus	0.064	B	0.064	J
MCA-GWHGL-5C-0306	No qualification necessary				
MCA-GWHGL-11B-0306	No qualification necessary				
MCA-GWHGL-11C-0306	Nitrate+nitrite	0.099	B	0.099	J
MCA-GWHGL-7B-0306	No qualification necessary				
MCA-GWHGL-7C-0306	No qualification necessary				

Aluminum, Calcium, Iron & Manganese
SW-846 Method ICP
Level II QC Review

Site: Hunter AAF	SDG #: 245170
Laboratory: STL – Chicago	Date: 5/12/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
MCA-GWHGL-3B-0306	245170-2	Water
MCA-GWHGL-3C-0306	245170-3	Water
MCA-GWHGL-8B-0306	245170-4	Water
MCA-GWHGL-8C-0306	245170-5	Water
MCA-GWHGL-4B-0306	245170-8	Water
MCA-GWHGL-4C-0306	245170-9	Water
MCA-GWHGL-6B-0306	245170-10	Water
MCA-GWHGL-6C-0306	245170-11	Water

Narrative and Completeness Review – The case narrative was reviewed and the package was checked for completeness. No discrepancies noted.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory with acceptable temperatures and properly preserved.

Qualification: None required.

Holding Times – The samples were analyzed within the required holding times for water samples.

Qualification: None required.

Laboratory Control Samples – The %R results met established control limits.

Qualification: None required.

MS/MSD – Matrix spike/matrix spike duplicate analyses was performed on MCA-GWHGL-3B-0306 and MCA-GWHGL-4B-0306. The %Rs and RPDs met the QC criteria with the exception of a high %R aluminum in the MS and MSD. Calcium and iron were outside the QC criteria, but the analytes were present in the original sample greater than four times the spiked amount so qualification was required. All associated aluminum results should be J qualified and no qualification is necessary on non-detects.

***Qualification:* Aluminum detections were qualified J in all associated samples.**

ICP Method and Calibration Blanks – The method blank associated with the samples in this SDG were contaminated with calcium. The highest associated blank contamination concentrations were 0.1184 mg/L of calcium (MB), leading to an action level of 0.592 mg/L; 0.03057 mg/L aluminum, leading to an action level of 0.15285 mg/L; and 0.00073 mg/L manganese, leading to an action level of 0.00365 mg/L. The associated

metals detections are greater than the action levels, with the exception of the aluminum result in sample MCA-GWHGL-8C-0306.

Qualification: **The aluminum result in sample MCA-GWHGL-8C-0306 is qualified U. Due to the discrepancies in the associated MS/MSD, the final qualifier is UJ**

Equipment Blank – No equipment blank is associated with the samples in this SDG.

Qualification: None required.

Field Duplicate – A field duplicate was not submitted with the samples in this SDG.

Qualification: None required.

Laboratory Duplicate – Laboratory duplicate analysis was performed on MCA-GWHGL-3B-0306 and MCA-GWHGL-4B-0306. The RPDs met the QC criteria and no qualification is necessary.

Qualification: None required.

ICP Serial Dilutions – Serial dilutions were performed on MCA-GWHGL-3B-0306 and MCA-GWHGL-4B-0306. The %Ds met the QC criteria and no qualification is necessary.

Qualification: None required.

Compound Quantitation – Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table: (All values reported in µg/L.)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-3B-0306	Aluminum	0.75		0.75	J
MCA-GWHGL-3C-0306	Aluminum	0.43		0.43	J
MCA-GWHGL-8B-0306	Aluminum	0.61		0.61	J
MCA-GWHGL-8C-0306	Aluminum	0.096	B	0.20	UJ
MCA-GWHGL-4B-0306	Aluminum	3.4		3.4	J
MCA-GWHGL-4C-0306	Aluminum	2.4		2.4	J
MCA-GWHGL-6B-0306	Aluminum	0.99		0.99	J
MCA-GWHGL-6C-0306	Aluminum	0.75		0.75	J

Volatile Organic Compounds
SW8260B
Level II QC Review

Site: Hunter AAF MCA Barracks	SDG #: 245170
Laboratory: STL-Chicago	Date: 5/10/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
EB031506	245170-1	Water
MCA-GWHGL-3B-0306	245170-2	Water
MCA-GWHGL-3C-0306	245170-3	Water
MCA-GWHGL-8B-0306	245170-4	Water
MCA-GWHGL-8C-0306	245170-5	Water
EB031606	245170-6	Water
MCA-GWDUP202-0306	245170-7	Water
MCA-GWHGL-4B-0306	245170-8	Water
MCA-GWHGL-4C-0306	245170-9	Water
MCA-GWHGL-6B-0306	245170-10	Water
MCA-GWHGL-6C-0306	245170-11	Water
MCA-GWDUP203-0306	245170-12	Water
EB031706	245170-13	Water
TB031706	245170-14	Water

Narrative and Completeness Review – The case narrative was reviewed and the package was checked for completeness. No discrepancies noted.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory in acceptable condition. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were analyzed within the required holding times for water samples with the exception of the reanalysis of sample MCA-GWHGL-3B-0306 which was analyzed 4 days past the recommended hold time.

Qualification: **All MCA-GWHGL-3B-0306 reanalysis detects are J qualified and non-detects are UJ qualified.**

Surrogates – All surrogate recoveries were within established control limits.

Qualification: None required.

Laboratory Control Samples – Three LCS are associated with the environmental samples is this SDG and the %Rs met the established control limits.

Qualification: None required.

MS/MSD – MS/MSD analyses were performed on MCA-GWHGL-3B-0306 and MCA-GWHGL-4B-0306S. Due to the poor match between the MS and MSD, the both parent samples and MS/MSD pairs were reanalyzed. The original results for MCA-GWHGL-4B-0306S matched the reanalysis. However, the original results for MCA-GWHGL-3B-0306 did not match the reanalysis. MCA-GWHGL-3B-0306 was reanalyzed again with the results only matching the initial reanalyzed sample. It is suspected that the original analysis of MCA-GWHGL-3B-0306, the MSD for MCA-GWHGL-3B-0306, and the MS for MCA-GWHGL-4B-0306S were contaminated with a vial or syringe carry over.

Qualification: **The reanalyzed results for sample MCA-GWHGL-3B-0306 are considered the definitive results for this sample.**

Method Blanks – The three method blanks associated with the samples were free from contamination.

Qualification: None required.

Trip Blanks – Trip blank TB031706 is associated with the samples in this SDG and was free from contamination.

Qualification: None required.

Equipment Blanks – Equipment blanks EB031506, EB031606, and EB031706 are associated with the samples in this SDG and were free from contamination.

Qualification: None required.

Field Duplicate – Sample MCA-GWDUP202-0306 is a field duplicate of sample MCA-GWHGL-8B-0306 and sample MCA-GWDUP203-0306 is a field duplicate of sample MCA-GWHGL-6B-0306. The %D met the QC criteria and no qualification is necessary.

Qualification: None required.

Compound Quantitation – Results detected between the MDL and the Practical Quantitaion Limit (PQL) have been qualified J. A secondary dilution was run on sample MCA-GWHGL-6C-0306 due to the high level of trichloroethene. The results and reporting limits were adjusted to account for the dilution performed.

Qualification Summary Table: (All values reported in µg/L.)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-3B-0306 (original analysis)	All analytes	Varies	U / ---	Varies	UX / X
MCA-GWHGL-3B-0306 (reanalysis)	All analytes	Varies	U / ---	Varies	UJ / J

Note: This table only shows qualifications of analytes for QC discrepancies. See the data reporting forms for those detections below the PQL which are qualified J.

Wet Chemistry
Sulfate (E300.0), Nitrate+Nitrite (E353.2), Alkalinity (E310.1),
Phosphorus (E365.2), TOC (E415.1)
USEPA Level II Review

Site: Hunter AAF	SDG #: 245170
Laboratory: STL – Chicago	Date: 5/11/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.26.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Lab Batch	Matrix
MCA-GWHGL-3B-0306	245170-2	176475/176882/176835/176676/177002	Water
MCA-GWHGL-3C-0306	245170-3	176475/176879/176835/176676/177139	Water
MCA-GWHGL-8B-0306	245170-4	176475/176882/176835/176676/177139	Water
MCA-GWHGL-8C-0306	245170-5	176556/176882/176835/176676/177139	Water
MCA-GWHGL-4B-0306	245170-8	176556/176879/177093/177175/177139	Water
MCA-GWHGL-4C-0306	245170-9	176556/176879/176093/176676/177139	Water
MCA-GWHGL-6B-0306	245170-10	176556/176882/176093/176676/177139	Water
MCA-GWHGL-6C-0306	245170-11	176556/176879/176093/176676/177139	Water

Note: Control limits for wet chemistry analyses are not presented in the project specific QAPP. For this reason, the laboratory's internal QC limits will be employed for evaluation of the data.

Sample Delivery and Condition – The sample arrived at the laboratory in acceptable condition and temperature, and was properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – The sample was analyzed within the required holding times.

Qualification: None required.

Method Blanks - The method blanks were all free from contamination with the exception of the alkalinity method blank associated with batch 176556. The highest associated blank contamination was 2.55B mg/L of alkalinity, leading to an action level of 12.75 mg/L. All alkalinity results are greater than the action level and no qualification is required.

Qualification: None required.

Rinsate Blanks – A rinsate blank is not associated with the sample in this SDG.

Qualification: None required.

Laboratory Control Samples - All LCSs had acceptable recoveries.

Qualification: None required.

MS/MSD - MS/MSD analyses were performed on sample MCA-GWHGL-3B-0306 for sulfate, Nitrate+Nitrite, phosphorous, and TOC. MS/MSD analyses were performed on sample MCA-GWHGL-4B-0306 for Nitrate+Nitrite, phosphorous, and TOC. The %Rs and calculated RPDs met the QC criteria with the exception of a low %R phosphorous in a MS and a high RPD. The phosphorus result associated with Batch 177175 is detect and should be J qualified

Qualification: **Phosphorus was qualified J in sample MCA-GWHGL-4B-0306.**

Field Duplicates - A field duplicate was not submitted with the sample in this SDG.

Qualification: None required.

Laboratory Duplicate – The alkalinity laboratory duplicate performed on sample MCA-GWHGL-4B-0306 (associated with Batch 176556) had an RPD of 30.7%, which is above the control limit of 20%.

Qualification: **All alkalinity results associated with batch 176556 are qualified J (detections) or UJ (non-detections).**

Compound Quantitation - Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results.

Qualification Summary Table – (Units in mg/L).

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
MCA-GWHGL-3B-0306	No qualification required				
MCA-GWHGL-3C-0306	No qualification required				
MCA-GWHGL-8B-0306	No qualification required				
MCA-GWHGL-8C-0306	Alkalinity	16	--	16	J
MCA-GWHGL-4B-0306	Alkalinity	29	--	29	J
	Nitrate+nitrite	0.027	B	0.027	J
	Phosphorus	1.5	---	1.5	J
MCA-GWHGL-4C-0306	Alkalinity	22	--	22	J
	Nitrate+nitrite	0.035	B	0.035	J
MCA-GWHGL-6B-0306	Alkalinity	39	--	39	J
	Phosphorus	0.043	B	0.043	J
MCA-GWHGL-6C-0306	Alkalinity	21	--	21	J
	Phosphorus	0.12	B	0.12	J

Dissolved Gases
Methane, Ethane, Ethene, & CO_2 (RSK-175)
USEPA Level II Review

Site: Hunter AAF	SDG #: 245171
Laboratory: STL – Burlington	Date: 5/16/06
HydroGeoLogic, Inc. Reviewers: Carol Cady/Ken Rapuano 8.27.06	Project: OMA009-001-02-02-03

Client Sample ID	Laboratory Sample ID	Matrix
MCA-GWHGL-3B-0306	661874	Water
MCA-GWHGL-3C-0306	661875	Water
MCA-GWHGL-8B-0306	661876	Water
MCA-GWHGL-8C-0306	661877	Water
MCA-GWHGL-4B-0306	661878	Water
MCA-GWHGL-4C-0306	661879	Water
MCA-GWHGL-6B-0306	661880	Water
MCA-GWHGL-6C-0306	661881	Water

Note: Control limits for dissolved gas analyses are not presented in the project specific QAPP. For this reason, the laboratory's internal QC limits will be employed for evaluation of the data.

Sample Delivery and Condition – The samples arrived at the laboratory in acceptable condition and temperature, and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – The sample was analyzed within the required holding times.

Qualification: None required.

Method Blanks - The method blanks were all free from contamination.

Qualification: None required.

Rinsate Blanks – A rinsate blank is not associated with the sample in this SDG.

Qualification: None required.

Laboratory Control Samples - All LCSs had acceptable recoveries.

Qualification: None required.

MS/MSD - MS/MSD analyses were performed on MCA-GWHGL-3B-0306 for methane, ethane, and ethene. The %Rs and calculated RPDs met the QC criteria.

Qualification: None required.

Field Duplicates – A field duplicate was not submitted with this SDG.

Qualification: None required.

Compound Quantitation - Analytes detected below the PQL were reported as B qualified results. These results have subsequently been changed to J qualified results. A secondary dilution was required for samples MCA-GWHGL-3C-0306 and MCA-GWHGL-8B-0306 due to high levels of methane. The results and reporting limits have been adjusted to account for the dilutions performed.

Qualification Summary Table – (Units in µg/L).

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
No qualification necessary					

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 245035

SEVERN TRENT STL®

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

March 23, 2006

Ms. Linda Mackley
Severn Trent Laboratories
2417 Bond Street
University Park, IL 60466

Re: Laboratory Project No. 26002
Case: HUNTAAF; SDG: 245035

Dear Ms. Mackley:

Enclosed are the analytical results for the samples that were received by STL Burlington on March 16th, 2006. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 03/16/06 ETR No: 113165		
661276	MCA-GWHGL-1B-0306	03/11/06	Water
661277	MCA-GWHGL-1C-0306	03/11/06	Water
661278	MCA-GWHGL-2B-0306	03/11/06	Water
661279	MCA-GWHGL-2C-0306	03/12/06	Water
661280	MCA-GWHGL-10B-0306	03/12/06	Water
661281	MCA-GWHGL-10C-0306	03/12/06	Water
661282	MCA-GWHGL-9B-0306	03/13/06	Water
661283	MCA-GWHGL-9C-0306	03/13/06	Water

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. In order to accommodate field length limitations in processing the data summary forms, the laboratory did, in certain instances, abbreviate the sample identifier. The electronically formatted data provides for the full sample identifier.

The samples were analyzed for methane, ethane and ethene by Method RSK-175. Matrix spike and matrix spike duplicate analyses were not performed on samples in this sample set. A laboratory control sample was prepared and analyzed in the analytical sequence, and the target compounds were recovered well in that analysis. The method blank that was analyzed in association with the samples was free of contamination.

The samples were additionally analyzed for carbon dioxide by Method RSK-175. Matrix spike and matrix spike duplicate analyses were not performed on samples in this sample set. A laboratory control sample was prepared and analyzed in the analytical sequence, using oxygen and nitrogen as the components. These gases were recovered well in that analysis. The method blank that was analyzed in association with the samples was free of contamination.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

Kristine Dusablon

Kristine A. Dusablon
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
313 Ushers Rd Ballston Lake NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: evans@hgl.com

Bill To:
Contact: "
Company: SAME
Address:
Phone:
Fax:
PO# OMA009-1081 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 245035

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 3.3 3.1

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
(Yes) No NA	Yes No (NA)
Sample Labels and COC Agree	
(Yes) No	COC not present

Sampler Name: J. Skaarup
Signature:
Project Name: MCA Barracks
Project Number: OMA009-081
Project/Location: Hunter AAF - Savannah, GA
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	ESK 175 (CO_3)	ESK 175 (Methane)	TOC 415.1	E310.1 Alkalinity	10 Wet Chem (Fe, NH_3, CrO_4, Al)	E300 Anions (NO_3, NO_2, CrO_4)	NO_3, NO_2 353.2 + 365.2			Additional Analyses / Remarks
		MCA-GWxx-15-0306	03-08-06	1730	W	G	X										
		EB 03 08 06	03-08-06	1830			X										
		MCA-GWxx-17-0306	030906	1015			X										
		MCA-GWxx-18-0306	030906	1305			X										
		MCA-GWxx-19-0306	030906	1550			X										
		MCA-GWxx-21-0306	030906	1800			X										
		MCA-GWxx-22-0306	031006	1420			X										
		EB 03 09 06	030906	1900			X										
		MCA-GWxx-25-0306	031006	1712			X										
		EB 03 10 06	031006	1900			X										
		MCA-GW HGL-18-0306	031106	1035			X	X	X	X	X	X	X	X			
2		MCA-GW HGL-1C-0306	031106	1415	↓	↓	X	X	X	X	X	X	X	X			

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	03-13-06	1730			3/14/06	1000
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
					STL VT	3-16-06	0930

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
E300 Bottle → Sulfate only

Date Received 3, 14, 06
Courier: FX **Hand Delivered** ☐
Bill of Lading

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
313 Ushers Rd. Ballston Lake NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only

Lab Lot# 245035

Package Sealed (Yes / No)	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	8 3
Within Hold Time? (Yes / No)	Preserv. Indicated Yes No NA
pH Check OK (Yes / No NA)	Res. Cl2 Check OK Yes No NA
Sample Labels and COC Agree (Yes / No)	COC not present

Sampler Name: J. Skaarup
Signature:
Project Name: MCA Barracks
Project Number: OMA009-001
Project/Location: Hunter AAF – Savannah, GA
Lab PM: Linda Mackley
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	RSK-175 (CO2)	RSK-175 (METHANE)	TOC 415.1	E310.1 Alkalinity	Total Metals Fe, Mn, Ca, Al	E300 Anions (Nitrate, Sulfate, Chloride)	NO3 NO2 by 353.2 or 365.2	Additional Analyses / Remarks
3		MCA-GWHGL-2B-0306	031106	1720	WG	G		3	40ml	1	X	X	X	X	X	X	X	X	
		EB031106	03/06	1900				1			X								
		EB031206	03206	1900				1			X								
4		MCA-GWHGL-2C-0306	031206	0859				3			X	X	X	X	X	X	X	X	
5		MCA-GWHGL-10B-0306	031206	1420				3			X	X	X	X	X	X	X	X	
6		MCA-GWHGL-10C-0306	031206	1655				3			X	X	X	X	X	X	X	X	
		MCA-GWDUP201-0306	031206	1217				3			X								
		TB031306	031306	1700				1			X								
7		MCA-GWHGL-9B-0306	031306	1125				3			X	X	X	X	X	X	X	X	Sample ID: MCA-GWHGL-9B-030
8		MCA-GWHGL-9C-0306	031306	1440				3			X	X	X	X	X	X	X	X	

RELINQUISHED BY: Linda Mackley COMPANY: HGL DATE: 03-13-06 TIME: 1720
RECEIVED BY: [signature] COMPANY: STL DATE: 3/14/06 TIME: 1000
RELINQUISHED BY: COMPANY: DATE: TIME:
RECEIVED BY: [signature] COMPANY: STLVT DATE: 3-15-06 TIME: 0930

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS: E 300 BOTTLE → SULFATE only

Date Received: 3, 14, 06
Courier: FX
Hand Delivered
Bill of Lading

SEVERN TRENT STL

RSK-175

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL1B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661276

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R011

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	8.0	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL1C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661277

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R021

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	80	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL2B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661278

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R031

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	23	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL2C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661279

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R041

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	50	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL9B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661282

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R071

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL9C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661283

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R081

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL10B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661280

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R051

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL10C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661281

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R061

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLKR032206A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: MBLKR032206A

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060838-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

R032206ALCS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: R032206ALCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060838-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	83	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix Spike - Sample No.: R032206ALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		83	114	70-130
Ethane	140		160	114	70-130
Ethene	130		150	115	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 3 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLKR032206A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Lab File ID: 22MA060838-R021 Lab Sample ID: MBLKR032206A

Date Analyzed: 03/22/06 Time Analyzed: 0902

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	R032206ALCS	R032206ALCS	22MA060838-R	0857
02	AGWHGL1B0306	661276	22MA060918-R	0951
03	AGWHGL1C0306	661277	22MA060918-R	0956
04	AGWHGL2B0306	661278	22MA060918-R	1001
05	AGWHGL2C0306	661279	22MA060918-R	1007
06	GWHGL10B0306	661280	22MA060918-R	1012
07	GWHGL10C0306	661281	22MA060918-R	1017
08	AGWHGL9B0306	661282	22MA060918-R	1023
09	AGWHGL9C0306	661283	22MA060918-R	1027
10				
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24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_1 Calibration Date(s): 03/02/06 03/02/06

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1011 1031

LAB FILE ID: RF1: 02MA060848-R0RF2: 02MA060848-R0RF3: 02MA060848-R0
RF4: 02MA060848-R0RF5: 02MA060848-R0

COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1527.660	1324.667	1511.288	1813.830	1317.939
Ethane	1330.337	1266.294	1473.103	1785.738	1593.906
Ethene	1225.301	1177.062	1398.504	1665.031	1416.140

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_1 Calibration Date(s): 03/02/06 03/02/06

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1011 1031

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Methane	AVRG	1499.07672	13.5
Ethane	AVRG	1489.87571	14.0
Ethene	AVRG	1376.40781	14.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_1 Calibration Date: 03/22/06 Time: 0826

Lab File ID: 22MA060803-R01 Init. Calib. Date(s): 03/02/06 03/02/06

Heated Purge: (Y/N) N Init. Calib. Times: 1011 1031

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1499.077	1403.548		6.4	30.0
Ethane	1489.876	1398.007		6.2	30.0
Ethene	1376.408	1345.323		2.2	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_1 Calibration Date: 03/22/06 Time: 1259

Lab File ID: 22MA061241-R01 Init. Calib. Date(s): 03/02/06 03/02/06

Heated Purge: (Y/N) N Init. Calib. Times: 1011 1031

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF2	MIN RRF	%D	MAX %D
Methane	1499.077	1871.389		24.8	30.0
Ethane	1489.876	1868.470		25.4	30.0
Ethene	1376.408	1788.094		29.9	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 03/02/06 03/02/06

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	03/02/06	1011		
02	CAL2	CAL2	03/02/06	1016		
03	CAL3	CAL3	03/02/06	1022		
04	CAL4	CAL4	03/02/06	1026		
05	CAL5	CAL5	03/02/06	1031		
06	ICV	ICV	03/02/06	1037		
07	CCV	CCV	03/22/06	0826		
08	R032206ALCS	R032206ALCS	03/22/06	0857		
09	MBLKR032206A	MBLKR032206A	03/22/06	0902		
10	AGWHGL1B0306	661276	03/22/06	0951		
11	AGWHGL1C0306	661277	03/22/06	0956		
12	AGWHGL2B0306	661278	03/22/06	1001		
13	AGWHGL2C0306	661279	03/22/06	1007		
14	GWHGL10B0306	661280	03/22/06	1012		
15	GWHGL10C0306	661281	03/22/06	1017		
16	AGWHGL9B0306	661282	03/22/06	1023		
17	AGWHGL9C0306	661283	03/22/06	1027		
18	CCV	CCV	03/22/06	1259		
19						
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31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

SEVERN TRENT STL

RSK-175 CO2

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL1B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661276

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R111

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	806	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL1C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661277

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R121

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL2B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661278

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R131

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL2C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661279

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R141

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL9B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661282

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R171

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL9C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661283

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R181

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL10B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661280

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R151

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL10C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: 661281

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061032-R161

Level: (low/med) LOW Date Received: 03/16/06

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLKR031706A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: MBLKR031706A

Sample wt/vol: _____ (g/mL) ML Lab File ID: 17MA061008-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

R031706ALCS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix: (soil/water) WATER Lab Sample ID: R031706ALCS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 17MA061008-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/17/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	AREA%	Q
7782-44-7	Oxygen		25	
7727-37-9	Nitrogen		75	

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Matrix Spike - Sample No.: R031706ALCS

COMPOUND	SPIKE ADDED (area%)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (area%)	LCS % REC #	QC. LIMITS REC.
Oxygen	22		25	114	70-130
Nitrogen	78		75	96	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLKR031706A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Lab File ID: 17MA061008-R021 Lab Sample ID: MBLKR031706A

Date Analyzed: 03/17/06 Time Analyzed: 1013

GC Column: CTR-1 ID: 6.35 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	R031706ALCS	R031706ALCS	17MA061008-R	1009
02	AGWHGL1B0306	661276	17MA061032-R	1139
03	AGWHGL1C0306	661277	17MA061032-R	1143
04	AGWHGL2B0306	661278	17MA061032-R	1147
05	AGWHGL2C0306	661279	17MA061032-R	1151
06	GWHGL10B0306	661280	17MA061032-R	1155
07	GWHGL10C0306	661281	17MA061032-R	1159
08	AGWHGL9B0306	661282	17MA061032-R	1204
09	AGWHGL9C0306	661283	17MA061032-R	1208
10				
11				
12				
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27				
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29				
30				

COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_2 Calibration Date(s): 03/03/06 03/03/06

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1012 1033

LAB FILE ID: RF500: 03MA060944-RF2500: 03MA060944RF5000: 03MA060944
RF7500: 03MA060944RF10000: 03MA06094

COMPOUND	RF500	RF2500	RF5000	RF7500	RF10000
Carbon Dioxide	0.524	0.483	0.481	0.701	0.862

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_2 Calibration Date(s): 03/03/06 03/03/06

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1012 1033

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Carbon Dioxide	AVRG	0.61002453	27.4

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_2 Calibration Date: 03/17/06 Time: 0946

Lab File ID: 17MA060940-R01 Init. Calib. Date(s): 03/03/06 03/03/06

Heated Purge: (Y/N) N Init. Calib. Times: 1012 1033

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF 5000	MIN RRF	%D	MAX %D
Carbon Dioxide	0.610	0.569		6.7	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

Instrument ID: 2866_2 Calibration Date: 03/17/06 Time: 1224

Lab File ID: 17MA061220-R01 Init. Calib. Date(s): 03/03/06 03/03/06

Heated Purge: (Y/N) N Init. Calib. Times: 1012 1033

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF 2500	MIN RRF	%D	MAX %D
Carbon Dioxide	0.610	0.498		18.4	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s): 03/03/06 03/03/06

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	03/03/06	1012		
02	CAL2	CAL2	03/03/06	1017		
03	CAL3	CAL3	03/03/06	1024		
04	CAL4	CAL4	03/03/06	1028		
05	CAL5	CAL5	03/03/06	1033		
06	ICV	ICV	03/03/06	1321		
07	CCV	CCV	03/17/06	0946		
08	MBLKR031706A	MBLKR031706A	03/17/06	1013		
09	AGWHGL1B0306	661276	03/17/06	1139		
10	AGWHGL1C0306	661277	03/17/06	1143		
11	AGWHGL2B0306	661278	03/17/06	1147		
12	AGWHGL2C0306	661279	03/17/06	1151		
13	GWHGL10B0306	661280	03/17/06	1155		
14	GWHGL10C0306	661281	03/17/06	1159		
15	AGWHGL9B0306	661282	03/17/06	1204		
16	AGWHGL9C0306	661283	03/17/06	1208		
17	CCV	CCV	03/17/06	1224		
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245035

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s):

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	R031706ALCS	R031706ALCS	03/17/06	1009		
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
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32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 245017

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 03/28/2006

Linda S Mackley
Signature

3-28-06
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (90) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF-OMA009-001
Job Number: 245017
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. All Method Blanks had all target compounds below the reporting limits.

3. All LCS (Laboratory Control Samples) samples had spike recoveries within the QAPP specified QC limits. The ICV 16S0315 had Dichlorodifluoromethane (79.10%) outside the QAPP specified QC limits of 80-120. All other compounds were within the QAPP specified QC limits.

4. MS/MSD (Matrix Spike/Matrix Spike Duplicate) analyses were not performed on this sample set.

5. All volatile samples had surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. All samples were analyzed following SW846 Method 8260B and 8000B. CCV (Continuing Calibration Verification) standard 16c0322 had Bromomethane (36.1%D) and 2,2-Dichloropropane (22.8%D) above the QAPP specified calibration criteria of less than 20%D. All other calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. Samples 6 and 7 required secondary dilutions for target compounds. The water results and reporting limits were adjusted to account for the dilution and analytical procedure.

Brian D. Werner
GC/MS VOA Dept.

3/28/06
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 03/28/2006

Job Number.: 245017
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
245017-1	MCA-GWXX-15-0306	Water	03/08/2006	17:30	03/14/2006	10:00
245017-2	EB030806	Water	03/08/2006	18:30	03/14/2006	10:00
245017-3	MCA-GWXX-17-0306	Water	03/09/2006	10:45	03/14/2006	10:00
245017-4	MCA-GWXX-18-0306	Water	03/09/2006	13:05	03/14/2006	10:00
245017-5	MCA-GWXX-19-0306	Water	03/09/2006	15:50	03/14/2006	10:00
245017-6	MCA-GWXX-21-0306	Water	03/09/2006	18:00	03/14/2006	10:00
245017-7	MCA-GWXX-22-0306	Water	03/10/2006	14:20	03/14/2006	10:00
245017-8	EB030906	Water	03/09/2006	19:00	03/14/2006	10:00
245017-9	MCA-GWXX-25-0306	Water	03/10/2006	17:12	03/14/2006	10:00
245017-10	EB031006	Water	03/10/2006	19:00	03/14/2006	10:00
245017-11	MCA-GWHGL-1B-0306	Water	03/11/2006	10:35	03/14/2006	10:00
245017-12	MCA-GWHGL-1C-0306	Water	03/11/2006	14:15	03/14/2006	10:00
245017-13	MCA-GWHGL-2B-0306	Water	03/11/2006	17:20	03/14/2006	10:00
245017-14	EB031106	Water	03/11/2006	19:00	03/14/2006	10:00
245017-15	EB031206	Water	03/12/2006	19:00	03/14/2006	10:00
245017-16	MCA-GWHGL-2C-0306	Water	03/12/2006	10:50	03/14/2006	10:00
245017-17	MCA-GWHGL-10B-0306	Water	03/12/2006	14:20	03/14/2006	10:00
245017-18	MCA-GWHGL-10C-0306	Water	03/12/2006	16:55	03/14/2006	10:00
245017-19	MCA-GWDUP201-0306	Water	03/12/2006	12:17	03/14/2006	10:00
245017-20	TB031306	Water	03/13/2006	17:00	03/14/2006	10:00
245017-21	MCA-GWHGL-9B-0306	Water	03/13/2006	11:25	03/14/2006	10:00
245017-22	MCA-GWHGL-9C-0306	Water	03/13/2006	14:40	03/14/2006	10:00

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017 Date: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-15-0306
Date Sampled.....: 03/08/2006
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 245017-1
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-15-0306
Date Sampled.....: 03/08/2006
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 245017-1
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-15-0306
Date Sampled.....: 03/08/2006
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 245017-1
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: EB030806
Date Sampled.....: 03/08/2006
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 245017-2
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB030806
Date Sampled.....: 03/08/2006
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 245017-2
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB030806
Date Sampled.....: 03/08/2006
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 245017-2
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1344	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-17-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 245017-3
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Trichloroethene	0.93	J		0.13	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-17-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 245017-3
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-17-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 245017-3
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1409	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-18-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 245017-4
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	cis-1,2-Dichloroethene	86			0.20	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-18-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 245017-4
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-18-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 245017-4
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1433	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-19-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 245017-5
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-19-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 245017-5
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-19-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 245017-5
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1458	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-21-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-6
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Vinyl chloride	2.1			0.16	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1-Dichloroethene	7.3			0.25	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	trans-1,2-Dichloroethene	7.8			0.29	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	cis-1,2-Dichloroethene	1000			2.0	10	10.0000	ug/L	176384	D1	03/20/06 1548	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Benzene	1.1			0.23	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Trichloroethene	240			1.3	10	10.0000	ug/L	176384	D1	03/20/06 1548	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-21-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-6
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-21-0306
Date Sampled.....: 03/09/2006
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-6
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1523	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-22-0306
Date Sampled.....: 03/10/2006
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-7
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Vinyl chloride	6.9			0.16	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	trans-1,2-Dichloroethene	1.6			0.29	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	cis-1,2-Dichloroethene	37			0.20	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Trichloroethene	160			1.3	10	10.0000	ug/L	176597	D1	03/22/06 1320	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-22-0306
Date Sampled.....: 03/10/2006
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-7
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-22-0306
Date Sampled.....: 03/10/2006
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-7
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1613	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB030906
Date Sampled.....: 03/09/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-8
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB030906
Date Sampled.....: 03/09/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-8
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: EB030906
Date Sampled.....: 03/09/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-8
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1638	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-25-0306
Date Sampled.....: 03/10/2006
Time Sampled.....: 17:12
Sample Matrix.....: Water

Laboratory Sample ID: 245017-9
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-25-0306
Date Sampled.....: 03/10/2006
Time Sampled.....: 17:12
Sample Matrix.....: Water

Laboratory Sample ID: 245017-9
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-25-0306
Date Sampled.....: 03/10/2006
Time Sampled.....: 17:12
Sample Matrix.....: Water

Laboratory Sample ID: 245017-9
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1702	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031006
Date Sampled.....: 03/10/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-10
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031006
Date Sampled.....: 03/10/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-10
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017 Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031006
Date Sampled.....: 03/10/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-10
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1727	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-1B-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 245017-11
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	13			1.4	5.0	1	mg/L	176364		03/20/06 1921	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	8.6			0.40	1.0	5.00	mg/L	176879		03/23/06 1455	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	175819		03/15/06 1110	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.16			0.034	0.15	1	mg/L	176053		03/17/06 0806	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.2			0.36	1.0	1	mg/L	176648		03/23/06 0843	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	0.96			0.034	0.10	1	mg/L	176948		03/27/06 1306	tds
	Manganese	0.039			0.00044	0.010	1	mg/L	176948		03/27/06 1306	tds
	Aluminum	0.17	B		0.013	0.20	1	mg/L	176948		03/27/06 1306	tds
	Calcium	4.7			0.057	0.10	1	mg/L	176948		03/27/06 1306	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-1B-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 245017-11
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-1B-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 245017-11
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1752	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-1C-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 245017-12
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	33			1.4	5.0	1	mg/L	176364		03/20/06 1930	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	4.2			0.080	0.20	1.00	mg/L	176879		03/23/06 1537	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	175819		03/15/06 1112	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	3.0			0.034	0.15	1	mg/L	176053		03/17/06 0806	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	0.94	B		0.36	1.0	1	mg/L	176648		03/23/06 0858	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	4.1			0.034	0.10	1	mg/L	176948		03/27/06 1310	tds
	Manganese	0.061			0.00044	0.010	1	mg/L	176948		03/27/06 1310	tds
	Aluminum	0.38			0.013	0.20	1	mg/L	176948		03/27/06 1310	tds
	Calcium	7.1			0.057	0.10	1	mg/L	176948		03/27/06 1310	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWNGL-1C-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 245017-12
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-1C-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 245017-12
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1817	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-2B-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-13
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	140			1.4	5.0	1	mg/L	176364		03/20/06 1938	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	8.5			0.40	1.0	5.00	mg/L	176879		03/23/06 1551	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	175819		03/15/06 1118	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	1.0			0.034	0.15	1	mg/L	176053		03/17/06 0807	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.6			0.36	1.0	1	mg/L	176648		03/23/06 0914	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	1.3			0.034	0.10	1	mg/L	176948		03/27/06 1315	tds
	Manganese	0.039			0.00044	0.010	1	mg/L	176948		03/27/06 1315	tds
	Aluminum	2.1			0.013	0.20	1	mg/L	176948		03/27/06 1315	tds
	Calcium	35			0.057	0.10	1	mg/L	176948		03/27/06 1315	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-2B-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-13
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-2B-0306
Date Sampled.....: 03/11/2006
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-13
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1841	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031106
Date Sampled.....: 03/11/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-14
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031106
Date Sampled.....: 03/11/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-14
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB031106
Date Sampled.....: 03/11/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-14
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1906	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031206
Date Sampled.....: 03/12/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-15
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031206
Date Sampled.....: 03/12/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-15
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031206
Date Sampled.....: 03/12/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-15
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1931	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-2C-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 10:50
Sample Matrix.....: Water

Laboratory Sample ID: 245017-16
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	150			1.4	5.0	1	mg/L	176364		03/20/06 1946	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	5.5			0.16	0.40	2.00	mg/L	176879		03/23/06 1604	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	175819		03/15/06 1120	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	1.7			0.034	0.15	1	mg/L	176053		03/17/06 0807	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	3.6			0.36	1.0	1	mg/L	176648		03/23/06 0930	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	2.4			0.034	0.10	1	mg/L	176948		03/27/06 1319	tds
	Manganese	0.060			0.00044	0.010	1	mg/L	176948		03/27/06 1319	tds
	Aluminum	2.3			0.013	0.20	1	mg/L	176948		03/27/06 1319	tds
	Calcium	48			0.057	0.10	1	mg/L	176948		03/27/06 1319	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-2C-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 10:50
Sample Matrix.....: Water

Laboratory Sample ID: 245017-16
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Benzene	0.91	J		0.23	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-2C-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 10:50
Sample Matrix.....: Water

Laboratory Sample ID: 245017-16
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176384		03/20/06 1956	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-10B-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-17
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	21			1.4	5.0	1	mg/L	176364		03/20/06 1954	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	6.0			0.40	1.0	5.00	mg/L	176879		03/23/06 1618	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.37			0.025	0.10	1	mg/L	176835		03/27/06 0828	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	2.7			0.034	0.15	1	mg/L	176053		03/17/06 0808	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.5			0.36	1.0	1	mg/L	176648		03/23/06 0946	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	12			0.034	0.10	1	mg/L	176948		03/27/06 1324	tds
	Manganese	0.10			0.00044	0.010	1	mg/L	176948		03/27/06 1324	tds
	Aluminum	15			0.013	0.20	1	mg/L	176948		03/27/06 1324	tds
	Calcium	7.9			0.057	0.10	1	mg/L	176948		03/27/06 1324	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-108-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-17
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-10B-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 245017-17
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176597		03/22/06 1345	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-10C-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 16:55
Sample Matrix.....: Water

Laboratory Sample ID: 245017-18
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	14			1.4	5.0	1	mg/L	176364		03/20/06 2002	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	11			0.40	1.0	5.00	mg/L	176879		03/23/06 1632	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.075	B		0.025	0.10	1	mg/L	176835		03/27/06 0830	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	3.6			0.068	0.30	2	mg/L	176053		03/17/06 0808	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.0			0.36	1.0	1	mg/L	176648		03/23/06 1002	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	7.2			0.034	0.10	1	mg/L	176948		03/27/06 1329	tds
	Manganese	0.073			0.00044	0.010	1	mg/L	176948		03/27/06 1329	tds
	Aluminum	8.4			0.013	0.20	1	mg/L	176948		03/27/06 1329	tds
	Calcium	7.0			0.057	0.10	1	mg/L	176948		03/27/06 1329	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-10C-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 16:55
Sample Matrix.....: Water

Laboratory Sample ID: 245017-18
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-10C-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 16:55
Sample Matrix.....: Water

Laboratory Sample ID: 245017-18
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176597		03/22/06 1410	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP201-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 12:17
Sample Matrix.....: Water

Laboratory Sample ID: 245017-19
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP201-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 12:17
Sample Matrix.....: Water

Laboratory Sample ID: 245017-19
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1435	jdn

* In Description = Dry Wgt.

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Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP201-0306
Date Sampled.....: 03/12/2006
Time Sampled.....: 12:17
Sample Matrix.....: Water

Laboratory Sample ID: 245017-19
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176597		03/22/06 1435	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176597		03/22/06 1435	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245017

Date: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031306
Date Sampled.....: 03/13/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-20
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031306
Date Sampled.....: 03/13/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-20
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031306
Date Sampled.....: 03/13/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245017-20
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176597		03/22/06 1500	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-9B-0306
Date Sampled.....: 03/13/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245017-21
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	5.0	U		1.4	5.0	1	mg/L	176364		03/20/06 2010	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	37			0.40	1.0	5.00	mg/L	176879		03/23/06 1714	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.35			0.025	0.10	1	mg/L	176835		03/27/06 0832	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.058	B		0.034	0.15	1	mg/L	176053		03/17/06 0808	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	0.89	B		0.36	1.0	1	mg/L	176648		03/23/06 1018	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	0.76			0.034	0.10	1	mg/L	176948		03/27/06 1333	tds
	Manganese	0.087			0.00044	0.010	1	mg/L	176948		03/27/06 1333	tds
	Aluminum	0.64			0.013	0.20	1	mg/L	176948		03/27/06 1333	tds
	Calcium	5.0			0.057	0.10	1	mg/L	176948		03/27/06 1333	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-9B-0306
Date Sampled.....: 03/13/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245017-21
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	1.1	J		0.15	5.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-9B-0306
Date Sampled.....: 03/13/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245017-21
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176597		03/22/06 1524	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-9C-0306
Date Sampled.....: 03/13/2006
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 245017-22
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	5.0	U		1.4	5.0	1	mg/L	176364		03/20/06 2018	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	76			0.80	2.0	10.00	mg/L	176879		03/23/06 1728	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.099	B		0.025	0.10	1	mg/L	176835		03/27/06 0834	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.064	B		0.034	0.15	1	mg/L	176053		03/17/06 0809	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.5			0.36	1.0	1	mg/L	176648		03/23/06 1049	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	7.9			0.034	0.10	1	mg/L	176948		03/27/06 1338	tds
	Manganese	0.061			0.00044	0.010	1	mg/L	176948		03/27/06 1338	tds
	Aluminum	0.96			0.013	0.20	1	mg/L	176948		03/27/06 1338	tds
	Calcium	3.7			0.057	0.10	1	mg/L	176948		03/27/06 1338	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-9C-0306
Date Sampled.....: 03/13/2006
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 245017-22
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	cis-1,2-Dichloroethene	1.2			0.20	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Trichloroethene	1.7			0.13	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245017

LABORATORY TEST RESULTS

Date:03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-9C-0306
Date Sampled.....: 03/13/2006
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 245017-22
Date Received.....: 03/14/2006
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176597		03/22/06 1549	jdn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 245017

Date: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245017-1 Client ID: MCA-GWXX-15-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
EDD	Electronic Data Deliverable
PKG INO (WC)	PKG INO (WET CHEMISTRY)
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/08/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1319	
1				
1				
1	176384	176376	03/20/2006 1319	1.00000

Lab ID: 245017-2 Client ID: EB030806

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/08/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1344	
1	176384	176376	03/20/2006 1344	1.00000

Lab ID: 245017-3 Client ID: MCA-GWXX-17-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/09/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1409	
1	176384	176376	03/20/2006 1409	1.00000

Lab ID: 245017-4 Client ID: MCA-GWXX-18-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/09/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1433	
1	176384	176376	03/20/2006 1433	1.00000

Lab ID: 245017-5 Client ID: MCA-GWXX-19-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/09/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1458	
1	176384	176376	03/20/2006 1458	1.00000

Lab ID: 245017-6 Client ID: MCA-GWXX-21-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/09/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1523	
2	176376		03/20/2006 1548	
1	176384	176376	03/20/2006 1523	1.00000
1	176384	176376	03/20/2006 1548	10.0000

Lab ID: 245017-7 Client ID: MCA-GWXX-22-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/10/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1613	
2	176593		03/22/2006 1320	
1	176384	176376	03/20/2006 1613	1.00000
1	176597	176593	03/22/2006 1320	10.0000

Lab ID: 245017-8 Client ID: EB030906

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/09/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1638	
1	176384	176376	03/20/2006 1638	1.00000

Lab ID: 245017-9 Client ID: MCA-GWXX-25-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/10/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1702	
1	176384	176376	03/20/2006 1702	1.00000

Lab ID: 245017-10 Client ID: EB031006

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

Date Recvd: 03/14/2006 Sample Date: 03/10/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1727	
1	176384	176376	03/20/2006 1727	1.00000

Lab ID: 245017-11 Client ID: MCA-GWHGL-18-0306

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep

Date Recvd: 03/14/2006 Sample Date: 03/11/2006

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1	176376		03/20/2006 1752	

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LABORATORY CHRONICLE

Job Number: 245017 Date: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245017-11 Client ID: MCA-GWHGL-1B-0306

Date Recvd: 03/14/2006 Sample Date: 03/11/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176364	176364	03/20/2006	1921	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1455	5.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1306	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	175819	175819	03/15/2006	1110	
415.1	Organic Carbon	1	176648	176648	03/23/2006	0843	
365.2	Phosphorous, All Forms	1	176053	176053	03/17/2006	0806	
8260B	Volatile Organics	1	176384	176376	03/20/2006	1752	1.00000

Lab ID: 245017-12 Client ID: MCA-GWHGL-1C-0306

Date Recvd: 03/14/2006 Sample Date: 03/11/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176376		03/20/2006	1817	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176364	176364	03/20/2006	1930	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1537	1.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1310	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	175819	175819	03/15/2006	1112	
415.1	Organic Carbon	1	176648	176648	03/23/2006	0858	
365.2	Phosphorous, All Forms	1	176053	176053	03/17/2006	0806	
8260B	Volatile Organics	1	176384	176376	03/20/2006	1817	1.00000

Lab ID: 245017-13 Client ID: MCA-GWHGL-2B-0306

Date Recvd: 03/14/2006 Sample Date: 03/11/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176376		03/20/2006	1841	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176364	176364	03/20/2006	1938	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1551	5.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1315	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	175819	175819	03/15/2006	1118	
415.1	Organic Carbon	1	176648	176648	03/23/2006	0914	
365.2	Phosphorous, All Forms	1	176053	176053	03/17/2006	0807	
8260B	Volatile Organics	1	176384	176376	03/20/2006	1841	1.00000

Lab ID: 245017-14 Client ID: EB031106

Date Recvd: 03/14/2006 Sample Date: 03/11/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176376		03/20/2006	1906	
8260B	Volatile Organics	1	176384	176376	03/20/2006	1906	1.00000

Lab ID: 245017-15 Client ID: EB031206

Date Recvd: 03/14/2006 Sample Date: 03/12/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176376		03/20/2006	1931	
8260B	Volatile Organics	1	176384	176376	03/20/2006	1931	1.00000

Lab ID: 245017-16 Client ID: MCA-GWHGL-2C-0306

Date Recvd: 03/14/2006 Sample Date: 03/12/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176376		03/20/2006	1956	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176364	176364	03/20/2006	1946	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1604	2.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1319	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	175819	175819	03/15/2006	1120	
415.1	Organic Carbon	1	176648	176648	03/23/2006	0930	
365.2	Phosphorous, All Forms	1	176053	176053	03/17/2006	0807	
8260B	Volatile Organics	1	176384	176376	03/20/2006	1956	1.00000

Lab ID: 245017-17 Client ID: MCA-GWHGL-10B-0306

Date Recvd: 03/14/2006 Sample Date: 03/12/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176593		03/22/2006	1345	

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LABORATORY CHRONICLE

Job Number: 245017

Date: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245017-17 Client ID: MCA-GWHGL-10B-0306

Date Recvd: 03/14/2006 Sample Date: 03/12/2006

METHOD	DESCRIPTION
3010A	Acid Digestion (ICAP)
310.1	Alkalinity
300.0	Ion Chromatography Analysis
6010B	Metals Analysis (ICAP Trace)
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)
415.1	Organic Carbon
365.2	Phosphorous, All Forms
8260B	Volatile Organics

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	176088		06/17/2006	1120	
1	176364	176364	03/20/2006	1954	
1	176879	176879	03/23/2006	1618	5.00
1	176948	176088	03/27/2006	1324	
1	176835	176835	03/27/2006	0828	
1	176648	176648	03/23/2006	0946	
1	176053	176053	03/17/2006	0808	
1	176597	176593	03/22/2006	1345	1.00000

Lab ID: 245017-18 Client ID: MCA-GWHGL-10C-0306

Date Recvd: 03/14/2006 Sample Date: 03/12/2006

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
3010A	Acid Digestion (ICAP)
310.1	Alkalinity
300.0	Ion Chromatography Analysis
6010B	Metals Analysis (ICAP Trace)
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)
415.1	Organic Carbon
365.2	Phosphorous, All Forms
8260B	Volatile Organics

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	176593		03/22/2006	1410	
1	176088		06/17/2006	1120	
1	176364	176364	03/20/2006	2002	
1	176879	176879	03/23/2006	1632	5.00
1	176948	176088	03/27/2006	1329	
1	176835	176835	03/27/2006	0830	
1	176648	176648	03/23/2006	1002	
1	176053	176053	03/17/2006	0808	Z
1	176597	176593	03/22/2006	1410	1.00000

Lab ID: 245017-19 Client ID: MCA-GWDUP201-0306

Date Recvd: 03/14/2006 Sample Date: 03/12/2006

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	176593		03/22/2006	1435	
1	176597	176593	03/22/2006	1435	1.00000

Lab ID: 245017-20 Client ID: TB031306

Date Recvd: 03/14/2006 Sample Date: 03/13/2006

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
8260B	Volatile Organics

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	176593		03/22/2006	1500	
1	176597	176593	03/22/2006	1500	1.00000

Lab ID: 245017-21 Client ID: MCA-GWHGL-9B-0306

Date Recvd: 03/14/2006 Sample Date: 03/13/2006

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
3010A	Acid Digestion (ICAP)
310.1	Alkalinity
300.0	Ion Chromatography Analysis
6010B	Metals Analysis (ICAP Trace)
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)
415.1	Organic Carbon
365.2	Phosphorous, All Forms
8260B	Volatile Organics

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	176593		03/22/2006	1524	
1	176088		06/17/2006	1120	
1	176364	176364	03/20/2006	2010	
1	176879	176879	03/23/2006	1714	5.00
1	176948	176088	03/27/2006	1333	
1	176835	176835	03/27/2006	0832	
1	176648	176648	03/23/2006	1018	
1	176053	176053	03/17/2006	0808	
1	176597	176593	03/22/2006	1524	1.00000

Lab ID: 245017-22 Client ID: MCA-GWHGL-9C-0306

Date Recvd: 03/14/2006 Sample Date: 03/13/2006

METHOD	DESCRIPTION
5030B	5030 10 mL Purge Prep
3010A	Acid Digestion (ICAP)
310.1	Alkalinity
300.0	Ion Chromatography Analysis
6010B	Metals Analysis (ICAP Trace)
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)
415.1	Organic Carbon
365.2	Phosphorous, All Forms
8260B	Volatile Organics

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	176593		03/22/2006	1549	
1	176088		06/17/2006	1120	
1	176364	176364	03/20/2006	2018	
1	176879	176879	03/23/2006	1728	10.00
1	176948	176088	03/27/2006	1338	
1	176835	176835	03/27/2006	0834	
1	176648	176648	03/23/2006	1049	
1	176053	176053	03/17/2006	0809	
1	176597	176593	03/22/2006	1549	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 176384

Prep Batch..: 176376

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			03/20/2006	101	103	102	103
MB			03/20/2006	103	99	100	99
245017- 1		MCA-GWXX-15-0306	03/20/2006	105	99	105	100
245017- 2		EB030806	03/20/2006	106	98	105	100
245017- 3		MCA-GWXX-17-0306	03/20/2006	107	99	106	99
245017- 4		MCA-GWXX-18-0306	03/20/2006	107	98	105	100
245017- 5		MCA-GWXX-19-0306	03/20/2006	106	99	105	100
245017- 6		MCA-GWXX-21-0306	03/20/2006	108	99	109	99
245017- 6	D1	MCA-GWXX-21-0306	03/20/2006	103	97	104	99
245017- 7		MCA-GWXX-22-0306	03/20/2006	109	98	104	101
245017- 8		EB030906	03/20/2006	109	99	106	101
245017- 9		MCA-GWXX-25-0306	03/20/2006	107	99	108	101
245017- 10		EB031006	03/20/2006	107	97	107	100
245017- 11		MCA-GWHGL-1B-0306	03/20/2006	108	99	107	100
245017- 12		MCA-GWHGL-1C-0306	03/20/2006	108	98	108	101
245017- 13		MCA-GWHGL-2B-0306	03/20/2006	109	98	108	100
245017- 14		EB031106	03/20/2006	109	97	108	101
245017- 15		EB031206	03/20/2006	110	97	110	100
245017- 16		MCA-GWHGL-2C-0306	03/20/2006	111	98	109	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 176597

Prep Batch..: 176593

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			03/22/2006	97	98	101	97
MB			03/22/2006	96	96	97	95
245017- 7	D1	MCA-GWXX-22-0306	03/22/2006	94	93	96	94
245017- 17		MCA-GWHGL-10B-0306	03/22/2006	100	95	98	95
245017- 18		MCA-GWHGL-10C-0306	03/22/2006	99	94	98	94
245017- 19		MCA-GWDUP201-0306	03/22/2006	101	95	99	95
245017- 20		TB031306	03/22/2006	101	97	97	94
245017- 21		MCA-GWHGL-9B-0306	03/22/2006	102	94	97	94
245017- 22		MCA-GWHGL-9C-0306	03/22/2006	100	94	97	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C20DSA	176376-002		03/20/2006	0936

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 176384

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.909		25.000	1.000 U	60	%	24-171	
Chloromethane	ug/L	19.507		25.000	1.000 U	78	%	31-182	
Vinyl chloride	ug/L	20.091		25.000	1.000 U	80	%	50-145	
Bromomethane	ug/L	27.613		25.000	1.000 U	110	%	31-188	
Chloroethane	ug/L	23.016		25.000	1.000 U	92	%	58-148	
Trichlorofluoromethane	ug/L	25.477		25.000	1.000 U	102	%	54-142	
1,1-Dichloroethene	ug/L	25.188		25.000	1.000 U	101	%	51-136	
Carbon disulfide	ug/L	24.783		25.000	5.000 U	99	%	21-111	
Acetone	ug/L	29.903		25.000	5.000 U	120	%	14-177	
Methylene chloride	ug/L	24.242		25.000	1.000 U	97	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.884		25.000	1.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.033		25.000	1.000 U	100	%	55-142	
1,1-Dichloroethane	ug/L	25.113		25.000	1.000 U	100	%	70-124	
2,2-Dichloropropane	ug/L	26.489		25.000	1.000 U	106	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.348		25.000	1.000 U	101	%	70-125	
2-Butanone (MEK)	ug/L	23.923		25.000	5.000 U	96	%	29-139	
Bromochloromethane	ug/L	24.092		25.000	1.000 U	96	%	57-116	
Chloroform	ug/L	25.401		25.000	1.000 U	102	%	75-122	
1,1,1-Trichloroethane	ug/L	26.575		25.000	1.000 U	106	%	70-127	
1,1-Dichloropropene	ug/L	25.803		25.000	1.000 U	103	%	70-125	
Carbon tetrachloride	ug/L	26.784		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	24.366		25.000	1.000 U	97	%	75-122	
1,2-Dichloroethane	ug/L	25.323		25.000	1.000 U	101	%	67-120	
Trichloroethene	ug/L	25.026		25.000	1.000 U	100	%	70-125	
1,2-Dichloropropane	ug/L	24.346		25.000	1.000 U	97	%	76-116	
Dibromomethane	ug/L	24.667		25.000	1.000 U	99	%	68-116	
Bromodichloromethane	ug/L	27.527		25.000	1.000 U	110	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.484		26.000	1.000 U	90	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.850		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	25.604		25.000	1.000 U	102	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.699		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	25.159		25.000	1.000 U	101	%	63-127	
Tetrachloroethene	ug/L	24.956		25.000	1.000 U	100	%	45-150	
1,3-Dichloropropane	ug/L	25.241		25.000	1.000 U	101	%	72-118	
2-Hexanone	ug/L	24.451		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	23.665		25.000	1.000 U	95	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	25.900		25.000	1.000 U	104	%	62-123	
Chlorobenzene	ug/L	24.932		25.000	1.000 U	100	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.003		25.000	1.000 U	104	%	77-120	
Ethylbenzene	ug/L	25.924		25.000	1.000 U	104	%	75-125	
m&p-Xylenes	ug/L	52.588		50.000	2.000 U	105	%	75-123	
o-Xylene	ug/L	26.056		25.000	1.000 U	104	%	76-121	
Styrene	ug/L	24.850		25.000	1.000 U	99	%	77-128	
Bromoform	ug/L	23.167		25.000	1.000 U	93	%	65-115	
Isopropylbenzene	ug/L	22.338		25.000	1.000 U	89	%	64-119	
Bromobenzene	ug/L	24.910		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.388		25.000	1.000 U	98	%	61-122	
1,2,3-Trichloropropane	ug/L	23.090		25.000	1.000 U	92	%	62-124	
n-Propylbenzene	ug/L	25.734		25.000	1.000 U	103	%	69-132	
2-Chlorotoluene	ug/L	25.070		25.000	1.000 U	100	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245017

QUALITY CONTROL RESULTS

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C20DSA	176376-002		03/20/2006	0936

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	25.460		25.000	1.000 U	102	%	70-132	
4-Chlorotoluene	ug/L	24.942		25.000	1.000 U	100	%	70-126	
tert-Butylbenzene	ug/L	25.156		25.000	1.000 U	101	%	70-133	
1,2,4-Trimethylbenzene	ug/L	25.723		25.000	1.000 U	103	%	71-131	
sec-Butylbenzene	ug/L	25.444		25.000	1.000 U	102	%	70-134	
p-Isopropyltoluene	ug/L	23.969		25.000	1.000 U	96	%	66-130	
n-Butylbenzene	ug/L	25.580		25.000	1.000 U	102	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.479		25.000	1.000 U	82	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.346		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176376-001		03/20/2006	0911

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 176384

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176376-001		03/20/2006	0911

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C22DSA	176593-002		03/22/2006	1206

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 176597

Analyst...: jdh

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	19.791		25.000	1.000 U	79	%	24-171	
Chloromethane	ug/L	21.113		25.000	1.000 U	84	%	31-182	
Vinyl chloride	ug/L	21.872		25.000	1.000 U	87	%	50-145	
Bromomethane	ug/L	17.201		25.000	1.000 U	69	%	31-188	
Chloroethane	ug/L	21.749		25.000	1.000 U	87	%	58-148	
Trichlorofluoromethane	ug/L	24.598		25.000	1.000 U	98	%	54-142	
1,1-Dichloroethene	ug/L	23.788		25.000	1.000 U	95	%	51-136	
Carbon disulfide	ug/L	22.163		25.000	5.000 U	89	%	21-111	
Acetone	ug/L	30.932		25.000	5.000 U	124	%	14-177	
Methylene chloride	ug/L	23.633		25.000	1.000 U	95	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.392		25.000	1.000 U	82	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	22.676		25.000	1.000 U	91	%	55-142	
1,1-Dichloroethane	ug/L	25.332		25.000	1.000 U	101	%	70-124	
2,2-Dichloropropane	ug/L	27.741		25.000	1.000 U	111	%	68-127	
cis-1,2-Dichloroethene	ug/L	26.687		25.000	1.000 U	107	%	70-125	
2-Butanone (MEK)	ug/L	27.135		25.000	5.000 U	109	%	29-139	
Bromochloromethane	ug/L	24.970		25.000	1.000 U	100	%	57-116	
Chloroform	ug/L	26.384		25.000	1.000 U	106	%	75-122	
1,1,1-Trichloroethane	ug/L	26.200		25.000	1.000 U	105	%	70-127	
1,1-Dichloropropene	ug/L	26.147		25.000	1.000 U	105	%	70-125	
Carbon tetrachloride	ug/L	25.057		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	24.170		25.000	1.000 U	97	%	75-122	
1,2-Dichloroethane	ug/L	24.771		25.000	1.000 U	99	%	67-120	
Trichloroethene	ug/L	24.934		25.000	1.000 U	100	%	70-125	
1,2-Dichloropropane	ug/L	24.980		25.000	1.000 U	100	%	76-116	
Dibromomethane	ug/L	24.905		25.000	1.000 U	100	%	68-116	
Bromodichloromethane	ug/L	27.079		25.000	1.000 U	108	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.422		26.000	1.000 U	94	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.913		25.000	5.000 U	104	%	39-137	
Toluene	ug/L	24.759		25.000	1.000 U	99	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.614		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	25.775		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	25.912		25.000	1.000 U	104	%	45-150	
1,3-Dichloropropane	ug/L	25.376		25.000	1.000 U	102	%	72-118	
2-Hexanone	ug/L	25.604		25.000	5.000 U	102	%	36-144	
Dibromochloromethane	ug/L	22.614		25.000	1.000 U	90	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	25.491		25.000	1.000 U	102	%	62-123	
Chlorobenzene	ug/L	24.256		25.000	1.000 U	97	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.122		25.000	1.000 U	100	%	77-120	
Ethylbenzene	ug/L	25.267		25.000	1.000 U	101	%	75-125	
m&p-Xylenes	ug/L	51.847		50.000	2.000 U	104	%	75-123	
o-Xylene	ug/L	25.740		25.000	1.000 U	103	%	76-121	
Styrene	ug/L	24.429		25.000	1.000 U	98	%	77-128	
Bromoform	ug/L	21.352		25.000	1.000 U	85	%	65-115	
Isopropylbenzene	ug/L	23.225		25.000	1.000 U	93	%	64-119	
Bromobenzene	ug/L	25.031		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.768		25.000	1.000 U	99	%	61-122	
1,2,3-Trichloropropane	ug/L	24.436		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	26.327		25.000	1.000 U	105	%	69-132	
2-Chlorotoluene	ug/L	25.765		25.000	1.000 U	103	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245017

QUALITY CONTROL RESULTS

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C22DSA	176593-002		03/22/2006	1206

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	25.859		25.000	1.000 U	103	%	70-132	
4-Chlorotoluene	ug/L	25.510		25.000	1.000 U	102	%	70-126	
tert-Butylbenzene	ug/L	26.068		25.000	1.000 U	104	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.581		25.000	1.000 U	106	%	71-131	
sec-Butylbenzene	ug/L	25.740		25.000	1.000 U	103	%	70-134	
p-Isopropyltoluene	ug/L	24.257		25.000	1.000 U	97	%	66-130	
n-Butylbenzene	ug/L	25.846		25.000	1.000 U	103	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.323		25.000	1.000 U	81	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.268		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245017

QUALITY CONTROL RESULTS

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176593-001		03/22/2006	1141

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 176597

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245017

QUALITY CONTROL RESULTS

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176593-001		03/22/2006	1141

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245017

QUALITY CONTROL RESULTS

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP5
Batch.....: 176948
Analyst...: tds

LCS	Laboratory Control Sample	M06CSPK002	176088-001		03/27/2006 1301

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	1.90709		2.00000	1.90709	95	%	80-120	
Calcium	mg/L	9.93597		10.00000	9.93597	99	%	80-120	
Iron	mg/L	0.99513		1.00000	0.99513	100	%	80-120	
Manganese	mg/L	0.50121		0.50000	0.50121	100	%	80-120	

LCS	Laboratory Control Sample	M06CSPK002	176768-001		03/27/2006 1631

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Wipe	mg/Wipe	0.09882 B		0.10000	0.09882 B	99	%	80-120	

LCS	Laboratory Control Sample	M06CSPK002	176770-001		03/27/2006 1658

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron	mg/L	1.00364		1.00000	1.00364	100	%	80-120	
Manganese	mg/L	0.50231		0.50000	0.50231	100	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	176088	176948-017		03/27/2006	1257

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP5
Batch.....: 176948
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.01330 U							
Calcium	mg/L	0.05690 U							
Iron	mg/L	0.03656 B							
Manganese	mg/L	0.00044 U							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	176768	176948-052		03/27/2006	1626

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Wipe	mg/Wipe	0.03390 U							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	176770	176768-003		03/27/2006	1654

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron	mg/L	0.05602 B							
Manganese	mg/L	0.00044 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245017 Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 310.1
Method Description.: Alkalinity
Parameter.....: Alkalinity, Total as CaCO3
Batch.....: 176364
Equipment Code....: PC TITRATE
Analyst...: rnm
Test Code.: ALK

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176364-002		mg/L	1.40000 U								03/20/2006	1736
LCS	176364-003	I05L$TAK2A	mg/L	106.44660		100.00000	1.40000 U	106		%	80-120	03/20/2006	1744

Test Method.....: 300.0
Method Description.: Ion Chromatography Analysis
Parameter.....: Sulfate
Batch.....: 176879
Equipment Code....: IC4
Analyst...: nrp
Test Code.: SO4

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176879-003		mg/L	0.08000 U								03/23/2006	1427
LCS	176879-004	I06CINIC1E	mg/L	5.05470		5.00000		101		%	90-110	03/23/2006	1441
MS	245017-11	I06CINIC1E	mg/L	33.51450		125.00000	8.64350	99		%	80-120	03/23/2006	1509
MSD	245017-11	I06CINIC1E	mg/L	34.40700	33.51450	125.00000	8.64350	103		%	80-120	03/23/2006	1523
								4.0		R	20		
MB	176879-003		mg/L	0.08000 U								03/23/2006	1905
LCS	176879-004	I06CINIC1E	mg/L	5.13590		5.00000		103		%	90-110	03/23/2006	1919

Test Method.....: 353.2
Method Description.: Nitrogen, NO2, NO3 (Auto Cd Red.)
Parameter.....: Nitrate + Nitrite as N
Batch.....: 175819
Equipment Code....: AQ2
Analyst...: pmf
Test Code.: NO3NO2

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	175819-004		mg/L	0.02500 U								03/15/2006	1031
LCS	175819-005	I05ASTIC32	mg/L	0.97170		1.00000	0.02500 U	97		%	80-120	03/15/2006	1033
MS	245017-16	I05ASTIC32	mg/L	0.81570		1.00000	0.02500 U	82		%	75-125	03/15/2006	1122
MSD	245017-16	I05ASTIC32	mg/L	0.41010	0.81570	1.00000	0.02500 U	41	N	%	75-125	03/15/2006	1124
								66.7	*	R	20		

Test Method.....: 353.2
Method Description.: Nitrogen, NO2, NO3 (Auto Cd Red.)
Parameter.....: Nitrate + Nitrite as N
Batch.....: 176835
Equipment Code....: AQ2
Analyst...: pmf
Test Code.: NO3NO2

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176835-004		mg/L	0.02500 U								03/27/2006	0824
LCS	176835-005	I06CSTNN2	mg/L	0.98440		1.00000	0.02500 U	98		%	80-120	03/27/2006	0826

Test Method.....: 365.2
Method Description.: Phosphorous, All Forms
Parameter.....: Phosphate, Ortho as P
Batch.....: 176053
Equipment Code....: SPEC4
Analyst...: pmf
Test Code.: OPO4

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176053-004		mg/L	0.00800 B								03/17/2006	0812
LCS	176053-005	I05JSTPS2	mg/L	0.24600		0.25000	0.00800 B	98		%	80-120	03/17/2006	0812

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245017

Report Date.: 03/28/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 365.2
Method Description.: Phosphorous, All Forms
Parameter.....: Phosphorous, Total as P

Batch.....: 176053
Equipment Code....: SPEC4

Analyst...: pmf
Test Code.: PTOT

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCS	176053-005	I05JSTPS2	mg/L	0.47500		0.50000	0.01120 U	95		%	80-120	03/17/2006	0801
MB	176053-004		mg/L	0.01120 U								03/17/2006	0801

Test Method.....: 415.1
Method Description.: Organic Carbon
Parameter.....: TOC Average Duplicates

Batch.....: 176648
Equipment Code....: TOC3

Analyst...: kd
Test Code.: TOCAV2

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176648-004		mg/L	0.36000 U								03/23/2006	0812
LCS	176648-005	I06CSTTC2	mg/L	10.44300		10.00000	0.36000 U	104		%	80-120	03/23/2006	0827

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
3/3 Ushers Rd Ballston Lake NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: eevans@hgl.com

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: OMK009-1881 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 245017

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No
Temperature °C of Cooler 5 8 3 1	
Within Hold Time	**Preserv. Indicated**
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
(Yes) No NA	Yes No (NA)
Sample Labels and COC Agree	
(Yes) No	COC not present

Sampler Name: J Skaary
Signature:
Project Name: MCA Barracks
Project Number: OMK009-0#1
Project Location: Hunter AAF - Savannah, GA
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Mackley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	ESK 175 (CO_2)	ESK 175 (Methane, Ethane, Ethene)	RSK 175 (Methane, Ethane, Ethene)	310.1 Alkalinity	9040B (pH)	E300 Anions (NO_3, NO_2, PO_4)	353.2 (NO_3, NO_2)
Refrg #														
# / Cont.							3	3	3	2	1	1	1	1
Volume							40mL	40mL	40mL	40mL	250mL	250mL	250mL	250mL
Preserv							1	HCl 1	1	2	6	3	2	2
1		MCA-GWxx-15-0306	03-08-06	1730	W	G	X							
2		EB 03 08 06	03-08-06	1730			X							
3		MCA-GWxx-17-0306	030906	1045			X							
4		MCA-GWxx-18-0306	030906	1305			X							
5		MCA-GWxx-19-0306	030906	1550			X							
6		MCA-GWxx-21-0306	030906	1800			X							
7		MCA-GWxx-22-0306	03/006	1420			X							
8		EB030906	030906	1900			X							
9		MCA-GWxx-25-0306	03/006	1712			X							
10		EB031606	03/006	1900			X							
11		MCA-GWHGL-16-0306	031106	1035			X	X	X	X	X	X	X	X
12		MCA-GWHGL-1C-0306	031106	1415	V	V	X	X	X	X	X	X	X	X

Additional Analyses / Remarks

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	03-13-06	1730		OR	3/14/06	1000
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
E300 BOTTLE → SULFATE ONLY

Date Received / /
Courier: FX
Hand Delivered ☐
Bill of Lading

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
323 Usher Ln. Ballston Lake NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 245017

Package Sealed	Samples Sealed
Yes / No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler: 5.8 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree: Yes No — COC not present

Sampler Name: J. Skarzynski
Signature:
Project Name: MCA Barracks
Project Number: OMA009-001
Project Location: Hunter AAF - Savannah, GA
Lab PM: Linda Mackley
Date Required — Hard Copy: ___/___/___ Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	# / Cont.	Volume	Preserv.	VOCs 8260B	RSK 175 (CO2)	RSK 175 (Ethene)	TOC 415.1	E310.1 Alkalinity	Total Metals Fe, Mn, Co, Al	E300 Anions (Nitrate, Sulfate)	NO3 NO2 Ph 353.2 + 365.2	Additional Analyses / Remarks
13		MCA-GW-HGL-2B-0306	03/1/06	1720	WG	G	3	40mL	1	X	X	X	X	X	X	X	X	
14		EB031106	03/1/06	1900			3	40mL	6	X								
15		EB031206	03/2/06	1900			3	40mL	6	X								
16		MCA-GW-HGL-2C-0306	03/2/06	1050			3	40mL	1	X	X	X	X	X	X	X	X	
17		MCA-GW-HGL-10B-0306	03/2/06	1420			3	40mL	1	X	X	X	X	X	X	X	X	
18		MCA-GW-HGL-10C-0306	03/2/06	1635			3	40mL	1	X	X	X	X	X	X	X	X	
19		MCA-GW-DUP201-0306	03/2/06	1217			3	40mL	1	X								
20		TB031306	03/13/06	1700			2	40mL	6	X								
21		~~MCA-GW-HGL-9B-0306~~	03/13/06	1125			3	40mL	1	X	X	X	X	X	X	X	X	Sample ID: MCA-GW-HGL-9B-030
22		MCA-GW-HGL-9C-0306	03/13/06	1440			3	40mL	1	X	X	X	X	X	X	X	X	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	03-13-06	1720		JK	3/14/06	1000
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater; W = Water; S = Soil; SL = Sludge; MS = Miscellaneous; OL = Oil; A = Air; SE = Sediment; SO = Solid; DS = Drum Solid; DL = Drum Liquid; L = Leachate; WI = Wipe; O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS: E 300 BOTTLE → SULFATE only

Date Received / /
Courier: FX
Hand Delivered
Bill of Lading

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 245097

SEVERN TRENT STL®

March 24, 2006

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

Ms. Linda Mackley
Severn Trent Laboratories
2417 Bond Street
University Park, IL 60466

Re: Laboratory Project No. 26002
Case: HUNTAAF; SDG: 245097

Dear Ms. Mackley:

Enclosed are the analytical results for the samples that were received by STL Burlington on March 17th, 2006. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 03/17/06 ETR No: 113190		
661490	MCA-GWHGL-5B-0306	03/14/06	Water
661491	MCA-GWHGL-5C-0306	03/14/06	Water
661492	MCA-GWHGL-11B-0306	03/14/06	Water
661493	MCA-GWHGL-11C-0306	03/14/06	Water
661494	MCA-GWHGL-7B-0306	03/15/06	Water
661495	MCA-GWHGL-7C-0306	03/15/06	Water

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. In order to accommodate field length limitations in processing the data summary forms, the laboratory did, in certain instances, abbreviate the sample identifier. The electronically formatted data provides for the full sample identifier.

The samples were analyzed for methane, ethane and ethene by Method RSK-175. Matrix spike and matrix spike duplicate analyses were not performed on sample in this sample set. A laboratory control sample was prepared and analyzed in the analytical sequence, and the target compounds were recovered well in that analysis. The method blank that was analyzed in association with the samples was free of contamination.

The samples were additionally analyzed for carbon dioxide by Method RSK-175. Matrix spike and matrix spike duplicate analyses were not performed on sample in this sample set. A laboratory control sample was prepared and analyzed in the analytical sequence, using oxygen and nitrogen as the components. These gases were recovered well in that analysis. The method blank that was analyzed in association with the samples was free of contamination.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

Kristine A. Dusablon
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
313 Ushers Rd. Ballston Lake NY 12019
Phone: 518-877-0390
Fax: 518-877-0471
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 245097

Package Sealed Yes / No	Samples Sealed Yes / No
Received on Ice Yes / No	Samples Intact Yes / No
Temperature °C of Cooler	2.8, 3.1
Within Hold Time Yes / No	Preserv. Indicated Yes / No / NA
pH Check OK Yes / No / NA	Res Cl_2 Check OK Yes / No / NA
Sample Labels and COC Agree Yes / No / COC not present	

Sampler Name: S. Skaarup
Signature:
Project Name: MCA Barracks
Project Number: OMA009-001
Project Location: Hunter AAF - Savannah, GA
Lab PM: Linda Markley
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	# Cont.	Volume	Preserv.	VOCs 8260B	RSK 175 (CO2)	RSK 175 (Meth/Eth)	TOC 415.1	E310.1 Alkalinity	Total Metals Fe, Mn, Ca, Mg	E300 Anions, SO4 only	NO3, NO2, PO4 353.2, 365.2		
							3	40mL	HCl										
							3	40mL	H2SO4										
							1	40mL	None										
							2	40mL	HCl										
							2	40mL	H2SO4										
							1	250mL	None										
							1	250mL	None										
							1	250mL	None										
1		EB031306	3/13/06	1900	W	G				X									
1		MCA-GWHGL-5B-0306	3/14/06	0850						X	X	X	X	X	X	X	X		
2		MCA-GWHGL-5C-0306	3/14/06	1125						X	X	X	X	X	X	X	X		
3		MCA-GWHGL-11B-0306	3/14/06	1540						X	X	X	X	X	X	X	X		
4		MCA-GWHGL-11C-0306	3/14/06	1810						X	X	X	X	X	X	X	X	-	
		EB031406	3/14/06	1400						X									
		MCA-GWXX-24-0306	3/15/06	1040						X									
5		MCA-GWHGL-7B-0306	3/15/06	1300						X	X	X	X	X	X	X	X	-	
6		MCA-GWHGL-7C-0306	3/15/06	1500						X	X	X	X	X	X	X	X		
		TB031506	3/15/06	1700	↓	↓				X									qty = 2 voas

RELINQUISHED BY		COMPANY HGL	DATE 03-15-06	TIME 1800	RECEIVED BY		COMPANY	DATE 3/16/06	TIME 1015
RELINQUISHED BY		COMPANY	DATE	TIME	RECEIVED BY		COMPANY STL NT	DATE 3-17-06	TIME 0930

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
E300: sulfate only

Date Received / /
Courier: FX **Hand Delivered** ☐
Bill of Lading

SEVERN TRENT STL

RSK-175

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL5B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661490

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R091

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	38	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL5C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661491

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R101

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	190	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL7B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661494

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R131

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3.9	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL7C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661495

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R141

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	14	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.2	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL11B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661492

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R111

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL11C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661493

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060918-R121

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLKR032206A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: MBLKR032206A

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060838-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

R032206ALCS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: R032206ALCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22MA060838-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/22/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	83	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix Spike - Sample No.: R032206ALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		83	114	70-130
Ethane	140		160	114	70-130
Ethene	130		150	115	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 3 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLKR032206A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Lab File ID: 22MA060838-R021 Lab Sample ID: MBLKR032206A

Date Analyzed: 03/22/06 Time Analyzed: 0902

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	R032206ALCS	R032206ALCS	22MA060838-R	0857
02	AGWHGL5B0306	661490	22MA060918-R	1032
03	AGWHGL5C0306	661491	22MA060918-R	1038
04	GWHGL11B0306	661492	22MA060918-R	1043
05	GWHGL11C0306	661493	22MA060918-R	1048
06	AGWHGL7B0306	661494	22MA060918-R	1054
07	AGWHGL7C0306	661495	22MA060918-R	1058
08				
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COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_1 Calibration Date(s): 03/02/06 03/02/06

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1011 1031

LAB FILE ID: RF1: 02MA060848-R0RF2: 02MA060848-R0RF3: 02MA060848-R0
RF4: 02MA060848-R0RF5: 02MA060848-R0

COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1527.660	1324.667	1511.288	1813.830	1317.939
Ethane	1330.337	1266.294	1473.103	1785.738	1593.906
Ethene	1225.301	1177.062	1398.504	1665.031	1416.140

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_1 Calibration Date(s): 03/02/06 03/02/06

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1011 1031

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Methane	AVRG	1499.07672	13.5
Ethane	AVRG	1489.87571	14.0
Ethene	AVRG	1376.40781	14.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_1 Calibration Date: 03/22/06 Time: 0826

Lab File ID: 22MA060803-R01 Init. Calib. Date(s): 03/02/06 03/02/06

Heated Purge: (Y/N) N Init. Calib. Times: 1011 1031

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1499.077	1403.548		6.4	30.0
Ethane	1489.876	1398.007		6.2	30.0
Ethene	1376.408	1345.323		2.2	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_1 Calibration Date: 03/22/06 Time: 1259

Lab File ID: 22MA061241-R01 Init. Calib. Date(s): 03/02/06 03/02/06

Heated Purge: (Y/N) N Init. Calib. Times: 1011 1031

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF2	MIN RRF	%D	MAX %D
Methane	1499.077	1871.389		24.8	30.0
Ethane	1489.876	1868.470		25.4	30.0
Ethene	1376.408	1788.094		29.9	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 03/02/06 03/02/06

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	03/02/06	1011		
02	CAL2	CAL2	03/02/06	1016		
03	CAL3	CAL3	03/02/06	1022		
04	CAL4	CAL4	03/02/06	1026		
05	CAL5	CAL5	03/02/06	1031		
06	ICV	ICV	03/02/06	1037		
07	CCV	CCV	03/22/06	0826		
08	R032206ALCS	R032206ALCS	03/22/06	0857		
09	MBLKR032206A	MBLKR032206A	03/22/06	0902		
10	AGWHGL5B0306	661490	03/22/06	1032		
11	AGWHGL5C0306	661491	03/22/06	1038		
12	GWHGL11B0306	661492	03/22/06	1043		
13	GWHGL11C0306	661493	03/22/06	1048		
14	AGWHGL7B0306	661494	03/22/06	1054		
15	AGWHGL7C0306	661495	03/22/06	1058		
16	CCV	CCV	03/22/06	1259		
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QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

SEVERN TRENT STL

RSK-175 CO2

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL5B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661490

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R011

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	2290	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL5C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661491

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R021

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	661	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL7B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661494

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R051

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	589	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL7C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661495

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R061

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1 STLILC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

GWHGL11B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661492

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R031

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

GWHGL11C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: 661493

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R041

Level: (low/med) LOW Date Received: 03/17/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLKR032306A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: MBLKR032306A

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060856-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

R032306ALCS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix: (soil/water) WATER Lab Sample ID: R032306ALCS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 23MA060856-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	AREA%	Q
7782-44-7	Oxygen		25	
7727-37-9	Nitrogen		75	

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Matrix Spike - Sample No.: R032306ALCS

COMPOUND	SPIKE ADDED (area%)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (area%)	LCS % REC #	QC. LIMITS REC.
Oxygen	22		25	114	70-130
Nitrogen	78		75	96	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLKR032306A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Lab File ID: 23MA060856-R021 Lab Sample ID: MBLKR032306A

Date Analyzed: 03/23/06 Time Analyzed: 0902

GC Column: CTR-1 ID: 6.35 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	R032306ALCS	R032306ALCS	23MA060856-R	0857
02	AGWHGL5B0306	661490	23MA060920-R	0939
03	AGWHGL5C0306	661491	23MA060920-R	0944
04	GWHGL11B0306	661492	23MA060920-R	0949
05	GWHGL11C0306	661493	23MA060920-R	1000
06	AGWHGL7B0306	661494	23MA060920-R	1020
07	AGWHGL7C0306	661495	23MA060920-R	1024
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COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_2 Calibration Date(s): 03/03/06 03/03/06

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1012 1033

LAB FILE ID: RF500: 03MA060944-RF2500: 03MA060944RF5000: 03MA060944
RF7500: 03MA060944RF10000: 03MA06094

COMPOUND	RF500	RF2500	RF5000	RF7500	RF10000
Carbon Dioxide	0.524	0.483	0.481	0.701	0.862

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_2 Calibration Date(s): 03/03/06 03/03/06

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1012 1033

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Carbon Dioxide	AVRG	0.61002453	27.4

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_2 Calibration Date: 03/23/06 Time: 0828

Lab File ID: 23MA060813-R01 Init. Calib. Date(s): 03/03/06 03/03/06

Heated Purge: (Y/N) N Init. Calib. Times: 1012 1033

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF 5000	MIN RRF	%D	MAX %D
Carbon Dioxide	0.610	0.540		11.5	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

Instrument ID: 2866_2 Calibration Date: 03/23/06 Time: 1321

Lab File ID: 23MA061316-R01 Init. Calib. Date(s): 03/03/06 03/03/06

Heated Purge: (Y/N) N Init. Calib. Times: 1012 1033

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF 2500	MIN RRF	%D	MAX %D
Carbon Dioxide	0.610	0.466		23.6	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s): 03/03/06 03/03/06

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	03/03/06	1012		
02	CAL2	CAL2	03/03/06	1017		
03	CAL3	CAL3	03/03/06	1024		
04	CAL4	CAL4	03/03/06	1028		
05	CAL5	CAL5	03/03/06	1033		
06	ICV	ICV	03/03/06	1321		
07	CCV	CCV	03/23/06	0828		
08	MBLKR032306A	MBLKR032306A	03/23/06	0902		
09	AGWHGL5B0306	661490	03/23/06	0939		
10	AGWHGL5C0306	661491	03/23/06	0944		
11	GWHGL11B0306	661492	03/23/06	0949		
12	GWHGL11C0306	661493	03/23/06	1000		
13	AGWHGL7B0306	661494	03/23/06	1020		
14	AGWHGL7C0306	661495	03/23/06	1024		
15	CCV	CCV	03/23/06	1321		
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QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245097

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s):

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	R032306ALCS	R032306ALCS	03/23/06	0857		
02						
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32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

SEVERN TRENT STL®

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University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 245096

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 03/29/2006

Linda S Mackley
Signature

3-29-06
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (53) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: Hydrogeologic, Inc.
Project ID: OMA009-001
STL Job# 245096

Date Recd: 03/16/06

1. This narrative covers the Metals analysis of samples in the above STL Job.

   Method Ref: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limit.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

5. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

6. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.

7. Method Blank concentrations were less than the Reporting Limits.

8. Matrix QC was performed on Sample 2.

   Serial Dilution analysis was within control limits except for Al.

   Matrix Spike (MS/MSD) recoveries were within 75-125% control limits (control limits are not applicable when the sample concentration exceeds the spike added concentration by a factor of 4 or more) except for Al (MS/MSD).

   Duplicate results were within the 20% RPD control limits for sample concentrations greater than 5X the R.L. or +\- the R.L for sample concentrations less than 5X the R.L.

Jodi L. Gromala
Metals Section Manager

3-29-06
Date

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF-OMA009-001
Job Number: 245096
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The Method Blank had all target compounds below the reporting limits.

3. The LCS (Laboratory Control Sample) had all spike recoveries within the QAPP specified QC limits. The ICV 18S0323b had Dichlorodifluoromethane (78.71%), Acetone (122.96%), Carbon Disulfide (79.28%), and 1,2-Dibromo-3-Chloropropane (79.38%) outside the QAPP specified QC limits of 80-120%. All other compounds were within the QAPP specified QC limits.

4. MS/MSD (Matrix Spike/Matrix Spike Duplicate) analyses were not performed on this sample set.

5. The MB (prep batch 176808) had one surrogate outside the QAPP specified QC limits. All other volatile samples had surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. Samples 8 and 9 required secondary dilutions for target compounds. The water results and reporting limits were adjusted to account for the dilutions performed.

JoAnn Petruszak-Kmetty
GC/MS VOA Dept.

3.28.06
Date

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SAMPLE INFORMATION

Date: 03/29/2006

Job Number.: 245096
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
245096-1	EB031306	Water	03/13/2006	19:00	03/16/2006	10:15
245096-2	MCA-GWHGL-5B-0306	Water	03/14/2006	08:50	03/16/2006	10:15
245096-3	MCA-GWHGL-5C-0306	Water	03/14/2006	11:25	03/16/2006	10:15
245096-4	MCA-GWHGL-11B-0306	Water	03/14/2006	15:40	03/16/2006	10:15
245096-5	MCA-GWHGL-11C-0306	Water	03/14/2006	18:10	03/16/2006	10:15
245096-6	EB031406	Water	03/14/2006	19:00	03/16/2006	10:15
245096-7	MCA-GWXX-24-0306	Water	03/15/2006	10:40	03/16/2006	10:15
245096-8	MCA-GWHGL-7B-0306	Water	03/15/2006	13:00	03/16/2006	10:15
245096-9	MCA-GWHGL-7C-0306	Water	03/15/2006	15:00	03/16/2006	10:15
245096-10	TB031506	Water	03/15/2006	17:00	03/16/2006	10:15

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LABORATORY TEST RESULTS

Job Number: 245096

Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031306
Date Sampled.....: 03/13/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-1
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Acetone	2.9	J		1.4	5.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB031306
Date Sampled.....: 03/13/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-1
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031306
Date Sampled.....: 03/13/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-1
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1422	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-5B-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 08:50
Sample Matrix.....: Water

Laboratory Sample ID: 245096-2
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	62			1.4	5.0	1	mg/L	176475		03/21/06 1906	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	210			4.0	10	50.00	mg/L	176879		03/23/06 1742	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0836	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.064	B		0.034	0.15	1	mg/L	176676		03/24/06 0759	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	2.7			0.36	1.0	1	mg/L	177002		03/28/06 0951	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	15			0.034	0.10	1	mg/L	176948		03/27/06 1427	tds
	Manganese	0.45			0.00044	0.010	1	mg/L	176948		03/27/06 1427	tds
	Aluminum	0.98			0.013	0.20	1	mg/L	176948		03/27/06 1427	tds
	Calcium	58			0.057	0.10	1	mg/L	176948		03/27/06 1427	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-5B-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 08:50
Sample Matrix.....: Water

Laboratory Sample ID: 245096-2
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Acetone	3.5	J		1.4	5.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1445	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1445	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-5B-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 08:50
Sample Matrix.....: Water

Laboratory Sample ID: 245096-2
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1445	mj
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1445	mj
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1445	mj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-5C-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245096-3
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	75			1.4	5.0	1	mg/L	176475		03/21/06 1915	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	100			8.0	20	100.00	mg/L	176882		03/24/06 1550	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0838	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.98			0.034	0.15	1	mg/L	176676		03/24/06 0759	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	2.1			0.36	1.0	1	mg/L	177002		03/28/06 1007	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	5.5			0.034	0.10	1	mg/L	176948		03/27/06 1510	tds
	Manganese	0.12			0.00044	0.010	1	mg/L	176948		03/27/06 1510	tds
	Aluminum	1.4			0.013	0.20	1	mg/L	176948		03/27/06 1510	tds
	Calcium	21			0.057	0.10	1	mg/L	176948		03/27/06 1510	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-SC-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245096-3
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-5C-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245096-3
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1507	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-11B-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 15:40
Sample Matrix.....: Water

Laboratory Sample ID: 245096-4
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	53			1.4	5.0	1	mg/L	176475		03/21/06 1923	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	40			0.80	2.0	10.00	mg/L	176879		03/23/06 1809	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0840	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.55			0.034	0.15	1	mg/L	176676		03/24/06 0800	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	3.5			0.36	1.0	1	mg/L	177002		03/28/06 1024	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	2.4			0.034	0.10	1	mg/L	176948		03/27/06 1515	tds
	Manganese	0.048			0.00044	0.010	1	mg/L	176948		03/27/06 1515	tds
	Aluminum	2.6			0.013	0.20	1	mg/L	176948		03/27/06 1515	tds
	Calcium	11			0.057	0.10	1	mg/L	176948		03/27/06 1515	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-11B-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 15:40
Sample Matrix.....: Water

Laboratory Sample ID: 245096-4
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-11B-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 15:40
Sample Matrix.....: Water

Laboratory Sample ID: 245096-4
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1530	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-11C-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 18:10
Sample Matrix.....: Water

Laboratory Sample ID: 245096-5
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	37			1.4	5.0	1	mg/L	176475		03/21/06 1932	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	8.7			0.40	1.0	5.00	mg/L	176879		03/23/06 1823	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.099	B		0.025	0.10	1	mg/L	176835		03/27/06 0842	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	1.9			0.034	0.15	1	mg/L	176676		03/24/06 0800	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	4.4			0.36	1.0	1	mg/L	177002		03/28/06 1041	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	26			0.034	0.10	1	mg/L	176948		03/27/06 1519	tds
	Manganese	0.20			0.00044	0.010	1	mg/L	176948		03/27/06 1519	tds
	Aluminum	36			0.013	0.20	1	mg/L	176948		03/27/06 1519	tds
	Calcium	10			0.057	0.10	1	mg/L	176948		03/27/06 1519	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096 Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-11C-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 18:10
Sample Matrix.....: Water

Laboratory Sample ID: 245096-5
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Acetone	3.9	J		1.4	5.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-11C-0306
Date Sampled.....: 03/14/2006
Time Sampled.....: 18:10
Sample Matrix.....: Water

Laboratory Sample ID: 245096-5
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1553	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031406
Date Sampled.....: 03/14/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-6
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Acetone	2.4	J		1.4	5.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096 Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB031406
Date Sampled.....: 03/14/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-6
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096 Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031406
Date Sampled.....: 03/14/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-6
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1616	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-24-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 245096-7
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Acetone	2.8	J		1.4	5.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1638	mj
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1638	mj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-24-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 245096-7
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWXX-24-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 245096-7
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1638	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-7B-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-8
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	21			1.4	5.0	1	mg/L	176475		03/21/06 1940	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	33			0.40	1.0	5.00	mg/L	176879		03/23/06 1837	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0848	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.22			0.034	0.15	1	mg/L	176676		03/24/06 0800	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	2.2			0.36	1.0	1	mg/L	177002		03/28/06 1059	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	3.4			0.034	0.10	1	mg/L	176948		03/27/06 1524	tds
	Manganese	0.071			0.00044	0.010	1	mg/L	176948		03/27/06 1524	tds
	Aluminum	1.7			0.013	0.20	1	mg/L	176948		03/27/06 1524	tds
	Calcium	11			0.057	0.10	1	mg/L	176948		03/27/06 1524	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1-Dichloroethene	1.3			0.25	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-7B-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-8
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Acetone	3.3	J		1.4	5.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	cis-1,2-Dichloroethene	19			0.20	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Trichloroethene	190			1.3	10	10.0000	ug/L	176810	D1	03/24/06 1723	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096 Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-7B-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-8
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1701	mjk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-7C-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-9
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	27			1.4	5.0	1	mg/L	176475		03/21/06 1957	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	5.8			0.080	0.20	1.00	mg/L	176879		03/23/06 1851	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0850	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	1.1			0.034	0.15	1	mg/L	176676		03/24/06 0801	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.3			0.36	1.0	1	mg/L	177002		03/28/06 1114	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	2.8			0.034	0.10	1	mg/L	176948		03/27/06 1529	tds
	Manganese	0.043			0.00044	0.010	1	mg/L	176948		03/27/06 1529	tds
	Aluminum	0.89			0.013	0.20	1	mg/L	176948		03/27/06 1529	tds
	Calcium	4.7			0.057	0.10	1	mg/L	176948		03/27/06 1529	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	50	U		6.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Chloromethane	50	U		10	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Vinyl chloride	50	U		8.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Bromomethane	50	U		30	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Chloroethane	50	U		16	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Trichlorofluoromethane	50	U		7.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1-Dichloroethene	93			12	50	50.0000	ug/L	176810		03/24/06 1745	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096 Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-7C-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-9
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	250	U		7.5	250	50.0000	ug/L	176810		03/24/06 1745	mjk
	Acetone	250	U		70	250	50.0000	ug/L	176810		03/24/06 1745	mjk
	Methylene chloride	50	U		12	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	trans-1,2-Dichloroethene	29	J		14	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Methyl-tert-butyl-ether (MTBE)	50	U		10	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1-Dichloroethane	50	U		7.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	2,2-Dichloropropane	50	U		8.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	cis-1,2-Dichloroethene	3500			10	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	2-Butanone (MEK)	250	U		50	250	50.0000	ug/L	176810		03/24/06 1745	mjk
	Bromochloromethane	50	U		14	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Chloroform	50	U		7.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1,1-Trichloroethane	50	U		8.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1-Dichloropropene	50	U		19	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Carbon tetrachloride	50	U		17	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Benzene	50	U		12	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,2-Dichloroethane	50	U		12	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Trichloroethene	16000			65	500	500.000	ug/L	176810	DT	03/24/06 1808	mjk
	1,2-Dichloropropane	50	U		9.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Dibromomethane	50	U		10	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Bromodichloromethane	50	U		11	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	cis-1,3-Dichloropropene	50	U		7.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	4-Methyl-2-pentanone (MIBK)	250	U		46	250	50.0000	ug/L	176810		03/24/06 1745	mjk
	Toluene	50	U		9.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	trans-1,3-Dichloropropene	50	U		8.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1,2-Trichloroethane	50	U		12	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Tetrachloroethene	50	U		9.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,3-Dichloropropane	50	U		11	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	2-Hexanone	250	U		50	250	50.0000	ug/L	176810		03/24/06 1745	mjk
	Dibromochloromethane	50	U		11	50	50.0000	ug/L	176810		03/24/06 1745	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096 Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-7C-0306
Date Sampled.....: 03/15/2006
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-9
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	50	U		16	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Chlorobenzene	50	U		7.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1,1,2-Tetrachloroethane	50	U		16	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Ethylbenzene	50	U		10	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	m&p-Xylenes	100	U		18	100	50.0000	ug/L	176810		03/24/06 1745	mjk
	o-Xylene	50	U		9.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Styrene	50	U		9.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Bromoform	50	U		16	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Isopropylbenzene	50	U		10	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	Bromobenzene	50	U		11	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,1,2,2-Tetrachloroethane	50	U		17	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,2,3-Trichloropropane	50	U		18	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	n-Propylbenzene	50	U		8.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	2-Chlorotoluene	50	U		8.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,3,5-Trimethylbenzene	50	U		9.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	4-Chlorotoluene	50	U		9.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	tert-Butylbenzene	50	U		8.0	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,2,4-Trimethylbenzene	50	U		13	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	sec-Butylbenzene	50	U		9.5	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	p-Isopropyltoluene	50	U		14	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	n-Butylbenzene	50	U		18	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,2-Dibromo-3-chloropropane	50	U		20	50	50.0000	ug/L	176810		03/24/06 1745	mjk
	1,2,3-Trichlorobenzene	50	U		22	50	50.0000	ug/L	176810		03/24/06 1745	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031506
Date Sampled.....: 03/15/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-10
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date:03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031506
Date Sampled.....: 03/15/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-10
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245096

Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031506
Date Sampled.....: 03/15/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245096-10
Date Received.....: 03/16/2006
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176810		03/24/06 1831	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 245096 Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245096-1 Client ID: EB031306 Date Recvd: 03/16/2006 Sample Date: 03/13/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1422	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	176810	176808	03/24/2006	1422	1.00000

Lab ID: 245096-2 Client ID: MCA-GWHGL-5B-0306 Date Recvd: 03/16/2006 Sample Date: 03/14/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1445	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176475	176467	03/21/2006	1906	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1742	50.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1427	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006	0836	
415.1	Organic Carbon	1	177002	177002	03/28/2006	0951	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0759	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1445	1.00000

Lab ID: 245096-3 Client ID: MCA-GWHGL-5C-0306 Date Recvd: 03/16/2006 Sample Date: 03/14/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1507	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176475	176467	03/21/2006	1915	
300.0	Ion Chromatography Analysis	1	176882	176882	03/24/2006	1550	100.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1510	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006	0838	
415.1	Organic Carbon	1	177002	177002	03/28/2006	1007	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0759	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1507	1.00000

Lab ID: 245096-4 Client ID: MCA-GWHGL-11B-0306 Date Recvd: 03/16/2006 Sample Date: 03/14/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1530	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176475	176467	03/21/2006	1923	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1809	10.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1515	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006	0840	
415.1	Organic Carbon	1	177002	177002	03/28/2006	1024	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0800	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1530	1.00000

Lab ID: 245096-5 Client ID: MCA-GWHGL-11C-0306 Date Recvd: 03/16/2006 Sample Date: 03/14/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1553	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176475	176467	03/21/2006	1932	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1823	5.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1519	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006	0842	
415.1	Organic Carbon	1	177002	177002	03/28/2006	1041	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0800	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1553	1.00000

Lab ID: 245096-6 Client ID: EB031406 Date Recvd: 03/16/2006 Sample Date: 03/14/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1616	

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LABORATORY CHRONICLE

Job Number: 245096 Date: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245096-6 Client ID: EB031406 Date Recvd: 03/16/2006 Sample Date: 03/14/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
8260B	Volatile Organics	1	176810	176808	03/24/2006	1616	1.00000

Lab ID: 245096-7 Client ID: MCA-GWXX-24-0306 Date Recvd: 03/16/2006 Sample Date: 03/15/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1638	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1638	1.00000

Lab ID: 245096-8 Client ID: MCA-GWHGL-7B-0306 Date Recvd: 03/16/2006 Sample Date: 03/15/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1723	
5030B	5030 10 mL Purge Prep	2	176808		03/24/2006	1701	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176475	176467	03/21/2006	1940	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1837	5.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1524	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006	0848	
415.1	Organic Carbon	1	177002	177002	03/28/2006	1059	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0800	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1701	1.00000
8260B	Volatile Organics	1	176810	176808	03/24/2006	1723	10.0000

Lab ID: 245096-9 Client ID: MCA-GWHGL-7C-0306 Date Recvd: 03/16/2006 Sample Date: 03/15/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1808	
5030B	5030 10 mL Purge Prep	2	176808		03/24/2006	1745	
3010A	Acid Digestion (ICAP)	1	176088		06/17/2006	1120	
310.1	Alkalinity	1	176475	176467	03/21/2006	1957	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	1851	1.00
6010B	Metals Analysis (ICAP Trace)	1	176948	176088	03/27/2006	1529	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006	0850	
415.1	Organic Carbon	1	177002	177002	03/28/2006	1114	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0801	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1745	50.0000
8260B	Volatile Organics	1	176810	176808	03/24/2006	1808	500.000

Lab ID: 245096-10 Client ID: TB031506 Date Recvd: 03/16/2006 Sample Date: 03/15/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176808		03/24/2006	1831	
8260B	Volatile Organics	1	176810	176808	03/24/2006	1831	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 176810
Prep Batch..: 176808

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			03/24/2006	85	92	86	88
MB			03/24/2006	85	81	83*	95
245096- 1		EB031306	03/24/2006	85	84	87	97
245096- 2		MCA-GWHGL-5B-0306	03/24/2006	85	84	86	97
245096- 3		MCA-GWHGL-5C-0306	03/24/2006	84	83	85	97
245096- 4		MCA-GWHGL-11B-0306	03/24/2006	85	83	85	91
245096- 5		MCA-GWHGL-11C-0306	03/24/2006	85	88	89	88
245096- 6		EB031406	03/24/2006	88	86	90	92
245096- 7		MCA-GWXX-24-0306	03/24/2006	85	83	86	94
245096- 8		MCA-GWHGL-7B-0306	03/24/2006	82	85	85	90
245096- 8	D1	MCA-GWHGL-7B-0306	03/24/2006	84	81	88	100
245096- 9		MCA-GWHGL-7C-0306	03/24/2006	83	82	85	93
245096- 9	D1	MCA-GWHGL-7C-0306	03/24/2006	84	85	85	91
245096- 10		TB031506	03/24/2006	85	83	86	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C24DSX	176808-002		03/24/2006	1400

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: mjk
Method Description.: Volatile Organics Batch.....: 176810

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	16.427		25.000	1.000 U	66	%	24-171	
Chloromethane	ug/L	20.226		25.000	1.000 U	81	%	31-182	
Vinyl chloride	ug/L	21.288		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	24.698		25.000	1.000 U	99	%	31-188	
Chloroethane	ug/L	23.781		25.000	1.000 U	95	%	58-148	
Trichlorofluoromethane	ug/L	23.623		25.000	1.000 U	94	%	54-142	
1,1-Dichloroethene	ug/L	26.043		25.000	1.000 U	104	%	51-136	
Carbon disulfide	ug/L	26.449		25.000	5.000 U	106	%	21-111	
Acetone	ug/L	23.398		25.000	5.000 U	94	%	14-177	
Methylene chloride	ug/L	25.344		25.000	1.000 U	101	%	64-127	
trans-1,2-Dichloroethene	ug/L	26.625		25.000	1.000 U	107	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.758		25.000	1.000 U	99	%	55-142	
1,1-Dichloroethane	ug/L	27.178		25.000	1.000 U	109	%	70-124	
2,2-Dichloropropane	ug/L	27.593		25.000	1.000 U	110	%	68-127	
cis-1,2-Dichloroethene	ug/L	27.472		25.000	1.000 U	110	%	70-125	
2-Butanone (MEK)	ug/L	22.597		25.000	5.000 U	90	%	29-139	
Bromochloromethane	ug/L	24.290		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	26.781		25.000	1.000 U	107	%	75-122	
1,1,1-Trichloroethane	ug/L	27.534		25.000	1.000 U	110	%	70-127	
1,1-Dichloropropene	ug/L	27.049		25.000	1.000 U	108	%	70-125	
Carbon tetrachloride	ug/L	26.956		25.000	1.000 U	108	%	64-132	
Benzene	ug/L	26.374		25.000	1.000 U	105	%	75-122	
1,2-Dichloroethane	ug/L	26.320		25.000	1.000 U	105	%	67-120	
Trichloroethene	ug/L	26.789		25.000	1.000 U	107	%	70-125	
1,2-Dichloropropane	ug/L	25.566		25.000	1.000 U	102	%	76-116	
Dibromomethane	ug/L	25.953		25.000	1.000 U	104	%	68-116	
Bromodichloromethane	ug/L	29.117		25.000	1.000 U	116	%	75-125	
cis-1,3-Dichloropropene	ug/L	27.908		26.000	1.000 U	107	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	29.595		25.000	5.000 U	118	%	39-137	
Toluene	ug/L	26.080		25.000	1.000 U	104	%	77-120	
trans-1,3-Dichloropropene	ug/L	26.649		24.000	1.000 U	111	%	68-119	
1,1,2-Trichloroethane	ug/L	27.325		25.000	1.000 U	109	%	63-127	
Tetrachloroethene	ug/L	24.838		25.000	1.000 U	99	%	45-150	
1,3-Dichloropropane	ug/L	26.481		25.000	1.000 U	106	%	72-118	
2-Hexanone	ug/L	28.391		25.000	5.000 U	114	%	36-144	
Dibromochloromethane	ug/L	24.516		25.000	1.000 U	98	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	28.483		25.000	1.000 U	114	%	62-123	
Chlorobenzene	ug/L	25.992		25.000	1.000 U	104	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.272		25.000	1.000 U	101	%	77-120	
Ethylbenzene	ug/L	26.958		25.000	1.000 U	108	%	75-125	
m&p-Xylenes	ug/L	54.213		50.000	2.000 U	108	%	75-123	
o-Xylene	ug/L	28.465		25.000	1.000 U	114	%	76-121	
Styrene	ug/L	25.880		25.000	1.000 U	104	%	77-128	
Bromoform	ug/L	24.557		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	25.290		25.000	1.000 U	101	%	64-119	
Bromobenzene	ug/L	28.029		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	29.129		25.000	1.000 U	117	%	61-122	
1,2,3-Trichloropropane	ug/L	27.333		25.000	1.000 U	109	%	62-124	
n-Propylbenzene	ug/L	29.088		25.000	1.000 U	116	%	69-132	
2-Chlorotoluene	ug/L	29.013		25.000	1.000 U	116	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C24DSX	176808-002		03/24/2006	1400

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	26.734		25.000	1.000	U	107	%	70-132	
4-Chlorotoluene	ug/L	28.763		25.000	1.000	U	115	%	70-126	
tert-Butylbenzene	ug/L	26.093		25.000	1.000	U	104	%	70-133	
1,2,4-Trimethylbenzene	ug/L	29.550		25.000	1.000	U	118	%	71-131	
sec-Butylbenzene	ug/L	29.002		25.000	1.000	U	116	%	70-134	
p-Isopropyltoluene	ug/L	27.649		25.000	1.000	U	111	%	66-130	
n-Butylbenzene	ug/L	26.005		25.000	1.000	U	104	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.467		25.000	1.000	U	90	%	57-119	
1,2,3-Trichlorobenzene	ug/L	27.164		25.000	1.000	U	109	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176808-001		03/24/2006	1337

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: mjk
Method Description.: Volatile Organics Batch.....: 176810

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176808-001		03/24/2006	1337

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 176948

LCS	Laboratory Control Sample	MO6CSPK002	176088-001		03/27/2006 1301

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	1.90709		2.00000	1.90709	95	%	80-120	
Calcium	mg/L	9.93597		10.00000	9.93597	99	%	80-120	
Iron	mg/L	0.99513		1.00000	0.99513	100	%	80-120	
Manganese	mg/L	0.50121		0.50000	0.50121	100	%	80-120	

LCS	Laboratory Control Sample	MO6CSPK002	176768-001		03/27/2006 1631

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Wipe	mg/Wipe	0.09882 B		0.10000	0.09882 B	99	%	80-120	

LCS	Laboratory Control Sample	MO6CSPK002	176770-001		03/27/2006 1658

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron	mg/L	1.00364		1.00000	1.00364	100	%	80-120	
Manganese	mg/L	0.50231		0.50000	0.50231	100	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 176948

MB	Method Blank	176088	176948-017		03/27/2006	1257

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.01330 U							
Calcium	mg/L	0.05690 U							
Iron	mg/L	0.03656 B							
Manganese	mg/L	0.00044 U							

MB	Method Blank	176768	176948-052		03/27/2006	1626

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Wipe	mg/Wipe	0.03390 U							

MB	Method Blank	176770	176768-003		03/27/2006	1654

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron	mg/L	0.05602 B							
Manganese	mg/L	0.00044 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		245096-2		03/27/2006	1436

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP5
Batch.....: 176948
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.90488			0.98131	0.07643	A	0.20000	
Calcium	mg/L	57.59769			58.32433	1.3	R	20.0	
Iron	mg/L	15.10985			15.36309	1.7	R	20.0	
Manganese	mg/L	0.44239			0.44920	1.5	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 176948

MS	Matrix Spike	M06CSPK002	245096-2		03/27/2006	1441

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	3.97510		2.00000	0.98131	150	%	75-125	N
Calcium	mg/L	68.58377		10.00000	58.32433	103	%	75-125	4
Iron	mg/L	16.45306		1.00000	15.36309	109	%	75-125	4
Manganese	mg/L	0.95660		0.50000	0.44920	101	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M06CSPK002	245096-2		03/27/2006	1506

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 176948

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	3.99789	50.73356	2.00000	0.98131	151	%	75-125	N
						39.7	R	20	*
Calcium	mg/L	69.48976	25.37537	10.00000	58.32433	112	%	75-125	4
						9.3	R	20	
Iron	mg/L	16.68815	25.40123	1.00000	15.36309	133	%	75-125	4
						26.4	R	20	*
Manganese	mg/L	0.96025	5.11400	0.50000	0.44920	102	%	75-125	
						0.0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMAQ09-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		245096-2		03/27/2006	1432

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP5
Batch.....: 176948
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.24244			0.98131	23.5	D	10.0	E
Calcium	mg/L	11.75452			58.32433	0.8	D	10.0	
Iron	mg/L	3.15959			15.36309	2.8	D	10.0	
Manganese	mg/L	0.09038			0.44920	0.6	D	10.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096 Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 310.1 Batch.....: 176475 Analyst...: nrp
Method Description.: Alkalinity Equipment Code....: PC TITRATE Test Code.: ALK
Parameter.....: Alkalinity, Total as CaCO3

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176467-002		mg/L	1.40000 U								03/21/2006	1849
LCS	176467-003	I05LSTAK2A	mg/L	99.42000		100.00000	1.40000 U	99		%	80-120	03/21/2006	1857

Test Method.....: 300.0 Batch.....: 176879 Analyst...: nrp
Method Description.: Ion Chromatography Analysis Equipment Code....: IC4 Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176879-003		mg/L	0.08000 U								03/23/2006	1427
LCS	176879-004	I06CINIC1E	mg/L	5.05470		5.00000		101		%	90-110	03/23/2006	1441
MB	176879-003		mg/L	0.08000 U								03/23/2006	1905
LCS	176879-004	I06CINIC1E	mg/L	5.13590		5.00000		103		%	90-110	03/23/2006	1919

Test Method.....: 300.0 Batch.....: 176882 Analyst...: nrp
Method Description.: Ion Chromatography Analysis Equipment Code....: IC4 Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176882-003		mg/L	0.08000 U								03/24/2006	1250
LCS	176882-004	I06CINIC1G	mg/L	5.13140		5.00000		103		%	90-110	03/24/2006	1304

Test Method.....: 353.2 Batch.....: 176835 Analyst...: pmf
Method Description.: Nitrogen, NO2, NO3 (Auto Cd Red.) Equipment Code....: AQ2 Test Code.: NO3NO2
Parameter.....: Nitrate + Nitrite as N

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176835-004		mg/L	0.02500 U								03/27/2006	0824
LCS	176835-005	I06CSTNN2	mg/L	0.98440		1.00000	0.02500 U	98		%	80-120	03/27/2006	0826

Test Method.....: 365.2 Batch.....: 176676 Analyst...: pmf
Method Description.: Phosphorous, All Forms Equipment Code....: SPEC4 Test Code.: PTOT
Parameter.....: Phosphorous, Total as P

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCS	176676-005	I05JSTPS2	mg/L	0.49700		0.50000	0.01120 U	99		%	80-120	03/24/2006	0759
MB	176676-004		mg/L	0.01120 U								03/24/2006	0759

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245096

Report Date.: 03/29/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 415.1
Method Description.: Organic Carbon
Parameter.....: TOC Average Duplicates

Batch.....: 177002
Equipment Code....: TOC3

Analyst...: kd
Test Code.: TOCAV2

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	177002-004		mg/L	0.36000 U								03/28/2006	0920
LCS	177002-005	I06CSTTC2	mg/L	10.42700		10.00000	0.36000 U	104		%	80-120	03/28/2006	0935

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
313 Ushers Rd, Ballston Lake NY 12019
Phone: 518-877-0390
Fax: 518-877-6414
E-Mail: eevans@hgl.com

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 245046

Package Sealed	Samples Sealed
Yes / No	Yes / No
Received on Ice	Samples Intact
Yes No	Yes No
Temperature °C of Cooler: 2.8, 3.1	
Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	Res Cl_2 Check OK
Yes No NA	Yes No NA
Sample Labels and COC Agree	
Yes No	COC not present

Sampler Name: S. Skaarup
Signature:
Project Name: MCA Barracks
Project Number: OMA009-001
Project Location: Hunter AAF - Savannah, GA
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrig #	# Cont.	Volume	Preserv	VOCs 8260B	RSK175 (CO2, CH4, ETH, MEETH, ETC)	E300.0 Alkalinity	Total Metals (Fe, Mn, Ca, Mg, K, Na) 6200 Anions SO4 only	NO3, NO2, PO4 353.2-365.3	Additional Analyses / Remarks
1		FB031306	3/13/06	1900	W	G		3	40ml	1	X					
2		MCA-GW HGL-5B-0306	3/14/06	0850				3	40ml	1	X	X	X	X	X	
3		MCA-GW HGL-5C-0306	3/14/06	1125				3	40ml	1	X	X	X	X	X	
4		MCA-GW HGL-11B-0306	3/14/06	1540				3	40ml	1	X	X	X	X	X	
5		MCA-GW HGL-11C-0306	3/14/06	1810				3	40ml	1	X	X	X	X	X	
6		FB031406	3/14/06	1900				3	40ml	1	X					
7		MCA-GW XX-24-0306	3/15/06	1040				3	40ml	1	X					
8		MCA-GW HGL-7B-0306	3/15/06	1300				3	40ml	1	X	X	X	X	X	
9		MCA-GW HGL-7C-0306	3/15/06	1500				3	40ml	1	X	X	X	X	X	
10		TB031506	3/15/06	1700	V	V		3	40ml	1	X					qty = 2 VOAs

RELINQUISHED BY: HGL — COMPANY — 03-15-06 — DATE — 1800 — TIME
RELINQUISHED BY: — COMPANY — DATE — TIME
RECEIVED BY: — COMPANY — DATE — TIME
RECEIVED BY: — COMPANY — 3/16/06 — DATE — 0915 — TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other: _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS: E300 ; sulfate only

Date Received: / /
Courier: FX
Hand Delivered ☐
Bill of Lading

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 245171

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 03/30/2006

Linda S Mackley
Signature

3-30-06
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

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FAX..: (708) 534-5211

This Report Contains (43) Pages

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 245171

SEVERN TRENT STL®

March 30, 2006

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

Ms. Linda Mackley
Severn Trent Laboratories
2417 Bond Street
University Park, IL 60466

Re: Laboratory Project No. 26002
Case: HUNTAAF; SDG: 245171

Dear Ms. Mackley:

Enclosed are the analytical results for the samples that were received by STL Burlington on March 21st, 2006. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 03/21/06 ETR No: 113241		
661874	MCA-GWHGL-3B-0306	03/16/06	Water
661874MS	MCA-GWHGL-3B-0306MS	03/16/06	Water
661874MD	MCA-GWHGL-3B-0306MSD	03/16/06	Water
661875	MCA-GWHGL-3C-0306	03/16/06	Water
661876	MCA-GWHGL-8B-0306	03/16/06	Water
661877	MCA-GWHGL-8C-0306	03/16/06	Water
661878	MCA-GWHGL-4B-0306	03/17/06	Water
661879	MCA-GWHGL-4C-0306	03/17/06	Water
661880	MCA-GWHGL-6B-0306	03/17/06	Water
661881	MCA-GWHGL-6C-0306	03/17/06	Water

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. In order to accommodate field length limitations in processing the data summary forms, the laboratory did, in certain instances, abbreviate the sample identifier. The electronically formatted data provides for the full sample identifier.

The samples were analyzed for methane, ethane and ethene by Method RSK-175. Samples MCA-GWHGL-3C-0306 and MCA-GWHGL-8B-0306 were analyzed for methane at a dilution in order to provide for quantification with the range of calibrated instrument response. Matrix spike and matrix spike duplicate analyses were performed on sample MCA-GWHGL-3B-0306 in this sample set. The spiked compounds were recovered well in the matrix spike analyses and the analyses did yield results with good correspondence in the interanalysis comparison. A laboratory control sample was prepared and analyzed in the analytical sequence, and the target compounds were recovered well in that analysis. The method blank that was analyzed in association with the samples was free of contamination.

Designated samples were additionally analyzed for carbon dioxide by Method RSK-175. Matrix spike and matrix spike duplicate analyses were performed on sample EMG-MW-2D in this sample set. The spiked carbon dioxide was recovered well in the matrix spike analyses and the

analyses did yield results with good correspondence in the interanalysis comparison. A laboratory control sample was prepared and analyzed in the analytical sequence, using oxygen and nitrogen as the components. These gases were recovered well in that analysis. The method blank that was analyzed in association with the samples was free of contamination.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

Kristine A. Dusablon
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
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Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park 3/3 Usher Rd, Ballston Lake, NY 12019
Phone: 518-877-0444 ext 0390
Fax: 518-877-0416
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 245171

Package Sealed: Yes / No	Samples Sealed: Yes / (No)
Received on Ice: (Yes) / No	Samples Intact: (Yes) / No
Temperature °C of Cooler: (4.1) (3.0) (2.0)	
Within Hold Time: (Yes) / No	Preserv. Indicated: (Yes) / No / NA
pH Check OK: (Yes) / No / NA	Res Cl2 Check OK: Yes / No / (NA)
Sample Labels and COC Agree: (Yes) / No	COC not present

Sampler Name: M. Jackson
Signature:
Project Name: MCA Barracks
Project Number: OMA009-001
Project Locality: Hill AFB - Layton, UT
Date Required: Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: Linda Mackey

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Bottle #	# Cont.	Volume	Preserv.	VOCs 8260B	LSK175(CO2)	LSK175 (Mthane)	TOC 415.1	E310.1 Alkalinity Total as CaCO3 (Fe, Mn, Ca, Al)	E300 Anions SO4 only NO3, NO2 by 353.2			Additional Analyses / Remarks
		EB 031506	3-15-06	1900	W	G					X								
1	X	MCA-GW HGL-3B-0306	3-16-06	0910							X	X	X	X	X	X	X	X	MCA-GW HGL 3B MS-0306 MCA-GW HGL 3B MSD-0306
2		MCA-GW HGL-3C-0306		1050							X	X	X	X	X	X	X	X	
3		MCA-GW HGL-8B-0306		1300							X	X	X	X	X	X	X	X	
4		MCA-GW HGL-8C-0306		1445							X	X	X	X	X	X	X	X	
		EB 031606		1900							X								
		MCA-GW Dup-202-0306									X								
5		MCA-GW HGL-4B-0306	3-A-06	0950							X	X	X	X	X	X	X	X	
6		MCA-GW HGL-4C-0306		1125							X	X	X	X	X	X	X	X	
7		MCA-GW HGL-6B-0306		1340							X	X	X	X	X	X	X	X	
8		MCA-GW HGL-6C-0306		1535							X	X	X	X	X	X	X	X	
		MCA-GW MW203-0306		0937							X								MCA MT

RELINQUISHED BY		COMPANY HGL	DATE 3-17-06	TIME 1820	RECEIVED BY	COMPANY SA	DATE 3/18/06 TIME 0900
RELINQUISHED BY		COMPANY	DATE	TIME	RECEIVED BY	COMPANY STLVT	DATE 3-21-06 TIME 0930

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Widemouth Glass, 6. Other _____

Preservative Key
1. HCl, Cool to 4°, 2. H2SO4, Cool to 4°, 3. HNO3, Cool to 4°, 4. NaOH, Cool to 4°, 5. NaOH/Zn, Cool to 4°, 6. Cool to 4°, 7. None

COMMENTS: E300: Sulfate only

Date Received 3/18/06
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT STL

RSK-175

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL4B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661878

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R051

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	22	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL4C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661879

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R061

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.8	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL6B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661880

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R071

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL6C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661881

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R081

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	18	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL8C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661877

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R041

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	82	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

HGL3B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661874

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R011

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	11	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

WHGL3C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661875

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R021

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	840	E
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

WHGL3C0306DL

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661875D1

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061346-R011

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	1000	D
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

WHGL8B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661876

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R031

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	680	E
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

WHGL8B0306DL

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661876D1

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061346-R021

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	1000	D
74-84-0	Ethane	20	U
74-85-1	Ethene	15	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLKR032806A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: MBLKR032806A

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA060926-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

HGL3B0306MS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661874MS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R161

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	87	
74-84-0	Ethane	130	
74-85-1	Ethene	130	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

HGL3B0306MSD

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661874MD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA061020-R171

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	100	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

R032806ALCS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: R032806ALCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28MA060926-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/28/06

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	67	
74-84-0	Ethane	120	
74-85-1	Ethene	120	

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix Spike - STLILC Sample No.: HGL3B0306

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Methane	73	11	87	104	70-130
Ethane	140	0.0	130	93	70-130
Ethene	130	0.0	130	100	70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	100	122	16	30	70-130
Ethane	140	160	114	20	30	70-130
Ethene	130	150	115	14	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix Spike - Sample No.: R032806ALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		67	92	70-130
Ethane	140		120	86	70-130
Ethene	130		120	92	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 3 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLKR032806A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Lab File ID: 28MA060926-R021 Lab Sample ID: MBLKR032806A

Date Analyzed: 03/28/06 Time Analyzed: 0950

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	R032806ALCS	R032806ALCS	28MA060926-R	0945
02	HGL3B0306	661874	28MA061020-R	1053
03	WHGL3C0306	661875	28MA061020-R	1057
04	WHGL8B0306	661876	28MA061020-R	1102
05	AGWHGL8C0306	661877	28MA061020-R	1108
06	AGWHGL4B0306	661878	28MA061020-R	1113
07	AGWHGL4C0306	661879	28MA061020-R	1118
08	AGWHGL6B0306	661880	28MA061020-R	1124
09	AGWHGL6C0306	661881	28MA061020-R	1129
10	HGL3B0306MS	661874MS	28MA061020-R	1210
11	HGL3B0306MSD	661874MD	28MA061020-R	1215
12	WHGL3C0306DL	661875D1	28MA061346-R	1456
13	WHGL8B0306DL	661876D1	28MA061346-R	1501
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COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_1 Calibration Date(s): 03/02/06 03/02/06

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1011 1031

LAB FILE ID: RF1: 02MA060848-R0RF2: 02MA060848-R0RF3: 02MA060848-R0
RF4: 02MA060848-R0RF5: 02MA060848-R0

COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1527.660	1324.667	1511.288	1813.830	1317.939
Ethane	1330.337	1266.294	1473.103	1785.738	1593.906
Ethene	1225.301	1177.062	1398.504	1665.031	1416.140

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_1 Calibration Date(s): 03/02/06 03/02/06

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1011 1031

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Methane	AVRG	1499.07672	13.5
Ethane	AVRG	1489.87571	14.0
Ethene	AVRG	1376.40781	14.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_1 Calibration Date: 03/28/06 Time: 0915

Lab File ID: 28MA060808-R01 Init. Calib. Date(s): 03/02/06 03/02/06

Heated Purge: (Y/N) N Init. Calib. Times: 1011 1031

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1499.077	1595.315		6.4	30.0
Ethane	1489.876	1603.691		7.6	30.0
Ethene	1376.408	1573.449		14.3	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_1 Calibration Date: 03/29/06 Time: 0841

Lab File ID: 29MA060818-R01 Init. Calib. Date(s): 03/02/06 03/02/06

Heated Purge: (Y/N) N Init. Calib. Times: 1011 1031

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF2	MIN RRF	%D	MAX %D
Methane	1499.077	1274.722		15.0	30.0
Ethane	1489.876	1578.382		5.9	30.0
Ethene	1376.408	1471.969		6.9	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 03/02/06 03/02/06

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION			
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01	CAL1	CAL1	03/02/06	1011				
02	CAL2	CAL2	03/02/06	1016				
03	CAL3	CAL3	03/02/06	1022				
04	CAL4	CAL4	03/02/06	1026				
05	CAL5	CAL5	03/02/06	1031				
06	ICV	ICV	03/02/06	1037				
07	CCV	CCV	03/28/06	0915				
08	R032806ALCS	R032806ALCS	03/28/06	0945				
09	MBLKR032806A	MBLKR032806A	03/28/06	0950				
10	HGL3B0306	661874	03/28/06	1053				
11	WHGL3C0306	661875	03/28/06	1057				
12	WHGL8B0306	661876	03/28/06	1102				
13	AGWHGL8C0306	661877	03/28/06	1108				
14	AGWHGL4B0306	661878	03/28/06	1113				
15	AGWHGL4C0306	661879	03/28/06	1118				
16	AGWHGL6B0306	661880	03/28/06	1124				
17	AGWHGL6C0306	661881	03/28/06	1129				
18	HGL3B0306MS	661874MS	03/28/06	1210				
19	HGL3B0306MSD	661874MD	03/28/06	1215				
20	WHGL3C0306DL	661875D1	03/28/06	1456				
21	WHGL8B0306DL	661876D1	03/28/06	1501				
22	CCV	CCV	03/29/06	0841				
23								
24								
25								
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27								
28								
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30								
31								
32								
					QC LIMITS			

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

SEVERN TRENT STL

RSK-175 CO2

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL4B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661878

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R111

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	1050	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL4C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661879

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R121

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	749	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL6B0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661880

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R131

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	2660	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLILC SAMPLE NO.

AGWHGL6C0306

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: 661881

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060920-R141

Level: (low/med) LOW Date Received: 03/21/06

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	507	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLKR032306A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: MBLKR032306A

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23MA060856-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-38-9	Carbon Dioxide	500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

R032306ALCS

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix: (soil/water) WATER Lab Sample ID: R032306ALCS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 23MA060856-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/23/06

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	AREA%	Q
7782-44-7	Oxygen		25	
7727-37-9	Nitrogen		75	

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Matrix Spike - Sample No.: R032306ALCS

COMPOUND	SPIKE ADDED (area%)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (area%)	LCS % REC #	QC. LIMITS REC.
Oxygen	22		25	114	70-130
Nitrogen	78		75	96	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLKR032306A

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Lab File ID: 23MA060856-R021 Lab Sample ID: MBLKR032306A

Date Analyzed: 03/23/06 Time Analyzed: 0902

GC Column: CTR-1 ID: 6.35 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	R032306ALCS	R032306ALCS	23MA060856-R	0857
02	AGWHGL4B0306	661878	23MA060920-R	1053
03	AGWHGL4C0306	661879	23MA060920-R	1057
04	AGWHGL6B0306	661880	23MA060920-R	1102
05	AGWHGL6C0306	661881	23MA060920-R	1107
06				
07				
08				
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COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_2 Calibration Date(s): 03/03/06 03/03/06

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1012 1033

LAB FILE ID: RF500: 03MA060944-RF2500: 03MA060944RF5000: 03MA060944
RF7500: 03MA060944RF10000: 03MA06094

COMPOUND	RF500	RF2500	RF5000	RF7500	RF10000
Carbon Dioxide	0.524	0.483	0.481	0.701	0.862

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_2 Calibration Date(s): 03/03/06 03/03/06

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1012 1033

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Carbon Dioxide	AVRG	0.61002453	27.4

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_2 Calibration Date: 03/23/06 Time: 0828

Lab File ID: 23MA060813-R01 Init. Calib. Date(s): 03/03/06 03/03/06

Heated Purge: (Y/N) N Init. Calib. Times: 1012 1033

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF 5000	MIN RRF	%D	MAX %D
Carbon Dioxide	0.610	0.540		11.5	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

Instrument ID: 2866_2 Calibration Date: 03/23/06 Time: 1321

Lab File ID: 23MA061316-R01 Init. Calib. Date(s): 03/03/06 03/03/06

Heated Purge: (Y/N) N Init. Calib. Times: 1012 1033

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF 2500	MIN RRF	%D	MAX %D
Carbon Dioxide	0.610	0.466		23.6	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s): 03/03/06 03/03/06

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	03/03/06	1012		
02	CAL2	CAL2	03/03/06	1017		
03	CAL3	CAL3	03/03/06	1024		
04	CAL4	CAL4	03/03/06	1028		
05	CAL5	CAL5	03/03/06	1033		
06	ICV	ICV	03/03/06	1321		
07	CCV	CCV	03/23/06	0828		
08	MBLKR032306A	MBLKR032306A	03/23/06	0902		
09	AGWHGL4B0306	661878	03/23/06	1053		
10	AGWHGL4C0306	661879	03/23/06	1057		
11	AGWHGL6B0306	661880	03/23/06	1102		
12	AGWHGL6C0306	661881	03/23/06	1107		
13	CCV	CCV	03/23/06	1321		
14						
15						
16						
17						
18						
19						
20						
21						
22						
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29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 26002

Lab Code: STLVT Case No.: HUNTAAF SAS No.: SDG No.: 245171

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s):

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	R032306ALCS	R032306ALCS	03/23/06	0857		
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
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31						
32						
			QC LIMITS			

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 245170

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 04/07/2006

Linda S Mackley
Signature

4-7-06
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (96) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: Hydrogeologic, Inc.
Project ID: OMA009-001
STL Job# 245170

Date Recd: 03/18/06

1. This narrative covers the Metals analysis of samples in the above STL Job.

   Method Ref: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limit.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

5. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

6. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.

7. Method Blank concentrations were less than the Reporting Limits except for Ca (0.12 mg/l). Please note: The sample concentrations were all greater than ten times the MB concentration for Ca, therefore reanalysis was not performed.

8. Matrix QC was performed on Samples 2 and 8.

   Serial Dilution analysis was within control limits.

   Matrix Spike (MS/MSD) recoveries were within 75-125% control limits (control limits are not applicable when the sample concentration exceeds the spike added concentration by a factor of 4 or more) except for Al (MS/MSD).

   Duplicate results were within the 20% RPD control limits for sample concentrations greater than 5X the R.L. or +\- the R.L for sample concentrations less than 5X the R.L.

Jodi L. Gromala
Metals Section Manager

3-24-06
Date

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF-OMA009-001
Job Number: 245170
VOA DATA:

1. The reanalysis of sample 2 was analyzed 4 days past the recommended 14 day hold time. All of the other samples were analyzed within the method required hold-time.

2. The Method Blank had all target compounds below the reporting limits.

3. The LCS (Laboratory Control Sample) had all spike recoveries within the QAPP specified QC limits. The ICV 16S0315 had Dichlorodifluoromethane (79.10%) outside the QAPP specified QC limits of 80-120%. The ICV 1820327 had Dichlorodifluoromethane (52.10%) outside the QAPP specified QC limits of 80-120%. All other compounds were within the QAPP specified QC limits.

4. MS/MSD (Matrix Spike/Matrix Spike Duplicate) analyses were performed on samples 2 and 8. The MS for sample 2 had 3 out of 59 compound recoveries outside the QAPP specified QC limits. The MSD for sample 2 had 5 out of 59 compound recoveries outside the QAPP specified QC limits. The MS for sample 8 had 5 out of 59 compound recoveries outside the QAPP specified QC limits. The MSD for sample 8 had 1 out of 59 compound recoveries outside the QAPP specified QC limits. The MS and MSD for sample 2 and 8 were reanalyzed with only 1 out of 59 compounds outside of the QAPP specified QC limits. Only the reanalysis of sample 2 was reported. The LCS samples associated with the matrix spike/matrix spike duplicate samples had all spike recoveries within the QAPP specified QC limits.

5. All volatile samples had surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. All samples were analyzed following SW846 Method 8260B and 8000B. The CCV (Continuing Calibration Verification) 18c0328 had Dichlorodifluoromethane (27.7%) and trans-1,3-Dichloropropene (22.9%) above the QAPP specified calibration criteria of less than 20%D. All other calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. Sample 11 required an initial dilution due to the sample matrix. Sample 11 required a secondary dilution for target compounds. The water results and reporting limits were adjusted to account for the dilutions performed.

9. Due to the poor match between the MS and MSD of samples 2 and 8 the samples and the MS and MSD were reanalyzed. The original results for sample 8 matched the reanalysis therefore corrective action was not taken on sample 8. The original results for sample 2 did not match the reanalysis. Sample 2 was reanalyzed again with results only matching the reanalyzed sample. Both the original analysis and the first reanalysis for sample 2 were reported. The original analysis of sample 2, the MSD for sample 2, and the MS for sample 8 are suspected to be contaminated with a vial or syringe carry over. Further corrective action was not required.

John Nagel
GC/MS VOA Dept.

4·7·06
Date

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SAMPLE INFORMATION
Date: 04/07/2006

Job Number.: 245170
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
245170-1	EB031506	Water	03/15/2006	19:00	03/18/2006	09:00
245170-2	MCA-GWHGL-3B-0306	Water	03/16/2006	09:10	03/18/2006	09:00
245170-3	MCA-GWHGL-3C-0306	Water	03/16/2006	10:50	03/18/2006	09:00
245170-4	MCA-GWHGL-8B-0306	Water	03/16/2006	13:00	03/18/2006	09:00
245170-5	MCA-GWHGL-8C-0306	Water	03/16/2006	14:45	03/18/2006	09:00
245170-6	EB031606	Water	03/16/2006	19:00	03/18/2006	09:00
245170-7	MCA-GWDUP202-0306	Water	03/16/2006	12:00	03/18/2006	09:00
245170-8	MCA-GWHGL-4B-0306	Water	03/17/2006	09:50	03/18/2006	09:00
245170-9	MCA-GWHGL-4C-0306	Water	03/17/2006	11:25	03/18/2006	09:00
245170-10	MCA-GWHGL-6B-0306	Water	03/17/2006	13:40	03/18/2006	09:00
245170-11	MCA-GWHGL-6C-0306	Water	03/17/2006	15:35	03/18/2006	09:00
245170-12	MCA-GWDUP203-0306	Water	03/17/2006	09:37	03/18/2006	09:00
245170-13	EB031706	Water	03/17/2006	16:30	03/18/2006	09:00
245170-14	TB031706	Water	03/17/2006	17:00	03/18/2006	09:00

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LABORATORY TEST RESULTS

Job Number: 245170 Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031506
Date Sampled.....: 03/15/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-1
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031506
Date Sampled.....: 03/15/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-1
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	177048		03/28/06 1925	jdr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031506
Date Sampled.....: 03/15/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-1
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	177048		03/28/06 1925	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	177048		03/28/06 1925	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245170 Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3B-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 245170-2
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	180			1.4	5.0	1	mg/L	176475		03/21/06 2149	nr
300.0	Ion Chromatography Analysis											
	Sulfate	72			0.80	2.0	10.00	mg/L	176882		03/24/06 1604	nr
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0905	pm
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	6.6			0.17	0.75	5	mg/L	176676		03/24/06 0801	pm
415.1	Organic Carbon											
	TOC Average Duplicates	5.5			0.36	1.0	1	mg/L	177002		03/28/06 1130	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	5.8			0.034	0.10	1	mg/L	176671		03/23/06 1830	tds
	Manganese	0.14			0.00044	0.010	1	mg/L	176671		03/23/06 1830	tds
	Aluminum	0.75			0.013	0.20	1	mg/L	176671		03/23/06 1830	tds
	Calcium	55		H	0.057	0.10	1	mg/L	176671		03/23/06 1830	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170 Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3B-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 245170-2
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Acetone	13			1.4	5.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3B-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 245170-2
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	Benzene	2.9			0.23	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdr
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/27/06 2317	jdr
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Toluene	29			0.18	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170 Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3B-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 245170-2
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Ethylbenzene	6.3			0.21	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	m&p-Xylenes	21			0.36	2.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	o-Xylene	9.4			0.19	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170 Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3B-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 245170-2
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	n-Propylbenzene	1.1			0.16	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,3,5-Trimethylbenzene	2.5			0.18	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,2,4-Trimethylbenzene	8.3			0.26	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/27/06 2317	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	177485	R1	04/03/06 2144	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3C-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 10:50
Sample Matrix.....: Water

Laboratory Sample ID: 245170-3
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	180			1.4	5.0	1	mg/L	176475		03/21/06 2206	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	41			0.40	1.0	5.00	mg/L	176879		03/23/06 2042	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0915	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	1.1			0.034	0.15	1	mg/L	176676		03/24/06 0803	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	4.2			0.36	1.0	1	mg/L	177139		03/29/06 1617	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	0.67			0.034	0.10	1	mg/L	176671		03/23/06 1901	tds
	Manganese	0.055			0.00044	0.010	1	mg/L	176671		03/23/06 1901	tds
	Aluminum	0.43			0.013	0.20	1	mg/L	176671		03/23/06 1901	tds
	Calcium	44		H	0.057	0.10	1	mg/L	176671		03/23/06 1901	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-GWHGL-3C-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 10:50
Sample Matrix.....: Water

Laboratory Sample ID: 245170-3
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0032	jdr
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Benzene	14			0.23	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Toluene	1.6			0.18	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-3C-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 10:50
Sample Matrix.....: Water

Laboratory Sample ID: 245170-3
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Ethylbenzene	10			0.21	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	m&p-Xylenes	5.1			0.36	2.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	o-Xylene	7.6			0.19	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Isopropylbenzene	1.2			0.20	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,3,5-Trimethylbenzene	1.6			0.18	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,2,4-Trimethylbenzene	3.3			0.26	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0032	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-BB-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-4
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	39			1.4	5.0	1	mg/L	176475		03/21/06 2214	nrp
300.0	Ion Chromatography Analysis											
	Sulfate	3.3			0.080	0.20	1.00	mg/L	176882		03/24/06 1646	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0917	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.16			0.034	0.15	1	mg/L	176676		03/24/06 0803	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	6.1			0.36	1.0	1	mg/L	177139		03/29/06 1633	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	0.86			0.034	0.10	1	mg/L	176671		03/23/06 1907	tds
	Manganese	0.012			0.00044	0.010	1	mg/L	176671		03/23/06 1907	tds
	Aluminum	0.61			0.013	0.20	1	mg/L	176671		03/23/06 1907	tds
	Calcium	9.7		H	0.057	0.10	1	mg/L	176671		03/23/06 1907	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0057	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-88-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-4
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Trichloroethene	1.9			0.13	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0057	jdr
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0057	jdr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-BB-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-4
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0057	jd
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0057	jd
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0057	jd

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245170 Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-8C-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 245170-5
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	16			1.4	5.0	1	mg/L	176556		03/22/06 1257	rnr
300.0	Ion Chromatography Analysis											
	Sulfate	1.3			0.080	0.20	1.00	mg/L	176882		03/24/06 1700	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.10	U		0.025	0.10	1	mg/L	176835		03/27/06 0919	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.18			0.034	0.15	1	mg/L	176676		03/24/06 0803	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.0			0.36	1.0	1	mg/L	177139		03/29/06 1648	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	1.4			0.034	0.10	1	mg/L	176671		03/23/06 1937	tds
	Manganese	0.031			0.00044	0.010	1	mg/L	176671		03/23/06 1937	tds
	Aluminum	0.096	B		0.013	0.20	1	mg/L	176671		03/23/06 1937	tds
	Calcium	3.0		H	0.057	0.10	1	mg/L	176671		03/23/06 1937	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-8C-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 245170-5
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0121	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0121	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-8C-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 245170-5
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0121	jdr

* In Description = Dry Wgt.

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Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031606
Date Sampled.....: 03/16/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-6
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031606
Date Sampled.....: 03/16/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-6
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0146	jdr
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031606
Date Sampled.....: 03/16/2006
Time Sampled.....: 19:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-6
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0146	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP202-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-7
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Trichloroethene	2.0			0.13	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP202-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-7
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0211	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP202-0306
Date Sampled.....: 03/16/2006
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-7
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0211	jdr
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0211	jdr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-4B-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 09:50
Sample Matrix.....: Water

Laboratory Sample ID: 245170-8
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	29			1.4	5.0	1	mg/L	176556		03/22/06 1306	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	17			0.40	1.0	5.00	mg/L	176879		03/23/06 2124	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.027	B		0.025	0.10	1	mg/L	177093		03/29/06 1129	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	1.5			0.034	0.15	1	mg/L	177175		03/30/06 0959	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	4.9			0.36	1.0	1	mg/L	177139		03/29/06 1703	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	4.0			0.034	0.10	1	mg/L	176671		03/23/06 1943	tds
	Manganese	0.081			0.00044	0.010	1	mg/L	176671		03/23/06 1943	tds
	Aluminum	3.4			0.013	0.20	1	mg/L	176671		03/23/06 1943	tds
	Calcium	11		H	0.057	0.10	1	mg/L	176671		03/23/06 1943	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170 Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-4B-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 09:50
Sample Matrix.....: Water

Laboratory Sample ID: 245170-8
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-4B-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 09:50
Sample Matrix.....: Water

Laboratory Sample ID: 245170-8
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0236	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-4C-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245170-9
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	22			1.4	5.0	1	mg/L	176556		03/22/06 1323	rm
300.0	Ion Chromatography Analysis											
	Sulfate	13			0.40	1.0	5.00	mg/L	176879		03/23/06 2138	nr
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.035	B		0.025	0.10	1	mg/L	177093		03/29/06 1136	pm
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	3.0			0.068	0.30	2	mg/L	176676		03/24/06 0804	pm
415.1	Organic Carbon											
	TOC Average Duplicates	1.8			0.36	1.0	1	mg/L	177139		03/29/06 1736	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	2.1			0.034	0.10	1	mg/L	176671		03/23/06 2014	tds
	Manganese	0.044			0.00044	0.010	1	mg/L	176671		03/23/06 2014	tds
	Aluminum	2.4			0.013	0.20	1	mg/L	176671		03/23/06 2014	tds
	Calcium	8.7		H	0.057	0.10	1	mg/L	176671		03/23/06 2014	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245170

LABORATORY TEST RESULTS

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-4C-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245170-9
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn

* In Description = Dry Wgt.

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Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-4C-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 11:25
Sample Matrix.....: Water

Laboratory Sample ID: 245170-9
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0350	jdr
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0350	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-6B-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 245170-10
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	39			1.4	5.0	1	mg/L	176556		03/22/06 1331	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	130			1.6	4.0	20.00	mg/L	176882		03/24/06 1714	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	3.0			0.12	0.50	5	mg/L	177093		03/29/06 1336	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.043	B		0.034	0.15	1	mg/L	176676		03/24/06 0804	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	4.1			0.36	1.0	1	mg/L	177139		03/29/06 1751	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	2.5			0.034	0.10	1	mg/L	176671		03/23/06 2021	tds
	Manganese	0.060			0.00044	0.010	1	mg/L	176671		03/23/06 2021	tds
	Aluminum	0.99			0.013	0.20	1	mg/L	176671		03/23/06 2021	tds
	Calcium	58		H	0.057	0.10	1	mg/L	176671		03/23/06 2021	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-6B-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 245170-10
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	cis-1,2-Dichloroethene	12			0.20	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Trichloroethene	39			0.13	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170 Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-6B-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 245170-10
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0415	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-6C-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245170-11
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
310.1	Alkalinity											
	Alkalinity, Total as CaCO3	21			1.4	5.0	1	mg/L	176556		03/22/06 1339	rnm
300.0	Ion Chromatography Analysis											
	Sulfate	28			0.40	1.0	5.00	mg/L	176879		03/23/06 2206	nrp
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)											
	Nitrate + Nitrite as N	0.25			0.025	0.10	1	mg/L	177093		03/29/06 1140	pmf
365.2	Phosphorous, All Forms											
	Phosphorous, Total as PO4	0.12	B		0.034	0.15	1	mg/L	176676		03/24/06 0804	pmf
415.1	Organic Carbon											
	TOC Average Duplicates	1.3			0.36	1.0	1	mg/L	177139		03/29/06 1822	kd
6010B	Metals Analysis (ICAP Trace)											
	Iron	2.7			0.034	0.10	1	mg/L	176671		03/23/06 2027	tds
	Manganese	0.046			0.00044	0.010	1	mg/L	176671		03/23/06 2027	tds
	Aluminum	0.75			0.013	0.20	1	mg/L	176671		03/23/06 2027	tds
	Calcium	5.4		H	0.057	0.10	1	mg/L	176671		03/23/06 2027	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	10	U		1.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Chloromethane	10	U		2.0	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Vinyl chloride	10	U		1.6	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Bromomethane	10	U		5.9	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Chloroethane	10	U		3.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Trichlorofluoromethane	10	U		1.4	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1-Dichloroethene	10	U		2.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170 Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-6C-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245170-11
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Carbon disulfide	50	U		1.5	50	10.0000	ug/L	177048		03/28/06 1948	jdn
	Acetone	50	U		14	50	10.0000	ug/L	177048		03/28/06 1948	jdn
	Methylene chloride	10	U		2.4	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	trans-1,2-Dichloroethene	10	U		2.9	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Methyl-tert-butyl-ether (MTBE)	10	U		2.1	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1-Dichloroethane	10	U		1.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	2,2-Dichloropropane	10	U		1.7	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	cis-1,2-Dichloroethene	460			2.0	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	2-Butanone (MEK)	50	U		10	50	10.0000	ug/L	177048		03/28/06 1948	jdn
	Bromochloromethane	10	U		2.7	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Chloroform	10	U		1.4	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1,1-Trichloroethane	10	U		1.7	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1-Dichloropropene	10	U		3.8	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Carbon tetrachloride	10	U		3.4	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Benzene	10	U		2.3	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,2-Dichloroethane	10	U		2.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Trichloroethene	3800			65	500	500.000	ug/L	176949	D1	03/28/06 0504	jdn
	1,2-Dichloropropane	10	U		1.9	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Dibromomethane	10	U		2.1	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Bromodichloromethane	10	U		2.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	cis-1,3-Dichloropropene	10	U		1.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	4-Methyl-2-pentanone (MIBK)	50	U		9.2	50	10.0000	ug/L	177048		03/28/06 1948	jdn
	Toluene	10	U		1.8	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	trans-1,3-Dichloropropene	10	U		1.6	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1,2-Trichloroethane	10	U		2.4	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Tetrachloroethene	10	U		1.8	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,3-Dichloropropane	10	U		2.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	2-Hexanone	50	U		9.9	50	10.0000	ug/L	177048		03/28/06 1948	jdn
	Dibromochloromethane	10	U		2.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWHGL-6C-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245170-11
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromoethane (EDB)	10	U		3.3	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Chlorobenzene	10	U		1.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1,1,2-Tetrachloroethane	10	U		3.3	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Ethylbenzene	10	U		2.1	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	m&p-Xylenes	20	U		3.6	20	10.0000	ug/L	177048		03/28/06 1948	jdn
	o-Xylene	10	U		1.9	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Styrene	10	U		1.8	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Bromoform	10	U		3.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Isopropylbenzene	10	U		2.0	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	Bromobenzene	10	U		2.2	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,1,2,2-Tetrachloroethane	10	U		3.4	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,2,3-Trichloropropane	10	U		3.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	n-Propylbenzene	10	U		1.6	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	2-Chlorotoluene	10	U		1.6	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,3,5-Trimethylbenzene	10	U		1.8	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	4-Chlorotoluene	10	U		1.8	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	tert-Butylbenzene	10	U		1.6	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,2,4-Trimethylbenzene	10	U		2.6	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	sec-Butylbenzene	10	U		1.9	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	p-Isopropyltoluene	10	U		2.9	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	n-Butylbenzene	10	U		3.5	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,2-Dibromo-3-chloropropane	10	U		4.1	10	10.0000	ug/L	177048		03/28/06 1948	jdn
	1,2,3-Trichlorobenzene	10	U		4.3	10	10.0000	ug/L	177048		03/28/06 1948	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP203-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 09:37
Sample Matrix.....: Water

Laboratory Sample ID: 245170-12
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	cis-1,2-Dichloroethene	12			0.20	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Trichloroethene	39			0.13	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP203-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 09:37
Sample Matrix.....: Water

Laboratory Sample ID: 245170-12
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP203-0306
Date Sampled.....: 03/17/2006
Time Sampled.....: 09:37
Sample Matrix.....: Water

Laboratory Sample ID: 245170-12
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0529	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB031706
Date Sampled.....: 03/17/2006
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 245170-13
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031706
Date Sampled.....: 03/17/2006
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 245170-13
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn

* In Description = Dry Wgt.

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Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB031706
Date Sampled.....: 03/17/2006
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 245170-13
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0554	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031706
Date Sampled.....: 03/17/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-14
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245170

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB031706
Date Sampled.....: 03/17/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-14
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn

* In Description = Dry Wgt.

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Job Number: 245170

LABORATORY TEST RESULTS

Date:04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB031706
Date Sampled.....: 03/17/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 245170-14
Date Received.....: 03/18/2006
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	176949		03/28/06 0618	jdn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 245170 Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245170-1 Client ID: EB031506 Date Recvd: 03/18/2006 Sample Date: 03/15/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/27/2006 2252	
5030B	5030 10 mL Purge Prep	2	177042		03/28/2006 1925	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	177048	177042	03/28/2006 1925	1.00000

Lab ID: 245170-2 Client ID: MCA-GWHGL-3B-0306 Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/27/2006 2317	
5030B	5030 10 mL Purge Prep	2	177379		03/31/2006 1912	
5030B	5030 10 mL Purge Prep	3	177472		04/03/2006 2144	
5030B	5030 10 mL Purge Prep	4	177495		04/04/2006 1222	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176475	176467	03/21/2006 2149	
300.0	Ion Chromatography Analysis	1	176882	176882	03/24/2006 1604	10.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 1830	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006 0905	
415.1	Organic Carbon	1	177002	177002	03/28/2006 1130	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006 0801	5
8260B	Volatile Organics	1	176949	176941	03/27/2006 2317	1.00000
8260B	Volatile Organics	2	177485	177472	04/03/2006 2144	1.00000

Lab ID: 245170-3 Client ID: MCA-GWHGL-3C-0306 Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0032	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176475	176467	03/21/2006 2206	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006 2042	5.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 1901	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006 0915	
415.1	Organic Carbon	1	177139	177139	03/29/2006 1617	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006 0803	
8260B	Volatile Organics	1	176949	176941	03/28/2006 0032	1.00000

Lab ID: 245170-4 Client ID: MCA-GWHGL-8B-0306 Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0057	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176475	176467	03/21/2006 2214	
300.0	Ion Chromatography Analysis	1	176882	176882	03/24/2006 1646	1.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 1907	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006 0917	
415.1	Organic Carbon	1	177139	177139	03/29/2006 1633	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006 0803	
8260B	Volatile Organics	1	176949	176941	03/28/2006 0057	1.00000

Lab ID: 245170-5 Client ID: MCA-GWHGL-8C-0306 Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0121	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176556	176556	03/22/2006 1257	
300.0	Ion Chromatography Analysis	1	176882	176882	03/24/2006 1700	1.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 1937	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	176835	176835	03/27/2006 0919	
415.1	Organic Carbon	1	177139	177139	03/29/2006 1648	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006 0803	

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LABORATORY CHRONICLE

Job Number: 245170 Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245170-5 Client ID: MCA-GWHGL-8C-0306 — Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
8260B	Volatile Organics	1	176949	176941	03/28/2006 0121	1.00000

Lab ID: 245170-6 Client ID: EB031606 — Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0146	
8260B	Volatile Organics	1	176949	176941	03/28/2006 0146	1.00000

Lab ID: 245170-7 Client ID: MCA-GWDUP202-0306 — Date Recvd: 03/18/2006 Sample Date: 03/16/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0211	
8260B	Volatile Organics	1	176949	176941	03/28/2006 0211	1.00000

Lab ID: 245170-8 Client ID: MCA-GWHGL-4B-0306 — Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0236	
5030B	5030 10 mL Purge Prep	2	177379		03/31/2006 2027	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176556	176556	03/22/2006 1306	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006 2124	5.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 1943	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	177093	177093	03/29/2006 1129	
415.1	Organic Carbon	1	177139	177139	03/29/2006 1703	
365.2	Phosphorous, All Forms	1	177175	177175	03/30/2006 0959	
8260B	Volatile Organics	1	176949	176941	03/28/2006 0236	1.00000

Lab ID: 245170-9 Client ID: MCA-GWHGL-4C-0306 — Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0350	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176556	176556	03/22/2006 1323	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006 2138	5.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 2014	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	177093	177093	03/29/2006 1136	
415.1	Organic Carbon	1	177139	177139	03/29/2006 1736	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006 0804	2
8260B	Volatile Organics	1	176949	176941	03/28/2006 0350	1.00000

Lab ID: 245170-10 Client ID: MCA-GWHGL-6B-0306 — Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006 0415	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	
310.1	Alkalinity	1	176556	176556	03/22/2006 1331	
300.0	Ion Chromatography Analysis	1	176882	176882	03/24/2006 1714	20.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006 2021	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	177093	177093	03/29/2006 1336	5
415.1	Organic Carbon	1	177139	177139	03/29/2006 1751	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006 0804	
8260B	Volatile Organics	1	176949	176941	03/28/2006 0415	1.00000

Lab ID: 245170-11 Client ID: MCA-GWHGL-6C-0306 — Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	177042		03/28/2006 1948	
5030B	5030 10 mL Purge Prep	2	176941		03/28/2006 0440	
5030B	5030 10 mL Purge Prep	3	176941		03/28/2006 0504	
3010A	Acid Digestion (ICAP)	1	176560		03/22/2006 1820	

LABORATORY CHRONICLE

Job Number: 245170 Date: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 245170-11 Client ID: MCA-GWHGL-6C-0306 Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
310.1	Alkalinity	1	176556	176556	03/22/2006	1339	
300.0	Ion Chromatography Analysis	1	176879	176879	03/23/2006	2206	5.00
6010B	Metals Analysis (ICAP Trace)	1	176671	176560	03/23/2006	2027	
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.)	1	177093	177093	03/29/2006	1140	
415.1	Organic Carbon	1	177139	177139	03/29/2006	1822	
365.2	Phosphorous, All Forms	1	176676	176676	03/24/2006	0804	
8260B	Volatile Organics	1	176949	176941	03/28/2006	0504	500.000
8260B	Volatile Organics	1	177048	177042	03/28/2006	1948	10.0000

Lab ID: 245170-12 Client ID: MCA-GWDUP203-0306 Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006	0529	
8260B	Volatile Organics	1	176949	176941	03/28/2006	0529	1.00000

Lab ID: 245170-13 Client ID: EB031706 Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006	0554	
8260B	Volatile Organics	1	176949	176941	03/28/2006	0554	1.00000

Lab ID: 245170-14 Client ID: TB031706 Date Recvd: 03/18/2006 Sample Date: 03/17/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	176941		03/28/2006	0618	
8260B	Volatile Organics	1	176949	176941	03/28/2006	0618	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 176949

Prep Batch..: 176941

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			03/27/2006	94	96	94	96
MB			03/27/2006	93	94	92	93
245170- 2		MCA-GWHGL-3B-0306	03/27/2006	96	95	95	95
245170- 2 MS		MCA-GWHGL-3B-0306	03/27/2006	94	96	99	96
245170- 2 MSD		MCA-GWHGL-3B-0306	03/28/2006	94	96	99	95
245170- 3		MCA-GWHGL-3C-0306	03/28/2006	97	96	99	94
245170- 4		MCA-GWHGL-8B-0306	03/28/2006	97	95	97	95
245170- 5		MCA-GWHGL-8C-0306	03/28/2006	98	93	98	94
245170- 6		EB031606	03/28/2006	98	94	98	94
245170- 7		MCA-GWDUP202-0306	03/28/2006	99	94	98	95
245170- 8		MCA-GWHGL-4B-0306	03/28/2006	99	94	96	94
245170- 8 MS		MCA-GWHGL-4B-0306	03/28/2006	97	97	101	96
245170- 8 MSD		MCA-GWHGL-4B-0306	03/28/2006	96	96	103	97
245170- 9		MCA-GWHGL-4C-0306	03/28/2006	99	95	97	94
245170- 10		MCA-GWHGL-6B-0306	03/28/2006	98	94	98	94
245170- 11	D1	MCA-GWHGL-6C-0306	03/28/2006	103	97	101	98
245170- 12		MCA-GWDUP203-0306	03/28/2006	101	94	100	94
245170- 13		EB031706	03/28/2006	101	96	99	94
245170- 14		TB031706	03/28/2006	101	93	100	95

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 177048

Prep Batch..: 177042

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			03/28/2006	104	98	100	106
MB			03/28/2006	103	92	97	116
245170- 1		EB031506	03/28/2006	103	96	96	108
245170- 11		MCA-GWHGL-6C-0306	03/28/2006	103	95	97	109

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 177485

Prep Batch..: 177472

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			04/03/2006	101	102	103	100
MB			04/03/2006	106	99	103	99
245170- 2	R1	MCA-GWHGL-3B-0306	04/03/2006	108	97	104	100
245170- 2 MS		MCA-GWHGL-3B-0306	04/03/2006	106	103	108	100

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 177485

Prep Batch..: 177472

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
245170- 2	MSD	MCA-GWHGL-3B-0306	04/03/2006	107	102	106	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 245170 — Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C27DSA	176941-002		03/27/2006	2203

Test Method.....: 8260B — Equipment Code....: GCL16 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 176949

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.097		25.000	1.000 U	48	%	24-171	
Chloromethane	ug/L	16.135		25.000	1.000 U	65	%	31-182	
Vinyl chloride	ug/L	18.344		25.000	1.000 U	73	%	50-145	
Bromomethane	ug/L	18.332		25.000	1.000 U	73	%	31-188	
Chloroethane	ug/L	17.497		25.000	1.000 U	70	%	58-148	
Trichlorofluoromethane	ug/L	21.953		25.000	1.000 U	88	%	54-142	
1,1-Dichloroethene	ug/L	26.704		25.000	1.000 U	107	%	51-136	
Carbon disulfide	ug/L	24.854		25.000	5.000 U	99	%	21-111	
Acetone	ug/L	23.259		25.000	5.000 U	93	%	14-177	
Methylene chloride	ug/L	23.628		25.000	1.000 U	95	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.257		25.000	1.000 U	81	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	21.518		25.000	1.000 U	86	%	55-142	
1,1-Dichloroethane	ug/L	24.268		25.000	1.000 U	97	%	70-124	
2,2-Dichloropropane	ug/L	25.356		25.000	1.000 U	101	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.416		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	22.216		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	22.582		25.000	1.000 U	90	%	57-116	
Chloroform	ug/L	24.652		25.000	1.000 U	99	%	75-122	
1,1,1-Trichloroethane	ug/L	26.090		25.000	1.000 U	104	%	70-127	
1,1-Dichloropropene	ug/L	26.379		25.000	1.000 U	106	%	70-125	
Carbon tetrachloride	ug/L	25.316		25.000	1.000 U	101	%	64-132	
Benzene	ug/L	24.462		25.000	1.000 U	98	%	75-122	
1,2-Dichloroethane	ug/L	23.859		25.000	1.000 U	95	%	67-120	
Trichloroethene	ug/L	26.096		25.000	1.000 U	104	%	70-125	
1,2-Dichloropropane	ug/L	24.544		25.000	1.000 U	98	%	76-116	
Dibromomethane	ug/L	24.155		25.000	1.000 U	97	%	68-116	
Bromodichloromethane	ug/L	25.590		25.000	1.000 U	102	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.761		26.000	1.000 U	88	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.864		25.000	5.000 U	99	%	39-137	
Toluene	ug/L	24.485		25.000	1.000 U	98	%	77-120	
trans-1,3-Dichloropropene	ug/L	20.552		24.000	1.000 U	86	%	68-119	
1,1,2-Trichloroethane	ug/L	25.756		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	24.968		25.000	1.000 U	100	%	45-150	
1,3-Dichloropropane	ug/L	25.804		25.000	1.000 U	103	%	72-118	
2-Hexanone	ug/L	23.041		25.000	5.000 U	92	%	36-144	
Dibromochloromethane	ug/L	22.492		25.000	1.000 U	90	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	25.753		25.000	1.000 U	103	%	62-123	
Chlorobenzene	ug/L	24.246		25.000	1.000 U	97	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.076		25.000	1.000 U	100	%	77-120	
Ethylbenzene	ug/L	25.089		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	51.176		50.000	2.000 U	102	%	75-123	
o-Xylene	ug/L	25.604		25.000	1.000 U	102	%	76-121	
Styrene	ug/L	24.042		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	21.181		25.000	1.000 U	85	%	65-115	
Isopropylbenzene	ug/L	23.522		25.000	1.000 U	94	%	64-119	
Bromobenzene	ug/L	24.815		25.000	1.000 U	99	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.334		25.000	1.000 U	97	%	61-122	
1,2,3-Trichloropropane	ug/L	25.300		25.000	1.000 U	101	%	62-124	
n-Propylbenzene	ug/L	26.291		25.000	1.000 U	105	%	69-132	
2-Chlorotoluene	ug/L	25.649		25.000	1.000 U	103	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C27DSA	176941-002		03/27/2006	2203

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	25.959		25.000	1.000 U	104	%	70-132	
4-Chlorotoluene	ug/L	25.167		25.000	1.000 U	101	%	70-126	
tert-Butylbenzene	ug/L	26.232		25.000	1.000 U	105	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.234		25.000	1.000 U	105	%	71-131	
sec-Butylbenzene	ug/L	26.187		25.000	1.000 U	105	%	70-134	
p-Isopropyltoluene	ug/L	24.280		25.000	1.000 U	97	%	66-130	
n-Butylbenzene	ug/L	25.494		25.000	1.000 U	102	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.423		25.000	1.000 U	82	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.240		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176941-001		03/27/2006	2138

Test Method.....: 8260B Equipment Code....: GCL16 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 176949

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		176941-001		03/27/2006	2138

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06C27DSA	245170-2		03/27/2006	2342

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 176949

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.483		25.000	1.000 U	50	%	24-171	
Chloromethane	ug/L	17.503		25.000	1.000 U	70	%	31-182	
Vinyl chloride	ug/L	19.320		25.000	1.000 U	77	%	50-145	
Bromomethane	ug/L	20.827		25.000	1.000 U	83	%	31-188	
Chloroethane	ug/L	19.803		25.000	1.000 U	79	%	58-148	
Trichlorofluoromethane	ug/L	19.034		25.000	1.000 U	76	%	54-142	
1,1-Dichloroethene	ug/L	27.835		25.000	1.000 U	111	%	51-136	
Carbon disulfide	ug/L	26.039		25.000	5.000 U	104	%	21-111	
Acetone	ug/L	29.950		25.000	13.288	67	%	14-177	
Methylene chloride	ug/L	28.138		25.000	1.000 U	113	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.993		25.000	1.000 U	88	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	23.033		25.000	1.000 U	92	%	55-142	
1,1-Dichloroethane	ug/L	26.629		25.000	1.000 U	107	%	70-124	
2,2-Dichloropropane	ug/L	26.306		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	28.117		25.000	1.000 U	112	%	70-125	
2-Butanone (MEK)	ug/L	23.073		25.000	5.000 U	92	%	29-139	
Bromochloromethane	ug/L	24.178		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	27.051		25.000	1.000 U	108	%	75-122	
1,1,1-Trichloroethane	ug/L	27.668		25.000	1.000 U	111	%	70-127	
1,1-Dichloropropene	ug/L	28.173		25.000	1.000 U	113	%	70-125	
Carbon tetrachloride	ug/L	26.181		25.000	1.000 U	105	%	64-132	
Benzene	ug/L	26.266		25.000	2.872	94	%	75-122	
1,2-Dichloroethane	ug/L	25.908		25.000	1.000 U	104	%	67-120	
Trichloroethene	ug/L	26.444		25.000	1.000 U	106	%	70-125	
1,2-Dichloropropane	ug/L	26.509		25.000	1.000 U	106	%	76-116	
Dibromomethane	ug/L	25.812		25.000	1.000 U	103	%	68-116	
Bromodichloromethane	ug/L	28.313		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.411		26.000	1.000 U	94	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	26.498		25.000	5.000 U	106	%	39-137	
Toluene	ug/L	26.990		25.000	29.134	-9	%	77-120	*
trans-1,3-Dichloropropene	ug/L	21.939		24.000	1.000 U	91	%	68-119	
1,1,2-Trichloroethane	ug/L	27.644		25.000	1.000 U	111	%	63-127	
Tetrachloroethene	ug/L	25.108		25.000	1.000 U	100	%	45-150	
1,3-Dichloropropane	ug/L	27.062		25.000	1.000 U	108	%	72-118	
2-Hexanone	ug/L	24.461		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	23.430		25.000	1.000 U	94	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	26.695		25.000	1.000 U	107	%	62-123	
Chlorobenzene	ug/L	25.818		25.000	1.000 U	103	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.898		25.000	1.000 U	108	%	77-120	
Ethylbenzene	ug/L	26.774		25.000	6.336	82	%	75-125	
m&p-Xylenes	ug/L	54.490		50.000	21.272	66	%	75-123	*
o-Xylene	ug/L	27.920		25.000	9.351	74	%	76-121	*
Styrene	ug/L	25.814		25.000	1.000 U	103	%	77-128	
Bromoform	ug/L	21.901		25.000	1.000 U	88	%	65-115	
Isopropylbenzene	ug/L	24.617		25.000	1.000 U	98	%	64-119	
Bromobenzene	ug/L	27.262		25.000	1.000 U	109	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.649		25.000	1.000 U	111	%	61-122	
1,2,3-Trichloropropane	ug/L	26.700		25.000	1.000 U	107	%	62-124	
n-Propylbenzene	ug/L	27.590		25.000	1.139	106	%	69-132	
2-Chlorotoluene	ug/L	27.294		25.000	1.000 U	109	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06C27DSA	245170-2		03/27/2006	2342

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	27.875		25.000	2.477	102	%	70-132	
4-Chlorotoluene	ug/L	27.173		25.000	1.000 U	109	%	70-126	
tert-Butylbenzene	ug/L	27.575		25.000	1.000 U	110	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.737		25.000	8.292	82	%	71-131	
sec-Butylbenzene	ug/L	26.951		25.000	1.000 U	108	%	70-134	
p-Isopropyltoluene	ug/L	25.662		25.000	1.000 U	103	%	66-130	
n-Butylbenzene	ug/L	26.875		25.000	1.000 U	107	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.629		25.000	1.000 U	91	%	57-119	
1,2,3-Trichlorobenzene	ug/L	26.254		25.000	1.000 U	105	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 — Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06C27DSA	245170-8		03/28/2006	0300

Test Method.....: 8260B — Equipment Code....: GCL16 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 176949

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	10.955		25.000	1.000 U	44	%	24-171	
Chloromethane	ug/L	15.965		25.000	1.000 U	64	%	31-182	
Vinyl chloride	ug/L	18.183		25.000	1.000 U	73	%	50-145	
Bromomethane	ug/L	19.497		25.000	1.000 U	78	%	31-188	
Chloroethane	ug/L	20.442		25.000	1.000 U	82	%	58-148	
Trichlorofluoromethane	ug/L	21.971		25.000	1.000 U	88	%	54-142	
1,1-Dichloroethene	ug/L	26.895		25.000	1.000 U	108	%	51-136	
Carbon disulfide	ug/L	25.184		25.000	5.000 U	101	%	21-111	
Acetone	ug/L	36.596		25.000	5.000 U	146	%	14-177	
Methylene chloride	ug/L	26.389		25.000	1.000 U	106	%	64-127	
trans-1,2-Dichloroethene	ug/L	26.886		25.000	1.000 U	108	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.677		25.000	1.000 U	119	%	55-142	
1,1-Dichloroethane	ug/L	26.389		25.000	1.000 U	106	%	70-124	
2,2-Dichloropropane	ug/L	24.520		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	27.316		25.000	1.000 U	109	%	70-125	
2-Butanone (MEK)	ug/L	23.040		25.000	5.000 U	92	%	29-139	
Bromochloromethane	ug/L	24.084		25.000	1.000 U	96	%	57-116	
Chloroform	ug/L	27.178		25.000	1.000 U	109	%	75-122	
1,1,1-Trichloroethane	ug/L	27.583		25.000	1.000 U	110	%	70-127	
1,1-Dichloropropene	ug/L	27.715		25.000	1.000 U	111	%	70-125	
Carbon tetrachloride	ug/L	26.029		25.000	1.000 U	104	%	64-132	
Benzene	ug/L	28.520		25.000	1.000 U	114	%	75-122	
1,2-Dichloroethane	ug/L	25.534		25.000	1.000 U	102	%	67-120	
Trichloroethene	ug/L	25.097		25.000	1.000 U	100	%	70-125	
1,2-Dichloropropane	ug/L	26.094		25.000	1.000 U	104	%	76-116	
Dibromomethane	ug/L	25.303		25.000	1.000 U	101	%	68-116	
Bromodichloromethane	ug/L	27.887		25.000	1.000 U	112	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.480		26.000	1.000 U	90	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	26.464		25.000	5.000 U	106	%	39-137	
Toluene	ug/L	60.426		25.000	1.000 U	242	%	77-120	*
trans-1,3-Dichloropropene	ug/L	21.425		24.000	1.000 U	89	%	68-119	
1,1,2-Trichloroethane	ug/L	28.024		25.000	1.000 U	112	%	63-127	
Tetrachloroethene	ug/L	24.458		25.000	1.000 U	98	%	45-150	
1,3-Dichloropropane	ug/L	26.465		25.000	1.000 U	106	%	72-118	
2-Hexanone	ug/L	24.472		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	23.281		25.000	1.000 U	93	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	27.197		25.000	1.000 U	109	%	62-123	
Chlorobenzene	ug/L	25.274		25.000	1.000 U	101	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.376		25.000	1.000 U	106	%	77-120	
Ethylbenzene	ug/L	34.777		25.000	1.000 U	139	%	75-125	*
m&p-Xylenes	ug/L	81.487		50.000	2.000 U	163	%	75-123	*
o-Xylene	ug/L	40.450		25.000	1.000 U	162	%	76-121	*
Styrene	ug/L	25.326		25.000	1.000 U	101	%	77-128	
Bromoform	ug/L	21.632		25.000	1.000 U	87	%	65-115	
Isopropylbenzene	ug/L	24.322		25.000	1.000 U	97	%	64-119	
Bromobenzene	ug/L	26.488		25.000	1.000 U	106	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.288		25.000	1.000 U	109	%	61-122	
1,2,3-Trichloropropane	ug/L	26.154		25.000	1.000 U	105	%	62-124	
n-Propylbenzene	ug/L	28.596		25.000	1.000 U	114	%	69-132	
2-Chlorotoluene	ug/L	28.716		25.000	1.000 U	115	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06C27DSA	245170-8		03/28/2006	0300

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	30.314		25.000	1.000 U	121	%	70-132	
4-Chlorotoluene	ug/L	26.781		25.000	1.000 U	107	%	70-126	
tert-Butylbenzene	ug/L	26.671		25.000	1.000 U	107	%	70-133	
1,2,4-Trimethylbenzene	ug/L	39.424		25.000	1.000 U	158	%	71-131	*
sec-Butylbenzene	ug/L	26.341		25.000	1.000 U	105	%	70-134	
p-Isopropyltoluene	ug/L	24.887		25.000	1.000 U	100	%	66-130	
n-Butylbenzene	ug/L	26.626		25.000	1.000 U	107	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.753		25.000	1.000 U	91	%	57-119	
1,2,3-Trichlorobenzene	ug/L	26.105		25.000	1.000 U	104	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06C27DSA	245170-2		03/28/2006	0007

Test Method.....: 8260B Equipment Code....: GCL16 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 176949

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.547	12.483	25.000	1.000 U	50	%	24-171	
						0	R	20	
Chloromethane	ug/L	17.818	17.503	25.000	1.000 U	71	%	31-182	
						1	R	20	
Vinyl chloride	ug/L	19.546	19.320	25.000	1.000 U	78	%	50-145	
						1	R	20	
Bromomethane	ug/L	20.662	20.827	25.000	1.000 U	83	%	31-188	
						0	R	20	
Chloroethane	ug/L	20.130	19.803	25.000	1.000 U	81	%	58-148	
						2	R	20	
Trichlorofluoromethane	ug/L	23.351	19.034	25.000	1.000 U	93	%	54-142	
						20	R	20	
1,1-Dichloroethene	ug/L	28.568	27.835	25.000	1.000 U	114	%	51-136	
						3	R	20	
Carbon disulfide	ug/L	26.786	26.039	25.000	5.000 U	107	%	21-111	
						3	R	20	
Acetone	ug/L	44.030	29.950	25.000	13.288	123	%	14-177	
						59	R	20	*
Methylene chloride	ug/L	29.154	28.138	25.000	1.000 U	117	%	64-127	
						3	R	20	
trans-1,2-Dichloroethene	ug/L	24.503	21.993	25.000	1.000 U	98	%	62-138	
						11	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.129	23.033	25.000	1.000 U	113	%	55-142	
						20	R	20	
1,1-Dichloroethane	ug/L	27.730	26.629	25.000	1.000 U	111	%	70-124	
						4	R	20	
2,2-Dichloropropane	ug/L	27.092	26.306	25.000	1.000 U	108	%	68-127	
						3	R	20	
cis-1,2-Dichloroethene	ug/L	28.782	28.117	25.000	1.000 U	115	%	70-125	
						3	R	20	
2-Butanone (MEK)	ug/L	23.860	23.073	25.000	5.000 U	95	%	29-139	
						3	R	20	
Bromochloromethane	ug/L	24.521	24.178	25.000	1.000 U	98	%	57-116	
						1	R	20	
Chloroform	ug/L	27.981	27.051	25.000	1.000 U	112	%	75-122	
						4	R	20	
1,1,1-Trichloroethane	ug/L	29.105	27.668	25.000	1.000 U	116	%	70-127	
						4	R	20	
1,1-Dichloropropene	ug/L	29.037	28.173	25.000	1.000 U	116	%	70-125	
						3	R	20	
Carbon tetrachloride	ug/L	27.041	26.181	25.000	1.000 U	108	%	64-132	
						3	R	20	
Benzene	ug/L	31.115	26.266	25.000	2.872	113	%	75-122	
						18	R	20	
1,2-Dichloroethane	ug/L	26.122	25.908	25.000	1.000 U	104	%	67-120	
						0	R	20	
Trichloroethene	ug/L	26.562	26.444	25.000	1.000 U	106	%	70-125	
						0	R	20	
1,2-Dichloropropane	ug/L	26.948	26.509	25.000	1.000 U	108	%	76-116	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	V06C27DSA	245170-2		03/28/2006 0007

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane	ug/L	25.709	25.812	25.000	1.000	U	103	%	68-116	
							0	R	20	
Bromodichloromethane	ug/L	28.892	28.313	25.000	1.000	U	116	%	75-125	
							3	R	20	
cis-1,3-Dichloropropene	ug/L	24.745	24.411	26.000	1.000	U	95	%	72-115	
							1	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	28.137	26.498	25.000	5.000	U	113	%	39-137	
							6	R	20	
Toluene	ug/L	74.049	26.990	25.000	29.134		180	%	77-120	*
							221	R	20	*
trans-1,3-Dichloropropene	ug/L	22.483	21.939	24.000	1.000	U	94	%	68-119	
							3	R	20	
1,1,2-Trichloroethane	ug/L	29.542	27.644	25.000	1.000	U	118	%	63-127	
							6	R	20	
Tetrachloroethene	ug/L	26.056	25.108	25.000	1.000	U	104	%	45-150	
							4	R	20	
1,3-Dichloropropane	ug/L	27.728	27.062	25.000	1.000	U	111	%	72-118	
							3	R	20	
2-Hexanone	ug/L	24.684	24.461	25.000	5.000	U	99	%	36-144	
							1	R	20	
Dibromochloromethane	ug/L	24.274	23.430	25.000	1.000	U	97	%	73-116	
							3	R	20	
1,2-Dibromoethane (EDB)	ug/L	27.368	26.695	25.000	1.000	U	109	%	62-123	
							2	R	20	
Chlorobenzene	ug/L	26.477	25.818	25.000	1.000	U	106	%	76-116	
							3	R	20	
1,1,1,2-Tetrachloroethane	ug/L	28.064	26.898	25.000	1.000	U	112	%	77-120	
							4	R	20	
Ethylbenzene	ug/L	38.552	26.774	25.000	6.336		129	%	75-125	*
							45	R	20	*
m&p-Xylenes	ug/L	90.752	54.490	50.000	21.272		139	%	75-123	*
							71	R	20	*
o-Xylene	ug/L	44.440	27.920	25.000	9.351		140	%	76-121	*
							62	R	20	*
Styrene	ug/L	27.081	25.814	25.000	1.000	U	108	%	77-128	
							5	R	20	
Bromoform	ug/L	22.373	21.901	25.000	1.000	U	89	%	65-115	
							1	R	20	
Isopropylbenzene	ug/L	26.425	24.617	25.000	1.000	U	106	%	64-119	
							8	R	20	
Bromobenzene	ug/L	28.378	27.262	25.000	1.000	U	114	%	76-118	
							4	R	20	
1,1,2,2-Tetrachloroethane	ug/L	28.865	27.649	25.000	1.000	U	115	%	61-122	
							4	R	20	
1,2,3-Trichloropropane	ug/L	27.506	26.700	25.000	1.000	U	110	%	62-124	
							3	R	20	
n-Propylbenzene	ug/L	31.211	27.590	25.000	1.139		120	%	69-132	
							12	R	20	
2-Chlorotoluene	ug/L	31.063	27.294	25.000	1.000	U	124	%	70-127	
							13	R	20	
1,3,5-Trimethylbenzene	ug/L	33.485	27.875	25.000	2.477		124	%	70-132	
							19	R	20	
4-Chlorotoluene	ug/L	28.585	27.173	25.000	1.000	U	114	%	70-126	
							4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245170

QUALITY CONTROL RESULTS

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06C27DSA	245170-2		03/28/2006	0007

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	29.068	27.575	25.000	1.000	U	116	%	70-133	
							5	R	20	
1,2,4-Trimethylbenzene	ug/L	44.558	28.737	25.000	8.292		145	%	71-131	*
							56	R	20	*
sec-Butylbenzene	ug/L	28.696	26.951	25.000	1.000	U	115	%	70-134	
							6	R	20	
p-Isopropyltoluene	ug/L	27.000	25.662	25.000	1.000	U	108	%	66-130	
							5	R	20	
n-Butylbenzene	ug/L	28.955	26.875	25.000	1.000	U	116	%	64-142	
							8	R	20	
1,2-Dibromo-3-chloropropane	ug/L	24.368	22.629	25.000	1.000	U	97	%	57-119	
							6	R	20	
1,2,3-Trichlorobenzene	ug/L	27.733	26.254	25.000	1.000	U	111	%	66-124	
							6	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06C27D5A	245170-8		03/28/2006	0325

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 176949

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.463	10.955	25.000	1.000 U	46	%	24-171	
						4	R	20	
Chloromethane	ug/L	16.971	15.965	25.000	1.000 U	68	%	31-182	
						6	R	20	
Vinyl chloride	ug/L	19.245	18.183	25.000	1.000 U	77	%	50-145	
						5	R	20	
Bromomethane	ug/L	19.964	19.497	25.000	1.000 U	80	%	31-188	
						3	R	20	
Chloroethane	ug/L	20.857	20.442	25.000	1.000 U	83	%	58-148	
						1	R	20	
Trichlorofluoromethane	ug/L	20.956	21.971	25.000	1.000 U	84	%	54-142	
						5	R	20	
1,1-Dichloroethene	ug/L	29.697	26.895	25.000	1.000 U	119	%	51-136	
						10	R	20	
Carbon disulfide	ug/L	27.908	25.184	25.000	5.000 U	112	%	21-111	*
						10	R	20	
Acetone	ug/L	27.804	36.596	25.000	5.000 U	111	%	14-177	
						27	R	20	*
Methylene chloride	ug/L	27.804	26.389	25.000	1.000 U	111	%	64-127	
						5	R	20	
trans-1,2-Dichloroethene	ug/L	25.881	26.886	25.000	1.000 U	104	%	62-138	
						4	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.234	29.677	25.000	1.000 U	109	%	55-142	
						9	R	20	
1,1-Dichloroethane	ug/L	29.048	26.389	25.000	1.000 U	116	%	70-124	
						9	R	20	
2,2-Dichloropropane	ug/L	28.115	24.520	25.000	1.000 U	112	%	68-127	
						13	R	20	
cis-1,2-Dichloroethene	ug/L	30.153	27.316	25.000	1.000 U	121	%	70-125	
						10	R	20	
2-Butanone (MEK)	ug/L	25.546	23.040	25.000	5.000 U	102	%	29-139	
						10	R	20	
Bromochloromethane	ug/L	26.346	24.084	25.000	1.000 U	105	%	57-116	
						9	R	20	
Chloroform	ug/L	29.491	27.178	25.000	1.000 U	118	%	75-122	
						8	R	20	
1,1,1-Trichloroethane	ug/L	30.340	27.583	25.000	1.000 U	121	%	70-127	
						10	R	20	
1,1-Dichloropropene	ug/L	30.286	27.715	25.000	1.000 U	121	%	70-125	
						9	R	20	
Carbon tetrachloride	ug/L	27.821	26.029	25.000	1.000 U	111	%	64-132	
						7	R	20	
Benzene	ug/L	27.074	28.520	25.000	1.000 U	108	%	75-122	
						5	R	20	
1,2-Dichloroethane	ug/L	27.040	25.534	25.000	1.000 U	108	%	67-120	
						6	R	20	
Trichloroethene	ug/L	26.897	25.097	25.000	1.000 U	108	%	70-125	
						8	R	20	
1,2-Dichloropropane	ug/L	27.783	26.094	25.000	1.000 U	111	%	76-116	
						7	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	V06C27DSA	245170-8		03/28/2006 0325

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	27.272	25.303	25.000	1.000 U	109	%	68-116	
						8	R	20	
Bromodichloromethane	ug/L	29.737	27.887	25.000	1.000 U	119	%	75-125	
						6	R	20	
cis-1,3-Dichloropropene	ug/L	25.027	23.480	26.000	1.000 U	96	%	72-115	
						6	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	28.281	26.464	25.000	5.000 U	113	%	39-137	
						6	R	20	
Toluene	ug/L	27.314	60.426	25.000	1.000 U	109	%	77-120	
						76	R	20	*
trans-1,3-Dichloropropene	ug/L	22.737	21.425	24.000	1.000 U	95	%	68-119	
						7	R	20	
1,1,2-Trichloroethane	ug/L	30.384	28.024	25.000	1.000 U	122	%	63-127	
						9	R	20	
Tetrachloroethene	ug/L	25.750	24.458	25.000	1.000 U	103	%	45-150	
						5	R	20	
1,3-Dichloropropane	ug/L	28.705	26.465	25.000	1.000 U	115	%	72-118	
						8	R	20	
2-Hexanone	ug/L	25.417	24.472	25.000	5.000 U	102	%	36-144	
						4	R	20	
Dibromochloromethane	ug/L	25.280	23.281	25.000	1.000 U	101	%	73-116	
						8	R	20	
1,2-Dibromoethane (EDB)	ug/L	28.867	27.197	25.000	1.000 U	115	%	62-123	
						5	R	20	
Chlorobenzene	ug/L	26.852	25.274	25.000	1.000 U	107	%	76-116	
						6	R	20	
1,1,1,2-Tetrachloroethane	ug/L	28.848	26.376	25.000	1.000 U	115	%	77-120	
						8	R	20	
Ethylbenzene	ug/L	27.323	34.777	25.000	1.000 U	109	%	75-125	
						24	R	20	*
m&p-Xylenes	ug/L	55.351	81.487	50.000	2.000 U	111	%	75-123	
						38	R	20	*
o-Xylene	ug/L	28.194	40.450	25.000	1.000 U	113	%	76-121	
						36	R	20	*
Styrene	ug/L	26.518	25.326	25.000	1.000 U	106	%	77-128	
						5	R	20	
Bromoform	ug/L	23.699	21.632	25.000	1.000 U	95	%	65-115	
						9	R	20	
Isopropylbenzene	ug/L	25.166	24.322	25.000	1.000 U	101	%	64-119	
						4	R	20	
Bromobenzene	ug/L	28.562	26.488	25.000	1.000 U	114	%	76-118	
						7	R	20	
1,1,2,2-Tetrachloroethane	ug/L	29.802	27.288	25.000	1.000 U	119	%	61-122	
						9	R	20	
1,2,3-Trichloropropane	ug/L	28.792	26.154	25.000	1.000 U	115	%	62-124	
						9	R	20	
n-Propylbenzene	ug/L	28.241	28.596	25.000	1.000 U	113	%	69-132	
						1	R	20	
2-Chlorotoluene	ug/L	28.354	28.716	25.000	1.000 U	113	%	70-127	
						2	R	20	
1,3,5-Trimethylbenzene	ug/L	28.413	30.314	25.000	1.000 U	114	%	70-132	
						6	R	20	
4-Chlorotoluene	ug/L	27.624	26.781	25.000	1.000 U	110	%	70-126	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 245170

QUALITY CONTROL RESULTS

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06C27DSA	245170-8		03/28/2006	0325

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.075	26.671	25.000	1.000	U	112	%	70-133	
							5	R	20	
1,2,4-Trimethylbenzene	ug/L	28.854	39.424	25.000	1.000	U	115	%	71-131	
							32	R	20	*
sec-Butylbenzene	ug/L	27.577	26.341	25.000	1.000	U	110	%	70-134	
							5	R	20	
p-Isopropyltoluene	ug/L	25.842	24.887	25.000	1.000	U	103	%	66-130	
							3	R	20	
n-Butylbenzene	ug/L	26.514	26.626	25.000	1.000	U	106	%	64-142	
							1	R	20	
1,2-Dibromo-3-chloropropane	ug/L	24.414	22.753	25.000	1.000	U	98	%	57-119	
							7	R	20	
1,2,3-Trichlorobenzene	ug/L	26.504	26.105	25.000	1.000	U	106	%	66-124	
							2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C28DSA	177042-002		03/28/2006	1517

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 177048

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	8.645		25.000	1.000 U	35	%	24-171	
Chloromethane	ug/L	14.628		25.000	1.000 U	59	%	31-182	
Vinyl chloride	ug/L	17.940		25.000	1.000 U	72	%	50-145	
Bromomethane	ug/L	21.447		25.000	1.000 U	86	%	31-188	
Chloroethane	ug/L	21.366		25.000	1.000 U	85	%	58-148	
Trichlorofluoromethane	ug/L	21.647		25.000	1.000 U	87	%	54-142	
1,1-Dichloroethene	ug/L	23.785		25.000	1.000 U	95	%	51-136	
Carbon disulfide	ug/L	24.131		25.000	5.000 U	97	%	21-111	
Acetone	ug/L	29.477		25.000	5.000 U	118	%	14-177	
Methylene chloride	ug/L	21.998		25.000	1.000 U	88	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.837		25.000	1.000 U	91	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	22.611		25.000	1.000 U	90	%	55-142	
1,1-Dichloroethane	ug/L	23.179		25.000	1.000 U	93	%	70-124	
2,2-Dichloropropane	ug/L	24.570		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.697		25.000	1.000 U	95	%	70-125	
2-Butanone (MEK)	ug/L	22.462		25.000	5.000 U	90	%	29-139	
Bromochloromethane	ug/L	23.442		25.000	1.000 U	94	%	57-116	
Chloroform	ug/L	23.575		25.000	1.000 U	94	%	75-122	
1,1,1-Trichloroethane	ug/L	24.640		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	23.142		25.000	1.000 U	93	%	70-125	
Carbon tetrachloride	ug/L	24.896		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	23.620		25.000	1.000 U	94	%	75-122	
1,2-Dichloroethane	ug/L	23.673		25.000	1.000 U	95	%	67-120	
Trichloroethene	ug/L	23.631		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	23.344		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	23.320		25.000	1.000 U	93	%	68-116	
Bromodichloromethane	ug/L	26.414		25.000	1.000 U	106	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.116		26.000	1.000 U	97	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.778		25.000	5.000 U	103	%	39-137	
Toluene	ug/L	23.663		25.000	1.000 U	95	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.811		24.000	1.000 U	108	%	68-119	
1,1,2-Trichloroethane	ug/L	23.386		25.000	1.000 U	94	%	63-127	
Tetrachloroethene	ug/L	22.473		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	23.266		25.000	1.000 U	93	%	72-118	
2-Hexanone	ug/L	24.514		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	21.261		25.000	1.000 U	85	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	26.252		25.000	1.000 U	105	%	62-123	
Chlorobenzene	ug/L	23.624		25.000	1.000 U	94	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	21.336		25.000	1.000 U	85	%	77-120	
Ethylbenzene	ug/L	23.159		25.000	1.000 U	93	%	75-125	
m&p-Xylenes	ug/L	47.527		50.000	2.000 U	95	%	75-123	
o-Xylene	ug/L	23.508		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	23.437		25.000	1.000 U	94	%	77-128	
Bromoform	ug/L	21.426		25.000	1.000 U	86	%	65-115	
Isopropylbenzene	ug/L	22.209		25.000	1.000 U	89	%	64-119	
Bromobenzene	ug/L	24.426		25.000	1.000 U	98	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.734		25.000	1.000 U	99	%	61-122	
1,2,3-Trichloropropane	ug/L	23.898		25.000	1.000 U	96	%	62-124	
n-Propylbenzene	ug/L	24.889		25.000	1.000 U	100	%	69-132	
2-Chlorotoluene	ug/L	24.889		25.000	1.000 U	100	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C28DSA	177042-002		03/28/2006	1517

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.807		25.000	1.000 U	99	%	70-132	
4-Chlorotoluene	ug/L	24.152		25.000	1.000 U	97	%	70-126	
tert-Butylbenzene	ug/L	24.708		25.000	1.000 U	99	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.284		25.000	1.000 U	97	%	71-131	
sec-Butylbenzene	ug/L	23.911		25.000	1.000 U	96	%	70-134	
p-Isopropyltoluene	ug/L	23.036		25.000	1.000 U	92	%	66-130	
n-Butylbenzene	ug/L	23.256		25.000	1.000 U	93	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.025		25.000	1.000 U	88	%	57-119	
1,2,3-Trichlorobenzene	ug/L	21.447		25.000	1.000 U	86	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		177042-001		03/28/2006	1455

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 177048
Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		177042-001		03/28/2006	1455

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U						
4-Chlorotoluene	ug/L	1.000	U						
tert-Butylbenzene	ug/L	1.000	U						
1,2,4-Trimethylbenzene	ug/L	1.000	U						
sec-Butylbenzene	ug/L	1.000	U						
p-Isopropyltoluene	ug/L	1.000	U						
n-Butylbenzene	ug/L	1.000	U						
1,2-Dibromo-3-chloropropane	ug/L	1.000	U						
1,2,3-Trichlorobenzene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06D03DSA	177472-002		04/03/2006	1412

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 177485

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	17.977		25.000	1.000 U	72	%	24-171	
Chloromethane	ug/L	20.673		25.000	1.000 U	83	%	31-182	
Vinyl chloride	ug/L	21.450		25.000	1.000 U	86	%	50-145	
Bromomethane	ug/L	23.023		25.000	1.000 U	92	%	31-188	
Chloroethane	ug/L	21.180		25.000	1.000 U	85	%	58-148	
Trichlorofluoromethane	ug/L	27.346		25.000	1.000 U	109	%	54-142	
1,1-Dichloroethene	ug/L	25.476		25.000	1.000 U	102	%	51-136	
Carbon disulfide	ug/L	22.962		25.000	5.000 U	92	%	21-111	
Acetone	ug/L	32.962		25.000	5.000 U	132	%	14-177	
Methylene chloride	ug/L	23.739		25.000	1.000 U	95	%	64-127	
trans-1,2-Dichloroethene	ug/L	19.857		25.000	1.000 U	79	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	21.564		25.000	1.000 U	86	%	55-142	
1,1-Dichloroethane	ug/L	25.104		25.000	1.000 U	100	%	70-124	
2,2-Dichloropropane	ug/L	26.884		25.000	1.000 U	108	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.961		25.000	1.000 U	104	%	70-125	
2-Butanone (MEK)	ug/L	25.616		25.000	5.000 U	102	%	29-139	
Bromochloromethane	ug/L	25.395		25.000	1.000 U	102	%	57-116	
Chloroform	ug/L	26.270		25.000	1.000 U	105	%	75-122	
1,1,1-Trichloroethane	ug/L	27.320		25.000	1.000 U	109	%	70-127	
1,1-Dichloropropene	ug/L	26.630		25.000	1.000 U	107	%	70-125	
Carbon tetrachloride	ug/L	26.667		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	24.634		25.000	1.000 U	99	%	75-122	
1,2-Dichloroethane	ug/L	25.439		25.000	1.000 U	102	%	67-120	
Trichloroethene	ug/L	25.212		25.000	1.000 U	101	%	70-125	
1,2-Dichloropropane	ug/L	24.894		25.000	1.000 U	100	%	76-116	
Dibromomethane	ug/L	25.206		25.000	1.000 U	101	%	68-116	
Bromodichloromethane	ug/L	28.047		25.000	1.000 U	112	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.822		26.000	1.000 U	92	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.351		25.000	5.000 U	101	%	39-137	
Toluene	ug/L	25.318		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.192		24.000	1.000 U	92	%	68-119	
1,1,2-Trichloroethane	ug/L	27.909		25.000	1.000 U	112	%	63-127	
Tetrachloroethene	ug/L	26.052		25.000	1.000 U	104	%	45-150	
1,3-Dichloropropane	ug/L	27.078		25.000	1.000 U	108	%	72-118	
2-Hexanone	ug/L	23.816		25.000	5.000 U	95	%	36-144	
Dibromochloromethane	ug/L	24.890		25.000	1.000 U	100	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	27.279		25.000	1.000 U	109	%	62-123	
Chlorobenzene	ug/L	26.011		25.000	1.000 U	104	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.410		25.000	1.000 U	110	%	77-120	
Ethylbenzene	ug/L	26.606		25.000	1.000 U	106	%	75-125	
m&p-Xylenes	ug/L	54.243		50.000	2.000 U	108	%	75-123	
o-Xylene	ug/L	27.281		25.000	1.000 U	109	%	76-121	
Styrene	ug/L	25.484		25.000	1.000 U	102	%	77-128	
Bromoform	ug/L	23.969		25.000	1.000 U	96	%	65-115	
Isopropylbenzene	ug/L	23.340		25.000	1.000 U	93	%	64-119	
Bromobenzene	ug/L	25.770		25.000	1.000 U	103	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.311		25.000	1.000 U	109	%	61-122	
1,2,3-Trichloropropane	ug/L	26.493		25.000	1.000 U	106	%	62-124	
n-Propylbenzene	ug/L	26.634		25.000	1.000 U	107	%	69-132	
2-Chlorotoluene	ug/L	26.442		25.000	1.000 U	106	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06D03DSA	177472-002		04/03/2006	1412

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	26.875		25.000	1.000 U	107	%	70-132	
4-Chlorotoluene	ug/L	26.060		25.000	1.000 U	104	%	70-126	
tert-Butylbenzene	ug/L	26.901		25.000	1.000 U	108	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.950		25.000	1.000 U	108	%	71-131	
sec-Butylbenzene	ug/L	26.618		25.000	1.000 U	106	%	70-134	
p-Isopropyltoluene	ug/L	25.138		25.000	1.000 U	101	%	66-130	
n-Butylbenzene	ug/L	26.218		25.000	1.000 U	105	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.622		25.000	1.000 U	90	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.141		25.000	1.000 U	101	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		177472-001		04/03/2006	1346

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 177485

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		177472-001		04/03/2006	1346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U						
4-Chlorotoluene	ug/L	1.000	U						
tert-Butylbenzene	ug/L	1.000	U						
1,2,4-Trimethylbenzene	ug/L	1.000	U						
sec-Butylbenzene	ug/L	1.000	U						
p-Isopropyltoluene	ug/L	1.000	U						
n-Butylbenzene	ug/L	1.000	U						
1,2-Dibromo-3-chloropropane	ug/L	1.000	U						
1,2,3-Trichlorobenzene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V060D3DSA	245170-2		04/03/2006	2209

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 177485

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	16.948		25.000	1.000 U	68	%	24-171	
Chloromethane	ug/L	19.284		25.000	1.000 U	77	%	31-182	
Vinyl chloride	ug/L	19.480		25.000	1.000 U	78	%	50-145	
Bromomethane	ug/L	60.744		25.000	1.000 U	243	%	31-188	*
Chloroethane	ug/L	28.461		25.000	1.000 U	114	%	58-148	
Trichlorofluoromethane	ug/L	25.615		25.000	1.000 U	102	%	54-142	
1,1-Dichloroethene	ug/L	23.089		25.000	1.000 U	92	%	51-136	
Carbon disulfide	ug/L	21.007		25.000	5.000 U	84	%	21-111	
Acetone	ug/L	25.138		25.000	5.000 U	101	%	14-177	
Methylene chloride	ug/L	22.847		25.000	1.000 U	91	%	64-127	
trans-1,2-Dichloroethene	ug/L	19.707		25.000	1.000 U	79	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	23.702		25.000	1.000 U	95	%	55-142	
1,1-Dichloroethane	ug/L	25.062		25.000	1.000 U	100	%	70-124	
2,2-Dichloropropane	ug/L	25.898		25.000	1.000 U	104	%	68-127	
cis-1,2-Dichloroethene	ug/L	26.076		25.000	1.000 U	104	%	70-125	
2-Butanone (MEK)	ug/L	25.388		25.000	5.000 U	102	%	29-139	
Bromochloromethane	ug/L	25.034		25.000	1.000 U	100	%	57-116	
Chloroform	ug/L	26.961		25.000	1.000 U	108	%	75-122	
1,1,1-Trichloroethane	ug/L	27.764		25.000	1.000 U	111	%	70-127	
1,1-Dichloropropene	ug/L	26.713		25.000	1.000 U	107	%	70-125	
Carbon tetrachloride	ug/L	26.017		25.000	1.000 U	104	%	64-132	
Benzene	ug/L	24.634		25.000	1.000 U	99	%	75-122	
1,2-Dichloroethane	ug/L	26.385		25.000	1.000 U	106	%	67-120	
Trichloroethene	ug/L	25.672		25.000	1.000 U	103	%	70-125	
1,2-Dichloropropane	ug/L	25.805		25.000	1.000 U	103	%	76-116	
Dibromomethane	ug/L	25.919		25.000	1.000 U	104	%	68-116	
Bromodichloromethane	ug/L	28.652		25.000	1.000 U	115	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.757		26.000	1.000 U	91	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	27.097		25.000	5.000 U	108	%	39-137	
Toluene	ug/L	25.012		25.000	1.000 U	100	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.181		24.000	1.000 U	92	%	68-119	
1,1,2-Trichloroethane	ug/L	28.997		25.000	1.000 U	116	%	63-127	
Tetrachloroethene	ug/L	24.225		25.000	1.000 U	97	%	45-150	
1,3-Dichloropropane	ug/L	27.228		25.000	1.000 U	109	%	72-118	
2-Hexanone	ug/L	24.506		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	24.644		25.000	1.000 U	99	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	27.296		25.000	1.000 U	109	%	62-123	
Chlorobenzene	ug/L	25.264		25.000	1.000 U	101	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.402		25.000	1.000 U	110	%	77-120	
Ethylbenzene	ug/L	25.825		25.000	1.000 U	103	%	75-125	
m&p-Xylenes	ug/L	51.771		50.000	2.000 U	104	%	75-123	
o-Xylene	ug/L	26.251		25.000	1.000 U	105	%	76-121	
Styrene	ug/L	24.034		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	22.848		25.000	1.000 U	91	%	65-115	
Isopropylbenzene	ug/L	23.009		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	26.442		25.000	1.000 U	106	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	29.126		25.000	1.000 U	117	%	61-122	
1,2,3-Trichloropropane	ug/L	28.152		25.000	1.000 U	113	%	62-124	
n-Propylbenzene	ug/L	26.081		25.000	1.000 U	104	%	69-132	
2-Chlorotoluene	ug/L	25.747		25.000	1.000 U	103	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06D03DSA	245170-2		04/03/2006	2209

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	26.154		25.000	1.000 U	105	%	70-132	
4-Chlorotoluene	ug/L	25.777		25.000	1.000 U	103	%	70-126	
tert-Butylbenzene	ug/L	25.690		25.000	1.000 U	103	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.616		25.000	1.000 U	106	%	71-131	
sec-Butylbenzene	ug/L	25.156		25.000	1.000 U	101	%	70-134	
p-Isopropyltoluene	ug/L	23.871		25.000	1.000 U	95	%	66-130	
n-Butylbenzene	ug/L	24.723		25.000	1.000 U	99	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.221		25.000	1.000 U	89	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.487		25.000	1.000 U	94	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06D03DSA	245170-2		04/03/2006	2234

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 177485

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	17.495	16.948	25.000	1.000 U	70	%	24-171	
						3	R	20	
Chloromethane	ug/L	19.626	19.284	25.000	1.000 U	79	%	31-182	
						3	R	20	
Vinyl chloride	ug/L	19.903	19.480	25.000	1.000 U	80	%	50-145	
						3	R	20	
Bromomethane	ug/L	63.657	60.744	25.000	1.000 U	255	%	31-188	*
						5	R	20	
Chloroethane	ug/L	29.328	28.461	25.000	1.000 U	117	%	58-148	
						3	R	20	
Trichlorofluoromethane	ug/L	27.926	25.615	25.000	1.000 U	112	%	54-142	
						9	R	20	
1,1-Dichloroethene	ug/L	23.606	23.089	25.000	1.000 U	94	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	21.883	21.007	25.000	5.000 U	88	%	21-111	
						5	R	20	
Acetone	ug/L	27.770	25.138	25.000	5.000 U	111	%	14-177	
						9	R	20	
Methylene chloride	ug/L	23.175	22.847	25.000	1.000 U	93	%	64-127	
						2	R	20	
trans-1,2-Dichloroethene	ug/L	19.996	19.707	25.000	1.000 U	80	%	62-138	
						1	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.495	23.702	25.000	1.000 U	98	%	55-142	
						3	R	20	
1,1-Dichloroethane	ug/L	25.005	25.062	25.000	1.000 U	100	%	70-124	
						0	R	20	
2,2-Dichloropropane	ug/L	26.172	25.898	25.000	1.000 U	105	%	68-127	
						1	R	20	
cis-1,2-Dichloroethene	ug/L	26.250	26.076	25.000	1.000 U	105	%	70-125	
						1	R	20	
2-Butanone (MEK)	ug/L	23.680	25.388	25.000	5.000 U	95	%	29-139	
						7	R	20	
Bromochloromethane	ug/L	26.019	25.034	25.000	1.000 U	104	%	57-116	
						4	R	20	
Chloroform	ug/L	26.947	26.961	25.000	1.000 U	108	%	75-122	
						0	R	20	
1,1,1-Trichloroethane	ug/L	27.832	27.764	25.000	1.000 U	111	%	70-127	
						0	R	20	
1,1-Dichloropropene	ug/L	27.113	26.713	25.000	1.000 U	108	%	70-125	
						1	R	20	
Carbon tetrachloride	ug/L	26.848	26.017	25.000	1.000 U	107	%	64-132	
						3	R	20	
Benzene	ug/L	24.736	24.634	25.000	1.000 U	99	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	26.689	26.385	25.000	1.000 U	107	%	67-120	
						1	R	20	
Trichloroethene	ug/L	25.833	25.672	25.000	1.000 U	103	%	70-125	
						0	R	20	
1,2-Dichloropropane	ug/L	25.986	25.805	25.000	1.000 U	104	%	76-116	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06D03DSA	245170-2		04/03/2006	2234

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	26.310	25.919	25.000	1.000 U	105 1	% R	68-116 20	
Bromodichloromethane	ug/L	29.380	28.652	25.000	1.000 U	118 3	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	24.446	23.757	26.000	1.000 U	94 3	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	27.381	27.097	25.000	5.000 U	110 2	% R	39-137 20	
Toluene	ug/L	25.538	25.012	25.000	1.000 U	102 2	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	22.715	22.181	24.000	1.000 U	95 3	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	29.540	28.997	25.000	1.000 U	118 2	% R	63-127 20	
Tetrachloroethene	ug/L	24.715	24.225	25.000	1.000 U	99 2	% R	45-150 20	
1,3-Dichloropropane	ug/L	27.812	27.228	25.000	1.000 U	111 2	% R	72-118 20	
2-Hexanone	ug/L	24.818	24.506	25.000	5.000 U	99 1	% R	36-144 20	
Dibromochloromethane	ug/L	25.231	24.644	25.000	1.000 U	101 2	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	27.898	27.296	25.000	1.000 U	112 3	% R	62-123 20	
Chlorobenzene	ug/L	25.302	25.264	25.000	1.000 U	101 0	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	27.999	27.402	25.000	1.000 U	112 2	% R	77-120 20	
Ethylbenzene	ug/L	26.137	25.825	25.000	1.000 U	105 2	% R	75-125 20	
m&p-Xylenes	ug/L	52.551	51.771	50.000	2.000 U	105 1	% R	75-123 20	
o-Xylene	ug/L	26.466	26.251	25.000	1.000 U	106 1	% R	76-121 20	
Styrene	ug/L	25.033	24.034	25.000	1.000 U	100 4	% R	77-128 20	
Bromoform	ug/L	23.411	22.848	25.000	1.000 U	94 3	% R	65-115 20	
Isopropylbenzene	ug/L	23.468	23.009	25.000	1.000 U	94 2	% R	64-119 20	
Bromobenzene	ug/L	26.558	26.442	25.000	1.000 U	106 0	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	29.345	29.126	25.000	1.000 U	117 0	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	27.126	28.152	25.000	1.000 U	109 4	% R	62-124 20	
n-Propylbenzene	ug/L	26.712	26.081	25.000	1.000 U	107 3	% R	69-132 20	
2-Chlorotoluene	ug/L	26.097	25.747	25.000	1.000 U	104 1	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	26.752	26.154	25.000	1.000 U	107 2	% R	70-132 20	
4-Chlorotoluene	ug/L	26.412	25.777	25.000	1.000 U	106 3	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06D03DSA	245170-2		04/03/2006	2234

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	26.468	25.690	25.000	1.000	U	106	%	70-133	
							3	R	20	
1,2,4-Trimethylbenzene	ug/L	27.263	26.616	25.000	1.000	U	109	%	71-131	
							3	R	20	
sec-Butylbenzene	ug/L	25.936	25.156	25.000	1.000	U	104	%	70-134	
							3	R	20	
p-Isopropyltoluene	ug/L	24.687	23.871	25.000	1.000	U	99	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	25.696	24.723	25.000	1.000	U	103	%	64-142	
							4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	23.337	22.221	25.000	1.000	U	93	%	57-119	
							4	R	20	
1,2,3-Trichlorobenzene	ug/L	24.812	23.487	25.000	1.000	U	99	%	66-124	
							5	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M06CSPK002	176560-002		03/23/2006	1818

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 176671

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	1.74482		2.00000	0.03057 B	87	%	80-120	
Calcium	mg/L	8.90186		10.00000	0.11840	89	%	80-120	
Iron	mg/L	0.86687		1.00000	0.03390 U	87	%	80-120	
Manganese	mg/L	0.44912		0.50000	0.00073 B	90	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	176560	176560-001		03/23/2006	1812

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 176671
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.03057 B							
Calcium	mg/L	0.11840							H
Iron	mg/L	0.03390 U							
Manganese	mg/L	0.00073 B							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 176671

Analyst...: tds

MD	Method Duplicate		245170-2		03/23/2006	1843

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.82036			0.75197	0.06839	A	0.20000	
Calcium	mg/L	56.24591			55.07407	2.1	R	20.0	
Iron	mg/L	5.91099			5.77458	2.3	R	20.0	
Manganese	mg/L	0.13904			0.13677	1.6	R	20.0	

MD	Method Duplicate		245170-8		03/23/2006	1956

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	3.67589			3.39821	7.9	R	20.0	
Calcium	mg/L	11.31374			10.76207	5.0	R	20.0	
Iron	mg/L	4.27984			4.01982	6.3	R	20.0	
Manganese	mg/L	0.08496			0.08115	4.6	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 176671

Analyst...: tds

MS	Matrix Spike	M06CSPK002	245170-2		03/23/2006 1849

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	3.23144		2.00000	0.75197	124	%	75-125	
Calcium	mg/L	64.76047		10.00000	55.07407	97	%	75-125	4
Iron	mg/L	6.77318		1.00000	5.77458	100	%	75-125	4
Manganese	mg/L	0.62314		0.50000	0.13677	97	%	75-125	

MS	Matrix Spike	M06CSPK002	245170-8		03/23/2006 2002

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	10.03262		2.00000	3.39821	332	%	75-125	N
Calcium	mg/L	20.71488		10.00000	10.76207	100	%	75-125	
Iron	mg/L	5.91914		1.00000	4.01982	190	%	75-125	4
Manganese	mg/L	0.56616		0.50000	0.08115	97	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 176671

Analyst...: tds

MSD	Matrix Spike Duplicate	MO6CSPK002	245170-2		03/23/2006 1855

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	3.23156	3.23144	2.00000	0.75197	124	%	75-125	
						0.0	R	20	
Calcium	mg/L	65.24808	64.76047	10.00000	55.07407	102	%	75-125	4
						5.0	R	20	
Iron	mg/L	6.82397	6.77318	1.00000	5.77458	105	%	75-125	4
						4.9	R	20	
Manganese	mg/L	0.62798	0.62314	0.50000	0.13677	98	%	75-125	
						1.0	R	20	

MSD	Matrix Spike Duplicate	MO6CSPK002	245170-8		03/23/2006 2008

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	9.84204	10.03262	2.00000	3.39821	322	%	75-125	N
						3.1	R	20	
Calcium	mg/L	20.72284	20.71488	10.00000	10.76207	100	%	75-125	
						0.0	R	20	
Iron	mg/L	5.88565	5.91914	1.00000	4.01982	187	%	75-125	4
						1.6	R	20	
Manganese	mg/L	0.56525	0.56616	0.50000	0.08115	97	%	75-125	
						0.0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 176671

Analyst...: tds

SD	Serial Dilution		245170-2		03/23/2006	1836

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.16097 B			0.75197	7.0	D	10.0	
Calcium	mg/L	11.30905			55.07407	2.7	D	10.0	
Iron	mg/L	1.21037			5.77458	4.8	D	10.0	
Manganese	mg/L	0.02822			0.13677	3.2	D	10.0	

SD	Serial Dilution		245170-8		03/23/2006	1950

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	mg/L	0.74638			3.39821	9.8	D	10.0	
Calcium	mg/L	2.27680			10.76207	5.8	D	10.0	
Iron	mg/L	0.84880			4.01982	5.6	D	10.0	
Manganese	mg/L	0.01673			0.08115	3.1	D	10.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 310.1 Batch.....: 176475 Analyst...: nrp
Method Description.: Alkalinity Equipment Code....: PC TITRATE Test Code.: ALK
Parameter.....: Alkalinity, Total as CaCO3

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176467-002		mg/L	1.40000 U								03/21/2006	1849
LCS	176467-003	I05LSTAK2A	mg/L	99.42000		100.00000	1.40000 U	99		%	80-120	03/21/2006	1857
MD	245170-2		mg/L	178.56000			177.30000	0.7		R	20.0	03/21/2006	2157

Test Method.....: 310.1 Batch.....: 176556 Analyst...: rnm
Method Description.: Alkalinity Equipment Code....: PC TITRATE Test Code.: ALK
Parameter.....: Alkalinity, Total as CaCO3

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176556-002		mg/L	2.55000 B								03/22/2006	1240
LCS	176556-003	I05LSTAK2A	mg/L	99.78000		100.00000	2.55000 B	100		%	80-120	03/22/2006	1249
MD	245170-8		mg/L	40.04000			29.38000	30.7	*	R	20.0	03/22/2006	1314

Test Method.....: 300.0 Batch.....: 176879 Analyst...: nrp
Method Description.: Ion Chromatography Analysis Equipment Code....: IC4 Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176879-003		mg/L	0.08000 U								03/23/2006	1427
LCS	176879-004	I06CINIC1E	mg/L	5.05470		5.00000		101		%	90-110	03/23/2006	1441
MB	176879-003		mg/L	0.08000 U								03/23/2006	1905
LCS	176879-004	I06CINIC1E	mg/L	5.13590		5.00000		103		%	90-110	03/23/2006	1919

Test Method.....: 300.0 Batch.....: 176882 Analyst...: nrp
Method Description.: Ion Chromatography Analysis Equipment Code....: IC4 Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176882-003		mg/L	0.08000 U								03/24/2006	1250
LCS	176882-004	I06CINIC1G	mg/L	5.13140		5.00000		103		%	90-110	03/24/2006	1304
MS	245170-2	I06CINIC1G	mg/L	130.93400		500.00000	71.73800	118		%	80-120	03/24/2006	1618
MSD	245170-2	I06CINIC1G	mg/L	130.45200	130.93400	500.00000	71.73800	117		%	80-120	03/24/2006	1632
								0.9		R	20		

Test Method.....: 353.2 Batch.....: 176835 Analyst...: pmf
Method Description.: Nitrogen, NO2, NO3 (Auto Cd Red.) Equipment Code....: AQ2 Test Code.: NO3NO2
Parameter.....: Nitrate + Nitrite as N

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	176835-004		mg/L	0.02500 U								03/27/2006	0824
LCS	176835-005	I06CSTNN2	mg/L	0.98440		1.00000	0.02500 U	98		%	80-120	03/27/2006	0826
MS	245170-2	I06CSTNN2	mg/L	1.05770		1.00000	0.02500 U	106		%	75-125	03/27/2006	0911
MSD	245170-2	I06CSTNN2	mg/L	1.03660	1.05770	1.00000	0.02500 U	104		%	75-125	03/27/2006	0913
								1.9		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170 Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 353.2 Batch.....: 177093 Analyst...: pmf
Method Description.: Nitrogen, NO2, NO3 (Auto Cd Red.) Equipment Code....: AQ2 Test Code.: NO3NO2
Parameter.....: Nitrate + Nitrite as N

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	177093-004		mg/L	0.02500 U								03/29/2006	1125
LCS	177093-005	I06CSTNN2	mg/L	1.00780		1.00000	0.02500 U	101		%	80-120	03/29/2006	1127
MS	245170-8	I06CSTNN2	mg/L	1.00040		1.00000	0.02720 B	100		%	75-125	03/29/2006	1131
MSD	245170-8	I06CSTNN2	mg/L	1.00560	1.00040	1.00000	0.02720 B	101		%	75-125	03/29/2006	1133
								1.0		R	20		

Test Method.....: 365.2 Batch.....: 176676 Analyst...: pmf
Method Description.: Phosphorous, All Forms Equipment Code....: SPEC4 Test Code.: PTOT
Parameter.....: Phosphorous, Total as P

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCS	176676-005	I05JSTPS2	mg/L	0.49700		0.50000	0.01120 U	99		%	80-120	03/24/2006	0759
MB	176676-004		mg/L	0.01120 U								03/24/2006	0759
MSD	245170-2	I05JSTPS2	mg/L	2.52000	2.47500	1.25000	2.14000	152	4	%	75-125	03/24/2006	0802
								12.6		R	20		
MS	245170-2	I05JSTPS2	mg/L	2.47500		1.25000	2.14000	134	4	%	75-125	03/24/2006	0802

Test Method.....: 365.2 Batch.....: 177175 Analyst...: pmf
Method Description.: Phosphorous, All Forms Equipment Code....: SPEC4 Test Code.: PTOT
Parameter.....: Phosphorous, Total as P

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	177175-004		mg/L	0.01120 U								03/30/2006	0956
LCS	177175-005	I05JSTPS2	mg/L	0.49300		0.50000	0.01120 U	99		%	80-120	03/30/2006	0956
MS	245170-8	I05JSTPS2	mg/L	0.54600		0.25000	0.47700	28	N	%	75-125	03/30/2006	0959
MSD	245170-8	I05JSTPS2	mg/L	0.78900	0.54600	0.25000	0.47700	125		%	75-125	03/30/2006	1000
								126.8	*	R	20		

Test Method.....: 415.1 Batch.....: 177002 Analyst...: kd
Method Description.: Organic Carbon Equipment Code.....: TOC3 Test Code.: TOCAV2
Parameter.....: TOC Average Duplicates

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	177002-004		mg/L	0.36000 U								03/28/2006	0920
LCS	177002-005	I06CSTTC2	mg/L	10.42700		10.00000	0.36000 U	104		%	80-120	03/28/2006	0935
MS	245170-2	I06CSTTC2	mg/L	16.54220		10.00000	5.46400	111		%	75-125	03/28/2006	1202
MSD	245170-2	I06CSTTC2	mg/L	16.60210	16.54220	10.00000	5.46400	111		%	75-125	03/28/2006	1211
								0.0		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 245170

Report Date.: 04/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 415.1
Method Description.: Organic Carbon
Parameter.....: TOC Average Duplicates

Batch.....: 177139
Equipment Code....: TOC3

Analyst....: kd
Test Code.: TOCAV2

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	177139-004		mg/L	0.36000 U								03/29/2006	1546
LCS	177139-005	IO6CSTTC2A	mg/L	10.35900		10.00000	0.36000 U	104		%	80-120	03/29/2006	1601
MS	245170-8	IO6CSTTC2A	mg/L	15.51960		10.00000	4.88500	106		%	75-125	03/29/2006	1720
MSD	245170-8	IO6CSTTC2A	mg/L	15.46660	15.51960	10.00000	4.88500	106		%	75-125	03/29/2006	1728
								0.0		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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Report To:
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Company: HGL
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Fax: 518-877-0414
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Lab Lot# 245170

Package Sealed (Yes) No	Samples Sealed Yes (No)
Received on Ice (Yes) No	Samples Intact (Yes) No
Temperature °C of Cooler: (2.7) (3.0) (2.5)	
Within Hold Time (Yes) No	Preserv. Indicated (Yes) No NA
pH Check OK (Yes) No NA	Res Cl_2 Check OK Yes No (NA)
Sample Labels and COC Agree (Yes) No	COC not present

Sampler Name: M. Jackson
Signature:
Project Name: MCA Barracks
Project Number: OMA039-001
Project Location: Hunter AAF - Savannah GA
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Mackey

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	LSI 1735(CO3)	RSI 175 (methane)	TOC 415.1	E310.1 Alkalinity	Total Metals (Fe, Mn, Ca, Mg)	E325.2 Anions SO4 only NO3, NO2 by 353.2 + 365.3		Additional Analyses / Remarks
1		EB031506	3-15-06	1900	W	G		3	40ml	1	X								
2	X	MCA-GW HGL-3B-0306	3/16/06	0910				3	40ml	1	X	X	X	X	X	X	X	X	MCA-GW HGL 3B MS - 0906 MCA-GW HGL 3B MSD - 0906
3		MCA-GW HGL-3C-0306		1050				3	40ml	1	X	X	X	X	X	X	X	X	
4		MCA-GW HGL-8B-0306		1300				3	40ml	1	X	X	X	X	X	X	X	X	
5		MCA-GW HGL-8C-0306		1445				3	40ml	1	X	X	X	X	X	X	X	X	
6		EB031606		1900				1	40ml	1	X								
7		MCA-GW Dup 202-0306						1	40ml	1	X								
8		MCA-GW HGL-4B-0306	3-16-06	0950				3	40ml	1	X	X	X	X	X	X	X	X	
9		MCA-GW HGL-4C-0306		1125				3	40ml	1	X	X	X	X	X	X	X	X	
10		MCA-GW HGL-6B-0306		1340				3	40ml	1	X	X	X	X	X	X	X	X	
11		MCA-GW HGL-6C-0306		1535				3	40ml	1	X	X	X	X	X	X	X	X	
12		MCA-GW ~~Dup~~ 203-0306		0957				1	40ml	1	X								MCA MT

RELINQUISHED BY		COMPANY HGL	DATE 3-17-06	TIME 1820	RECEIVED BY		COMPANY SR	DATE 3/18/06	TIME 0900
RELINQUISHED BY		COMPANY	DATE	TIME	RECEIVED BY		COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
E300: Sulfate only

Date Received 3/18/06
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: AGL
Address: NORTHWAY 10 EXECUTIVE PARK
313 U.S. Rte 9 Ballston Lake, NY 12019
Phone: 518-877-6390
Fax: 518-877-6414
E-Mail: eevans

Bill To:
Contact: ↑
Company:
Address: Same
Phone: ↓
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 245170

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check OK Yes No NA	Res. Cl_2 Check OK Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Sampler Name: M. Stackson
Signature:
Project Name: MCA Barracks
Project Number: OMA009-001
Project Location: Hunter AAF – Savannah, GA
Lab PM: Linda Mackey
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCS 8260B	VOCS 8260B	Refrg #	# / Cont.	Volume	Preserv	Additional Analyses / Remarks
										3	2		
										40ml	40ml		
										HCl	HCl		
13		EB031706	3-17-06	1630	W	G	X						
14		TB031706	↓	1700				X					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	AGL	3-17-06	1820		SE	3/18/06	0900
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 3 / 18 / 06
Courier: FX Hand Delivered ☐
Bill of Lading

Note Number : 100030 JOB
Date : 3/18/2006
Author : jtl
Subject : SDR

Project Code....:

Location Code...: 57222
Job/Sales Order.: 245170 OMA009-001

Customer.....: HYDROGEOLO HydroGeoLogic, Inc.
Contact Location: LATHAM NY Latham, NY
Contact.....: EVANS E Eric Evans

Invoice.....:

Batch.....:

Note For.....:

REC'D EXTRA VIALS FOR SAMPLE 4B THAT SAY MS/MSD. NOT MARKED ON COC. FOR THE MS/MSD'S ONLY REC'D EXTRA VOLUME FOR THE VOC'S.

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 244449

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 03/07/2006

Linda S Mackley
Signature

3-7-06
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (59) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 244449
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. All Method Blanks and Extraction Blanks had all analytes undetected.

3. All LCS/LCD (Laboratory Control/ Duplicate Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample 2 of this sample set. All five controlled compounds had spike recoveries within QC limits.

5. The LCD (prep 174321) had one surrogate above the QC limit. All other volatile samples had surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil samples were prepared in water using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. The soil samples were analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

Gary Rynkar
GC/MS Section Manager

3/7/16
Date

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S A M P L E I N F O R M A T I O N
Date: 03/07/2006

Job Number.: 244449
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
244449-1	MCA-SD007-0206	Soil	02/20/2006	09:30	02/21/2006	10:10
244449-2	MCA-SD009-0206	Soil	02/20/2006	10:30	02/21/2006	10:10
244449-3	MCA-SD008-0206	Soil	02/20/2006	10:00	02/21/2006	10:10
244449-4	MCA-SDDUP101-0206	Soil	02/20/2006	09:00	02/21/2006	10:10
244449-5	TB022006	Water	02/20/2006	17:00	02/21/2006	10:10
244449-6	EB022006	Water	02/20/2006	16:30	02/21/2006	10:10

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LABORATORY TEST RESULTS

Job Number: 244449

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD007-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-1
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	74.4			0.10	0.10	1	%	173993		02/23/06 1316	tds
	% Moisture, Solid	25.6			0.10	0.10	1	%	173993		02/23/06 1316	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.0	U		1.1	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Chloromethane, Solid*	6.0	U		1.6	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Vinyl chloride, Solid*	6.0	U		0.94	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Bromomethane, Solid*	6.0	U	*	3.7	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Chloroethane, Solid*	6.0	U		3.7	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Trichlorofluoromethane, Solid*	6.0	U		1.8	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1-Dichloroethene, Solid*	6.0	U		1.6	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Carbon disulfide, Solid*	6.0	U		1.2	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Acetone, Solid*	6.5			5.2	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Methylene chloride, Solid*	6.0	U		1.9	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	trans-1,2-Dichloroethene, Solid*	6.0	U		0.93	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.0	U		0.66	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1-Dichloroethane, Solid*	6.0	U		0.71	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	2,2-Dichloropropane, Solid*	6.0	U		1.7	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	cis-1,2-Dichloroethene, Solid*	6.0	U		0.68	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	2-Butanone (MEK), Solid*	6.0	U		2.7	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Bromochloromethane, Solid*	6.0	U		0.91	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Chloroform, Solid*	6.0	U		0.82	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1,1-Trichloroethane, Solid*	6.0	U		0.87	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1-Dichloropropene, Solid*	6.0	U		0.87	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Carbon tetrachloride, Solid*	6.0	U		0.88	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Benzene, Solid*	6.0	U		0.83	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,2-Dichloroethane, Solid*	6.0	U		0.66	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Trichloroethene, Solid*	6.0	U		0.80	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD007-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-1
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.0	U		0.66	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Dibromomethane, Solid*	6.0	U		0.97	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Bromodichloromethane, Solid*	6.0	U		0.69	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	cis-1,3-Dichloropropene, Solid*	6.0	U		0.70	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.0	U		0.87	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Toluene, Solid*	6.0	U		2.1	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	trans-1,3-Dichloropropene, Solid*	6.0	U		0.73	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1,2-Trichloroethane, Solid*	6.0	U		0.99	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Tetrachloroethene, Solid*	6.0	U		1.1	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,3-Dichloropropane, Solid*	6.0	U		0.74	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	2-Hexanone, Solid*	6.0	U		1.5	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Dibromochloromethane, Solid*	6.0	U		0.79	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,2-Dibromoethane (EDB), Solid*	6.0	U		0.77	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Chlorobenzene, Solid*	6.0	U		0.68	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.0	U		0.73	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Ethylbenzene, Solid*	6.0	U		0.77	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	174538		02/28/06 1251	ges
	o-Xylene, Solid*	6.0	U		0.75	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Styrene, Solid*	6.0	U		0.75	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Bromoform, Solid*	6.0	U		0.89	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Isopropylbenzene, Solid*	6.0	U		0.82	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	Bromobenzene, Solid*	6.0	U		0.59	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.0	U		0.86	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,2,3-Trichloropropane, Solid*	6.0	U		1.5	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	n-Propylbenzene, Solid*	6.0	U		0.89	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	2-Chlorotoluene, Solid*	6.0	U		0.80	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,3,5-Trimethylbenzene, Solid*	6.0	U		0.98	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	4-Chlorotoluene, Solid*	6.0	U		0.83	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	tert-Butylbenzene, Solid*	6.0	U		0.94	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD007-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-1
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.0	U		1.0	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	sec-Butylbenzene, Solid*	6.0	U		1.0	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	p-Isopropyltoluene, Solid*	6.0	U		0.99	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	n-Butylbenzene, Solid*	6.0	U		1.3	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,2-Dichlorobenzene, Solid*	6.0	U		0.87	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.0	U		1.8	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges
	1,2,3-Trichlorobenzene, Solid*	6.0	U		1.3	6.0	1.00000	ug/Kg	174538		02/28/06 1251	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD009-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 10:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-2
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	60.3			0.10	0.10	1	%	173993		02/23/06 1318	tds
	% Moisture, Solid	39.7			0.10	0.10	1	%	173993		02/23/06 1318	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	7.6	U		1.5	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Chloromethane, Solid*	7.6	U		2.0	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Vinyl chloride, Solid*	7.6	U		1.2	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Bromomethane, Solid*	7.6	U	*	4.7	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Chloroethane, Solid*	7.6	U		4.7	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Trichlorofluoromethane, Solid*	7.6	U		2.3	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1-Dichloroethene, Solid*	7.6	U		2.0	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Carbon disulfide, Solid*	7.6	U		1.5	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Acetone, Solid*	22			6.6	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Methylene chloride, Solid*	7.6	U		2.4	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	trans-1,2-Dichloroethene, Solid*	7.6	U		1.2	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.6	U		0.84	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1-Dichloroethane, Solid*	7.6	U		0.90	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	2,2-Dichloropropane, Solid*	7.6	U		2.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	cis-1,2-Dichloroethene, Solid*	7.6	U		0.86	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	2-Butanone (MEK), Solid*	6.6	J	a	3.4	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Bromochloromethane, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Chloroform, Solid*	7.6	U		1.0	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1,1-Trichloroethane, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1-Dichloropropene, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Carbon tetrachloride, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Benzene, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,2-Dichloroethane, Solid*	7.6	U		0.84	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Trichloroethene, Solid*	7.6	U		1.0	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD009-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 10:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-2
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.6	U		0.84	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Dibromomethane, Solid*	7.6	U		1.2	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Bromodichloromethane, Solid*	7.6	U		0.87	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	cis-1,3-Dichloropropene, Solid*	7.6	U		0.89	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Toluene, Solid*	7.6	U		2.6	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	trans-1,3-Dichloropropene, Solid*	7.6	U		0.92	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1,2-Trichloroethane, Solid*	7.6	U		1.3	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Tetrachloroethene, Solid*	7.6	U		1.4	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,3-Dichloropropane, Solid*	7.6	U		0.93	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	2-Hexanone, Solid*	7.6	U		1.8	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Dibromochloromethane, Solid*	7.6	U		0.99	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,2-Dibromoethane (EDB), Solid*	7.6	U		0.98	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Chlorobenzene, Solid*	7.6	U		0.86	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.6	U		0.92	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Ethylbenzene, Solid*	7.6	U		0.98	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	m&p-Xylenes, Solid*	15	U		1.8	15	1.00000	ug/Kg	174538		02/28/06 1315	ges
	o-Xylene, Solid*	7.6	U		0.95	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Styrene, Solid*	7.6	U		0.95	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Bromoform, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Isopropylbenzene, Solid*	7.6	U		1.0	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	Bromobenzene, Solid*	7.6	U		0.75	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,2,3-Trichloropropane, Solid*	7.6	U		1.8	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	n-Propylbenzene, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	2-Chlorotoluene, Solid*	7.6	U		1.0	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,3,5-Trimethylbenzene, Solid*	7.6	U		1.2	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	4-Chlorotoluene, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	tert-Butylbenzene, Solid*	7.6	U		1.2	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD009-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 10:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-2
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.6	U		1.3	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	sec-Butylbenzene, Solid*	7.6	U		1.3	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	p-Isopropyltoluene, Solid*	7.6	U		1.3	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	n-Butylbenzene, Solid*	7.6	U		1.7	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,2-Dichlorobenzene, Solid*	7.6	U		1.1	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.6	U		2.3	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges
	1,2,3-Trichlorobenzene, Solid*	7.6	U		1.7	7.6	1.00000	ug/Kg	174538		02/28/06 1315	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244449

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD008-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-3
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	74.3			0.10	0.10	1	%	173993		02/23/06 1321	tds
	% Moisture, Solid	25.7			0.10	0.10	1	%	173993		02/23/06 1321	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Chloromethane, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Vinyl chloride, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Bromomethane, Solid*	6.2	U		3.8	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Chloroethane, Solid*	6.2	U		3.8	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Trichlorofluoromethane, Solid*	6.2	U		1.9	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1-Dichloroethene, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Carbon disulfide, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Acetone, Solid*	6.2	U		5.3	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Methylene chloride, Solid*	6.2	U		2.0	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	trans-1,2-Dichloroethene, Solid*	6.2	U		0.95	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.2	U		0.68	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1-Dichloroethane, Solid*	6.2	U		0.73	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	2,2-Dichloropropane, Solid*	6.2	U		1.7	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	cis-1,2-Dichloroethene, Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	2-Butanone (MEK), Solid*	6.2	U		2.7	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Bromochloromethane, Solid*	6.2	U		0.93	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Chloroform, Solid*	6.2	U		0.84	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1,1-Trichloroethane, Solid*	6.2	U		0.89	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1-Dichloropropene, Solid*	6.2	U		0.89	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Carbon tetrachloride, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Benzene, Solid*	6.2	U		0.86	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,2-Dichloroethane, Solid*	6.2	U		0.68	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Trichloroethene, Solid*	6.2	U		0.82	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD008-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-3
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.2	U		0.68	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Dibromomethane, Solid*	6.2	U		0.99	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Bromodichloromethane, Solid*	6.2	U		0.71	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	cis-1,3-Dichloropropene, Solid*	6.2	U		0.72	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.2	U		0.89	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Toluene, Solid*	6.2	U		2.1	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	trans-1,3-Dichloropropene, Solid*	6.2	U		0.74	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1,2-Trichloroethane, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Tetrachloroethene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,3-Dichloropropane, Solid*	6.2	U		0.76	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	2-Hexanone, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Dibromochloromethane, Solid*	6.2	U		0.81	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,2-Dibromoethane (EDB), Solid*	6.2	U		0.79	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Chlorobenzene, Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.2	U		0.74	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Ethylbenzene, Solid*	6.2	U		0.79	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	174759		03/02/06 1318	ges
	o-Xylene, Solid*	6.2	U		0.77	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Styrene, Solid*	6.2	U		0.77	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Bromoform, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Isopropylbenzene, Solid*	6.2	U		0.84	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	Bromobenzene, Solid*	6.2	U		0.61	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.2	U		0.88	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,2,3-Trichloropropane, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	n-Propylbenzene, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	2-Chlorotoluene, Solid*	6.2	U		0.82	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,3,5-Trimethylbenzene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	4-Chlorotoluene, Solid*	6.2	U		0.86	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	tert-Butylbenzene, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD008-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-3
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	sec-Butylbenzene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	p-Isopropyltoluene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	n-Butylbenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,2-Dichlorobenzene, Solid*	6.2	U		0.89	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.2	U		1.9	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges
	1,2,3-Trichlorobenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	174759		03/02/06 1318	ges

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 244449 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-4
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	72.3			0.10	0.10	1	%	173993		02/23/06 1322	tds
	% Moisture, Solid	27.7			0.10	0.10	1	%	173993		02/23/06 1322	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.3	U		1.2	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Chloromethane, Solid*	6.3	U		1.6	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Vinyl chloride, Solid*	6.3	U		0.98	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Bromomethane, Solid*	6.3	U	*	3.9	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Chloroethane, Solid*	6.3	U		3.9	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Trichlorofluoromethane, Solid*	6.3	U		1.9	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1-Dichloroethene, Solid*	6.3	U		1.6	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Carbon disulfide, Solid*	6.3	U		1.3	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Acetone, Solid*	10			5.4	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Methylene chloride, Solid*	6.3	U		2.0	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	trans-1,2-Dichloroethene, Solid*	6.3	U		0.96	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.3	U		0.69	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1-Dichloroethane, Solid*	6.3	U		0.74	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	2,2-Dichloropropane, Solid*	6.3	U		1.8	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	cis-1,2-Dichloroethene, Solid*	6.3	U		0.70	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	2-Butanone (MEK), Solid*	4.7	J	a	2.8	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Bromochloromethane, Solid*	6.3	U		0.94	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Chloroform, Solid*	6.3	U		0.85	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1,1-Trichloroethane, Solid*	6.3	U		0.90	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1-Dichloropropene, Solid*	6.3	U		0.90	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Carbon tetrachloride, Solid*	6.3	U		0.91	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Benzene, Solid*	6.3	U		0.86	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,2-Dichloroethane, Solid*	6.3	U		0.69	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Trichloroethene, Solid*	6.3	U		0.83	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-4
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.3	U		0.69	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Dibromomethane, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Bromodichloromethane, Solid*	6.3	U		0.71	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	cis-1,3-Dichloropropene, Solid*	6.3	U		0.73	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.3	U		0.90	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Toluene, Solid*	6.3	U		2.1	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	trans-1,3-Dichloropropene, Solid*	6.3	U		0.75	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1,2-Trichloroethane, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Tetrachloroethene, Solid*	6.3	U		1.1	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,3-Dichloropropane, Solid*	6.3	U		0.76	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	2-Hexanone, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Dibromochloromethane, Solid*	6.3	U		0.81	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,2-Dibromoethane (EDB), Solid*	6.3	U		0.80	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Chlorobenzene, Solid*	6.3	U		0.70	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.3	U		0.75	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Ethylbenzene, Solid*	6.3	U		0.80	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	m&p-Xylenes, Solid*	13	U		1.5	13	1.00000	ug/Kg	174538		02/28/06 1457	ges
	o-Xylene, Solid*	6.3	U		0.78	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Styrene, Solid*	6.3	U		0.78	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Bromoform, Solid*	6.3	U		0.93	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Isopropylbenzene, Solid*	6.3	U		0.85	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	Bromobenzene, Solid*	6.3	U		0.61	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.3	U		0.89	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,2,3-Trichloropropane, Solid*	6.3	U		1.5	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	n-Propylbenzene, Solid*	6.3	U		0.93	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	2-Chlorotoluene, Solid*	6.3	U		0.83	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,3,5-Trimethylbenzene, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	4-Chlorotoluene, Solid*	6.3	U		0.86	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	tert-Butylbenzene, Solid*	6.3	U		0.98	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-0206
Date Sampled.....: 02/20/2006
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244449-4
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.3	U		1.1	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	sec-Butylbenzene, Solid*	6.3	U		1.1	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	p-Isopropyltoluene, Solid*	6.3	U		1.0	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	n-Butylbenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,2-Dichlorobenzene, Solid*	6.3	U		0.90	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.3	U		1.9	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges
	1,2,3-Trichlorobenzene, Solid*	6.3	U		1.4	6.3	1.00000	ug/Kg	174538		02/28/06 1457	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244449

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB022006
Date Sampled.....: 02/20/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 244449-5
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	174169		02/24/06 0512	djd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB022006
Date Sampled.....: 02/20/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 244449-5
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	174169		02/24/06 0512	djd
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	174169		02/24/06 0512	djd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB022006
Date Sampled.....: 02/20/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 244449-5
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	174169		02/24/06 0512	djd
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	174169		02/24/06 0512	djd

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244449 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB022006
Date Sampled.....: 02/20/2006
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 244449-6
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244449 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB022006
Date Sampled.....: 02/20/2006
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 244449-6
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	2-Hexanone	5.0	U	*	0.99	5.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244449 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB022006
Date Sampled.....: 02/20/2006
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 244449-6
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk
	1,2,3-Trichlorobenzene	1.0	U	*	0.43	1.0	1.00000	ug/L	174966		02/25/06 0311	mjk

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 244449 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 244449-1 Client ID: MCA-SD007-0206 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173993	173993	02/23/2006	1316	
5035	5035 Archon Closed Purge & Trap	1	174512		02/28/2006	1251	
5035	5035 Preservation High (Methanol)	1	173809		02/22/2006	0435	
5035	5035 Preservation Low	1	173808		02/22/2006	0435	
5035	5035 Preservation Low	2	173808		02/22/2006	0436	
Supplies	Bottles and Supplies - Charges	1	174246				
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	174538	173808-174512	02/28/2006	1251	1.00000

Lab ID: 244449-2 Client ID: MCA-SD009-0206 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173993	173993	02/23/2006	1318	
5035	5035 Archon Closed Purge & Trap	1	174512		02/28/2006	1315	
5035	5035 Preservation High (Methanol)	1	173809		02/22/2006	0437	
5035	5035 Preservation Low	1	173808		02/22/2006	0437	
5035	5035 Preservation Low	1	173808		02/22/2006	0438	
5035	5035 Preservation Low	2	173808		02/22/2006	0437	
5035	5035 Preservation Low	2	173808		02/22/2006	0438	
Supplies	Bottles and Supplies - Charges	1	174246				
8260B	Volatile Organics	1	174538	173808-174512	02/28/2006	1315	1.00000

Lab ID: 244449-3 Client ID: MCA-SD008-0206 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173993	173993	02/23/2006	1321	
5035	5035 Archon Closed Purge & Trap	1	174512		02/28/2006	1432	
5035	5035 Archon Closed Purge & Trap	2	174754		03/02/2006	1318	
5035	5035 Preservation High (Methanol)	1	173809		02/22/2006	0442	
5035	5035 Preservation Low	1	173808		02/22/2006	0442	
5035	5035 Preservation Low	1	173808		02/22/2006	0443	
5035	5035 Preservation Low	2	173808		02/22/2006	0442	
5035	5035 Preservation Low	2	173808		02/22/2006	0443	
Supplies	Bottles and Supplies - Charges	1	174246				
8260B	Volatile Organics	1	174759	173808-174754	03/02/2006	1318	1.00000

Lab ID: 244449-4 Client ID: MCA-SDDUP101-0206 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173993	173993	02/23/2006	1322	
5035	5035 Archon Closed Purge & Trap	1	174512		02/28/2006	1457	
5035	5035 Preservation High (Methanol)	1	173809		02/22/2006	0443	
5035	5035 Preservation Low	1	173808		02/22/2006	0443	
5035	5035 Preservation Low	1	173808		02/22/2006	0444	
5035	5035 Preservation Low	2	173808		02/22/2006	0443	
5035	5035 Preservation Low	2	173808		02/22/2006	0444	
Supplies	Bottles and Supplies - Charges	1	174246				
8260B	Volatile Organics	1	174538	173808-174512	02/28/2006	1457	1.00000

Lab ID: 244449-5 Client ID: TB022006 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	174167		02/24/2006	0512	
8260B	Volatile Organics	1	174169	174167	02/24/2006	0512	1.00000

Lab ID: 244449-6 Client ID: EB022006 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	174167		02/24/2006	0536	
5030B	5030 10 mL Purge Prep	2	174321		02/25/2006	0311	

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L A B O R A T O R Y C H R O N I C L E

Job Number: 244449 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 244449-6 Client ID: EB022006 Date Recvd: 02/21/2006 Sample Date: 02/20/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
8260B	Volatile Organics	1	174966	174321	02/25/2006	0311	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 173808
Method Code...: 8260B Batch(s).....: 174538 174759

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB3			02/28/2006	104	105	105	107
244449- 1		MCA-SD007-0206	02/28/2006	100	101	103	106
244449- 2		MCA-SD009-0206	02/28/2006	102	99	106	106
244449- 2	MS	MCA-SD009-0206	02/28/2006	97	93	103	107
244449- 2	MSD	MCA-SD009-0206	02/28/2006	101	101	105	105
244449- 3		MCA-SD008-0206	03/02/2006	102	106	109	108
244449- 4		MCA-SDDUP101-0206	02/28/2006	104	105	106	109

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 174167
Method Code...: 8260B Batch(s).....: 174169

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			02/23/2006	104	118	106	100
MB			02/23/2006	103	114	109	98
244449- 5		TB022006	02/24/2006	109	115	114	102

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 174321
Method Code...: 8260B Batch(s).....: 174966

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			02/25/2006	105	121*	111	102
LCS			02/24/2006	106	118	108	98
MB			02/24/2006	109	115	107	102
244449- 6		EB022006	02/25/2006	111	116	113	102

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

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S U R R O G A T E R E C O V E R I E S R E P O R T

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 174538
Prep Batch..: 174512

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			02/28/2006	99	100	106	106
LCS			02/28/2006	98	102	102	107
MB			02/28/2006	99	105	100	104

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 174759
Prep Batch..: 174754

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			03/02/2006	100	102	105	107
MB			03/02/2006	100	108	104	109

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: djd
Method Description.: Volatile Organics Batch.....: 174169

LCS	Laboratory Control Sample	V06B23DSA	174167-002		02/23/2006	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.692		25.000	1.000 U	103	%	24-171	
Chloromethane	ug/L	35.007		25.000	1.000 U	140	%	31-182	
Vinyl chloride	ug/L	29.761		25.000	1.000 U	119	%	50-145	
Bromomethane	ug/L	22.979		25.000	1.000 U	92	%	31-188	
Chloroethane	ug/L	22.599		25.000	1.000 U	90	%	58-148	
Trichlorofluoromethane	ug/L	29.656		25.000	1.000 U	119	%	54-142	
1,1-Dichloroethene	ug/L	29.880		25.000	1.000 U	120	%	51-136	
Carbon disulfide	ug/L	21.543		25.000	5.000 U	86	%	21-111	
Acetone	ug/L	39.090		25.000	5.000 U	156	%	14-177	
Methylene chloride	ug/L	29.491		25.000	1.000 U	118	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.695		25.000	1.000 U	103	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.208		25.000	1.000 U	113	%	55-142	
1,1-Dichloroethane	ug/L	24.527		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	21.330		25.000	1.000 U	85	%	68-127	
cis-1,2-Dichloroethene	ug/L	27.242		25.000	1.000 U	109	%	70-125	
2-Butanone (MEK)	ug/L	28.825		25.000	5.000 U	115	%	29-139	
Bromochloromethane	ug/L	20.972		25.000	1.000 U	84	%	57-116	
Chloroform	ug/L	27.699		25.000	1.000 U	111	%	75-122	
1,1,1-Trichloroethane	ug/L	27.637		25.000	1.000 U	111	%	70-127	
1,1-Dichloropropene	ug/L	26.754		25.000	1.000 U	107	%	70-125	
Carbon tetrachloride	ug/L	21.421		25.000	1.000 U	86	%	64-132	
Benzene	ug/L	23.340		25.000	1.000 U	93	%	75-122	
1,2-Dichloroethane	ug/L	25.015		25.000	1.000 U	100	%	67-120	
Trichloroethene	ug/L	23.686		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	23.642		25.000	1.000 U	95	%	76-116	
Dibromomethane	ug/L	23.960		25.000	1.000 U	96	%	68-116	
Bromodichloromethane	ug/L	26.934		25.000	1.000 U	108	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.531		26.000	1.000 U	91	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	30.774		25.000	5.000 U	123	%	39-137	
Toluene	ug/L	24.438		25.000	1.000 U	98	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.399		24.000	1.000 U	93	%	68-119	
1,1,2-Trichloroethane	ug/L	31.562		25.000	1.000 U	126	%	63-127	
Tetrachloroethene	ug/L	23.851		25.000	1.000 U	95	%	45-150	
1,3-Dichloropropane	ug/L	28.620		25.000	1.000 U	114	%	72-118	
2-Hexanone	ug/L	29.117		25.000	5.000 U	116	%	36-144	
Dibromochloromethane	ug/L	28.308		25.000	1.000 U	113	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	27.436		25.000	1.000 U	110	%	62-123	
Chlorobenzene	ug/L	26.220		25.000	1.000 U	105	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.004		25.000	1.000 U	104	%	77-120	
Ethylbenzene	ug/L	25.710		25.000	1.000 U	103	%	75-125	
m&p-Xylenes	ug/L	52.618		50.000	2.000 U	105	%	75-123	
o-Xylene	ug/L	27.137		25.000	1.000 U	109	%	76-121	
Styrene	ug/L	23.770		25.000	1.000 U	95	%	77-128	
Bromoform	ug/L	26.084		25.000	1.000 U	104	%	65-115	
Isopropylbenzene	ug/L	23.680		25.000	1.000 U	95	%	64-119	
Bromobenzene	ug/L	25.872		25.000	1.000 U	103	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	29.319		25.000	1.000 U	117	%	61-122	
1,2,3-Trichloropropane	ug/L	27.926		25.000	1.000 U	112	%	62-124	
n-Propylbenzene	ug/L	24.126		25.000	1.000 U	97	%	69-132	
2-Chlorotoluene	ug/L	27.717		25.000	1.000 U	111	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06B23DSA	174167-002		02/23/2006	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.808		25.000	1.000	U	99	%	70-132	
4-Chlorotoluene	ug/L	27.507		25.000	1.000	U	110	%	70-126	
tert-Butylbenzene	ug/L	24.033		25.000	1.000	U	96	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.779		25.000	1.000	U	99	%	71-131	
sec-Butylbenzene	ug/L	23.444		25.000	1.000	U	94	%	70-134	
p-Isopropyltoluene	ug/L	25.552		25.000	1.000	U	102	%	66-130	
n-Butylbenzene	ug/L	23.976		25.000	1.000	U	96	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	26.113		25.000	1.000	U	104	%	57-119	
1,2,3-Trichlorobenzene	ug/L	21.167		25.000	1.000	U	85	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174167-001		02/23/2006	2019

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: djd
Method Description.: Volatile Organics Batch.....: 174169

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174167-001		02/23/2006	2019

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	244449	173808-013		02/28/2006	1226

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174538

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	244449	173808-013		02/28/2006	1226

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174538

LCD	Laboratory Control Sample Duplicate	V06B28DSG	174512-003		02/28/2006	2038

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	40.096	47.209	50.000	5.000	U	80	%	39-159	
							16	R	20	
Chloromethane, Solid	ug/Kg	46.914	46.364	50.000	5.000	U	94	%	42-180	
							1	R	20	
Vinyl chloride, Solid	ug/Kg	49.374	47.182	50.000	5.000	U	99	%	60-125	
							5	R	20	
Bromomethane, Solid	ug/Kg	79.847	56.454	50.000	5.000	U	160	%	39-165	
							34	R	20	*
Chloroethane, Solid	ug/Kg	61.020	54.594	50.000	5.000	U	122	%	56-145	
							11	R	20	
Trichlorofluoromethane, Solid	ug/Kg	52.881	46.693	50.000	5.000	U	106	%	57-136	
							12	R	20	
1,1-Dichloroethene, Solid	ug/Kg	48.597	46.732	50.000	5.000	U	97	%	47-141	
							4	R	20	
Carbon disulfide, Solid	ug/Kg	41.354	39.450	50.000	5.000	U	83	%	22-118	
							5	R	20	
Acetone, Solid	ug/Kg	43.942	45.731	50.000	5.000	U	88	%	50-176	
							4	R	20	
Methylene chloride, Solid	ug/Kg	49.918	45.010	50.000	5.000	U	100	%	67-133	
							10	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	48.499	45.846	50.000	5.000	U	97	%	62-138	
							6	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	51.241	49.024	50.000	5.000	U	102	%	69-155	
							4	R	20	
1,1-Dichloroethane, Solid	ug/Kg	50.592	45.519	50.000	5.000	U	101	%	65-134	
							11	R	20	
2,2-Dichloropropane, Solid	ug/Kg	45.470	46.890	50.000	5.000	U	91	%	70-134	
							3	R	20	
cis-1,2-Dichloroethene, Solid	ug/Kg	49.674	46.648	50.000	5.000	U	99	%	65-125	
							6	R	20	
2-Butanone (MEK), Solid	ug/Kg	48.324	50.165	50.000	5.000	U	97	%	41-166	
							4	R	20	
Bromochloromethane, Solid	ug/Kg	49.964	49.289	50.000	5.000	U	100	%	61-122	
							1	R	20	
Chloroform, Solid	ug/Kg	50.053	45.508	50.000	5.000	U	100	%	73-135	
							10	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	48.112	46.005	50.000	5.000	U	96	%	71-137	
							4	R	20	
1,1-Dichloropropene, Solid	ug/Kg	48.873	45.569	50.000	5.000	U	98	%	68-134	
							7	R	20	
Carbon tetrachloride, Solid	ug/Kg	46.434	48.229	50.000	5.000	U	93	%	67-130	
							4	R	20	
Benzene, Solid	ug/Kg	49.292	47.481	50.000	5.000	U	99	%	72-125	
							4	R	20	
1,2-Dichloroethane, Solid	ug/Kg	50.458	46.771	50.000	5.000	U	101	%	72-134	
							8	R	20	
Trichloroethene, Solid	ug/Kg	46.581	47.141	50.000	5.000	U	93	%	75-125	
							1	R	20	
1,2-Dichloropropane, Solid	ug/Kg	49.614	46.736	50.000	5.000	U	99	%	76-124	
							6	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V06828DSG	174512-003		02/28/2006 2038

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	51.176	48.147	50.000	5.000	U	102 6	% R	75-122 20	
Bromodichloromethane, Solid	ug/Kg	52.713	50.800	50.000	5.000	U	105 4	% R	82-131 20	
cis-1,3-Dichloropropene, Solid	ug/Kg	49.370	48.610	52.000	5.000	U	95 2	% R	78-118 20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.545	47.804	50.000	5.000	U	103 8	% R	57-144 20	
Toluene, Solid	ug/Kg	47.755	46.291	50.000	5.000	U	96 3	% R	73-121 20	
trans-1,3-Dichloropropene, Solid	ug/Kg	46.185	45.867	48.000	5.000	U	96 1	% R	77-127 20	
1,1,2-Trichloroethane, Solid	ug/Kg	52.857	46.670	50.000	5.000	U	106 12	% R	79-133 20	
Tetrachloroethene, Solid	ug/Kg	45.106	48.281	50.000	5.000	U	90 7	% R	65-123 20	
1,3-Dichloropropane, Solid	ug/Kg	52.026	48.468	50.000	5.000	U	104 7	% R	81-123 20	
2-Hexanone, Solid	ug/Kg	47.507	45.508	50.000	5.000	U	95 4	% R	57-148 20	
Dibromochloromethane, Solid	ug/Kg	53.400	52.734	50.000	5.000	U	107 1	% R	78-125 20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.792	47.842	50.000	5.000	U	102 6	% R	77-123 20	
Chlorobenzene, Solid	ug/Kg	48.203	48.272	50.000	5.000	U	96 0	% R	77-115 20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.375	49.151	50.000	5.000	U	99 0	% R	78-126 20	
Ethylbenzene, Solid	ug/Kg	48.334	48.110	50.000	5.000	U	97 0	% R	73-121 20	
m&p-Xylenes, Solid	ug/Kg	96.881	96.218	100.000	10.000	U	97 1	% R	73-122 20	
o-Xylene, Solid	ug/Kg	48.933	47.818	50.000	5.000	U	98 2	% R	75-120 20	
Styrene, Solid	ug/Kg	48.966	48.533	50.000	5.000	U	98 1	% R	76-124 20	
Bromoform, Solid	ug/Kg	50.704	51.818	50.000	5.000	U	101 2	% R	72-132 20	
Isopropylbenzene, Solid	ug/Kg	45.489	44.418	50.000	5.000	U	91 2	% R	59-114 20	
Bromobenzene, Solid	ug/Kg	50.070	49.133	50.000	5.000	U	100 2	% R	75-118 20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	54.278	49.621	50.000	5.000	U	109 9	% R	73-125 20	
1,2,3-Trichloropropane, Solid	ug/Kg	50.697	47.046	50.000	5.000	U	101 7	% R	75-126 20	
n-Propylbenzene, Solid	ug/Kg	49.178	48.178	50.000	5.000	U	98 2	% R	66-126 20	
2-Chlorotoluene, Solid	ug/Kg	50.044	48.236	50.000	5.000	U	100 4	% R	68-126 20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.043	47.998	50.000	5.000	U	96 0	% R	68-125 20	
4-Chlorotoluene, Solid	ug/Kg	47.979	47.073	50.000	5.000	U	96 2	% R	70-123 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V06B28DSG	174512-003		02/28/2006	2038

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	48.366	48.360	50.000	5.000	U	97	%	67-124	
							0	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	48.110	47.992	50.000	5.000	U	96	%	70-126	
							0	R	20	
sec-Butylbenzene, Solid	ug/Kg	47.207	47.617	50.000	5.000	U	94	%	65-129	
							1	R	20	
p-Isopropyltoluene, Solid	ug/Kg	44.555	46.111	50.000	5.000	U	89	%	65-121	
							3	R	20	
n-Butylbenzene, Solid	ug/Kg	44.888	47.042	50.000	5.000	U	90	%	64-133	
							5	R	20	
1,2-Dichlorobenzene, Solid	ug/Kg	47.328	47.409	50.000	5.000	U	95	%	75-117	
							0	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	48.423	47.252	50.000	5.000	U	97	%	61-133	
							2	R	20	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.814	45.964	50.000	5.000	U	92	%	65-127	
							0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCS	Laboratory Control Sample	V06B28DSG	174512-002		02/28/2006 1032

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174538

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	47.209		50.000	5.000 U	94	%	39-159	
Chloromethane, Solid	ug/Kg	46.364		50.000	5.000 U	93	%	42-180	
Vinyl chloride, Solid	ug/Kg	47.182		50.000	5.000 U	94	%	60-125	
Bromomethane, Solid	ug/Kg	56.454		50.000	5.000 U	113	%	39-165	
Chloroethane, Solid	ug/Kg	54.594		50.000	5.000 U	109	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	46.693		50.000	5.000 U	93	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	46.732		50.000	5.000 U	93	%	47-141	
Carbon disulfide, Solid	ug/Kg	39.450		50.000	5.000 U	79	%	22-118	
Acetone, Solid	ug/Kg	45.731		50.000	5.000 U	91	%	50-176	
Methylene chloride, Solid	ug/Kg	45.010		50.000	5.000 U	90	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	45.846		50.000	5.000 U	92	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.024		50.000	5.000 U	98	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	45.519		50.000	5.000 U	91	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	46.890		50.000	5.000 U	94	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	46.648		50.000	5.000 U	93	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	50.165		50.000	5.000 U	100	%	41-166	
Bromochloromethane, Solid	ug/Kg	49.289		50.000	5.000 U	99	%	61-122	
Chloroform, Solid	ug/Kg	45.508		50.000	5.000 U	91	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	46.005		50.000	5.000 U	92	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	45.569		50.000	5.000 U	91	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	48.229		50.000	5.000 U	96	%	67-130	
Benzene, Solid	ug/Kg	47.481		50.000	5.000 U	95	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	46.771		50.000	5.000 U	94	%	72-134	
Trichloroethene, Solid	ug/Kg	47.141		50.000	5.000 U	94	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	46.736		50.000	5.000 U	93	%	76-124	
Dibromomethane, Solid	ug/Kg	48.147		50.000	5.000 U	96	%	75-122	
Bromodichloromethane, Solid	ug/Kg	50.800		50.000	5.000 U	102	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	48.610		52.000	5.000 U	93	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.804		50.000	5.000 U	96	%	57-144	
Toluene, Solid	ug/Kg	46.291		50.000	5.000 U	93	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.867		48.000	5.000 U	96	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	46.670		50.000	5.000 U	93	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.281		50.000	5.000 U	97	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	48.468		50.000	5.000 U	97	%	81-123	
2-Hexanone, Solid	ug/Kg	45.508		50.000	5.000 U	91	%	57-148	
Dibromochloromethane, Solid	ug/Kg	52.734		50.000	5.000 U	105	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	47.842		50.000	5.000 U	96	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.272		50.000	5.000 U	97	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.151		50.000	5.000 U	98	%	78-126	
Ethylbenzene, Solid	ug/Kg	48.110		50.000	5.000 U	96	%	73-121	
m&p-Xylenes, Solid	ug/Kg	96.218		100.000	10.000 U	96	%	73-122	
o-Xylene, Solid	ug/Kg	47.818		50.000	5.000 U	96	%	75-120	
Styrene, Solid	ug/Kg	48.533		50.000	5.000 U	97	%	76-124	
Bromoform, Solid	ug/Kg	51.818		50.000	5.000 U	104	%	72-132	
Isopropylbenzene, Solid	ug/Kg	44.418		50.000	5.000 U	89	%	59-114	
Bromobenzene, Solid	ug/Kg	49.133		50.000	5.000 U	98	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.621		50.000	5.000 U	99	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	47.046		50.000	5.000 U	94	%	75-126	
n-Propylbenzene, Solid	ug/Kg	48.178		50.000	5.000 U	96	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	48.236		50.000	5.000 U	96	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06B28DSG	174512-002		02/28/2006	1032

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	47.998		50.000	5.000 U	96	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	47.073		50.000	5.000 U	94	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	48.360		50.000	5.000 U	97	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	47.992		50.000	5.000 U	96	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	47.617		50.000	5.000 U	95	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	46.111		50.000	5.000 U	92	%	65-121	
n-Butylbenzene, Solid	ug/Kg	47.042		50.000	5.000 U	94	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	47.409		50.000	5.000 U	95	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	47.252		50.000	5.000 U	95	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.964		50.000	5.000 U	92	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174512-001		02/28/2006	1008

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174538

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174512-001		02/28/2006	1008

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174538

MS	Matrix Spike	V06B28DSG	244449-2		02/28/2006	1343

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	64.892		75.380	7.538	U	86	%	39-159	
Chloromethane, Solid	ug/Kg	67.518		75.380	7.538	U	90	%	42-180	
Vinyl chloride, Solid	ug/Kg	71.421		75.380	7.538	U	95	%	60-125	
Bromomethane, Solid	ug/Kg	36.208		75.380	7.538	U	48	%	39-165	
Chloroethane, Solid	ug/Kg	40.697		75.380	7.538	U	54	%	56-145	*
Trichlorofluoromethane, Solid	ug/Kg	56.358		75.380	7.538	U	75	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	82.830		75.380	7.538	U	110	%	47-141	
Carbon disulfide, Solid	ug/Kg	67.440		75.380	7.538	U	89	%	22-118	
Acetone, Solid	ug/Kg	75.914		75.380	21.805		72	%	50-176	
Methylene chloride, Solid	ug/Kg	78.864		75.380	7.538	U	105	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	81.627		75.380	7.538	U	108	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	76.276		75.380	7.538	U	101	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	80.474		75.380	7.538	U	107	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	78.307		75.380	7.538	U	104	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	79.754		75.380	7.538	U	106	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	59.703		75.380	6.578	J	79	%	41-166	
Bromochloromethane, Solid	ug/Kg	75.715		75.380	7.538	U	100	%	61-122	
Chloroform, Solid	ug/Kg	79.096		75.380	7.538	U	105	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	82.294		75.380	7.538	U	109	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	81.196		75.380	7.538	U	108	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	82.737		75.380	7.538	U	110	%	67-130	
Benzene, Solid	ug/Kg	82.668		75.380	7.538	U	110	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	75.940		75.380	7.538	U	101	%	72-134	
Trichloroethene, Solid	ug/Kg	82.286		75.380	7.538	U	109	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	78.222		75.380	7.538	U	104	%	76-124	
Dibromomethane, Solid	ug/Kg	73.349		75.380	7.538	U	97	%	75-122	
Bromodichloromethane, Solid	ug/Kg	81.383		75.380	7.538	U	108	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	76.479		78.400	7.538	U	98	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	69.016		75.380	7.538	U	92	%	57-144	
Toluene, Solid	ug/Kg	80.260		75.380	7.538	U	106	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	69.060		72.370	7.538	U	95	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	72.195		75.380	7.538	U	96	%	79-133	
Tetrachloroethene, Solid	ug/Kg	86.529		75.380	7.538	U	115	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	81.090		75.380	7.538	U	108	%	81-123	
2-Hexanone, Solid	ug/Kg	69.776		75.380	7.538	U	93	%	57-148	
Dibromochloromethane, Solid	ug/Kg	83.728		75.380	7.538	U	111	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	69.965		75.380	7.538	U	93	%	77-123	
Chlorobenzene, Solid	ug/Kg	82.017		75.380	7.538	U	109	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	83.974		75.380	7.538	U	111	%	78-126	
Ethylbenzene, Solid	ug/Kg	87.063		75.380	7.538	U	115	%	73-121	
m&p-Xylenes, Solid	ug/Kg	169.959		150.800	15.076	U	113	%	73-122	
o-Xylene, Solid	ug/Kg	83.487		75.380	7.538	U	111	%	75-120	
Styrene, Solid	ug/Kg	75.469		75.380	7.538	U	100	%	76-124	
Bromoform, Solid	ug/Kg	70.482		75.380	7.538	U	94	%	72-132	
Isopropylbenzene, Solid	ug/Kg	102.375		75.380	7.538	U	136	%	59-114	*
Bromobenzene, Solid	ug/Kg	98.457		75.380	7.538	U	131	%	75-118	*
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	96.740		75.380	7.538	U	128	%	73-125	*
1,2,3-Trichloropropane, Solid	ug/Kg	93.426		75.380	7.538	U	124	%	75-126	
n-Propylbenzene, Solid	ug/Kg	104.528		75.380	7.538	U	139	%	66-126	*
2-Chlorotoluene, Solid	ug/Kg	101.794		75.380	7.538	U	135	%	68-126	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06B28DSG	244449-2		02/28/2006	1343

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	100.053		75.380	7.538 U	133	%	68-125	*
4-Chlorotoluene, Solid	ug/Kg	97.117		75.380	7.538 U	129	%	70-123	*
tert-Butylbenzene, Solid	ug/Kg	100.166		75.380	7.538 U	133	%	67-124	*
1,2,4-Trimethylbenzene, Solid	ug/Kg	96.663		75.380	7.538 U	128	%	70-126	*
sec-Butylbenzene, Solid	ug/Kg	89.240		75.380	7.538 U	118	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	85.612		75.380	7.538 U	114	%	65-121	
n-Butylbenzene, Solid	ug/Kg	75.195		75.380	7.538 U	100	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	76.465		75.380	7.538 U	101	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	72.896		75.380	7.538 U	97	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	41.444		75.380	7.538 U	55	%	65-127	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	V06B28DSG	244449-2		02/28/2006 1408

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174538

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	60.729	64.892	73.770	7.377	U	82	%	39-159	
							5	R	20	
Chloromethane, Solid	ug/Kg	69.052	67.518	73.770	7.377	U	94	%	42-180	
							4	R	20	
Vinyl chloride, Solid	ug/Kg	70.296	71.421	73.770	7.377	U	95	%	60-125	
							0	R	20	
Bromomethane, Solid	ug/Kg	69.013	36.208	73.770	7.377	U	94	%	39-165	
							65	R	20	*
Chloroethane, Solid	ug/Kg	65.315	40.697	73.770	7.377	U	89	%	56-145	
							49	R	20	*
Trichlorofluoromethane, Solid	ug/Kg	66.748	56.358	73.770	7.377	U	90	%	57-136	
							18	R	20	
1,1-Dichloroethene, Solid	ug/Kg	73.912	82.830	73.770	7.377	U	100	%	47-141	
							10	R	20	
Carbon disulfide, Solid	ug/Kg	61.534	67.440	73.770	7.377	U	83	%	22-118	
							7	R	20	
Acetone, Solid	ug/Kg	92.223	75.914	73.770	21.805		95	%	50-176	
							28	R	20	*
Methylene chloride, Solid	ug/Kg	75.013	78.864	73.770	7.377	U	102	%	67-133	
							3	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	74.594	81.627	73.770	7.377	U	101	%	62-138	
							7	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	76.246	76.276	73.770	7.377	U	103	%	69-155	
							2	R	20	
1,1-Dichloroethane, Solid	ug/Kg	74.461	80.474	73.770	7.377	U	101	%	65-134	
							6	R	20	
2,2-Dichloropropane, Solid	ug/Kg	73.727	78.307	73.770	7.377	U	100	%	70-134	
							4	R	20	
cis-1,2-Dichloroethene, Solid	ug/Kg	74.505	79.754	73.770	7.377	U	101	%	65-125	
							5	R	20	
2-Butanone (MEK), Solid	ug/Kg	75.408	59.703	73.770	6.578	J	102	%	41-166	
							25	R	20	*
Bromochloromethane, Solid	ug/Kg	71.821	75.715	73.770	7.377	U	97	%	61-122	
							3	R	20	
Chloroform, Solid	ug/Kg	74.600	79.096	73.770	7.377	U	101	%	73-135	
							4	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	74.771	82.294	73.770	7.377	U	101	%	71-137	
							8	R	20	
1,1-Dichloropropene, Solid	ug/Kg	72.296	81.196	73.770	7.377	U	98	%	68-134	
							10	R	20	
Carbon tetrachloride, Solid	ug/Kg	73.517	82.737	73.770	7.377	U	100	%	67-130	
							10	R	20	
Benzene, Solid	ug/Kg	73.997	82.668	73.770	7.377	U	100	%	72-125	
							10	R	20	
1,2-Dichloroethane, Solid	ug/Kg	75.091	75.940	73.770	7.377	U	102	%	72-134	
							1	R	20	
Trichloroethene, Solid	ug/Kg	72.156	82.286	73.770	7.377	U	98	%	75-125	
							11	R	20	
1,2-Dichloropropane, Solid	ug/Kg	73.668	78.222	73.770	7.377	U	100	%	76-124	
							4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMAD09-0D1 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06B28DSG	244449-2		02/28/2006	1408

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	76.031	73.349	73.770	7.377	U	103	%	75-122	
							6	R	20	
Bromodichloromethane, Solid	ug/Kg	79.153	81.383	73.770	7.377	U	107	%	82-131	
							1	R	20	
cis-1,3-Dichloropropene, Solid	ug/Kg	75.277	76.479	76.720	7.377	U	98	%	78-118	
							0	R	20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	81.287	69.016	73.770	7.377	U	110	%	57-144	
							18	R	20	
Toluene, Solid	ug/Kg	71.120	80.260	73.770	7.377	U	96	%	73-121	
							10	R	20	
trans-1,3-Dichloropropene, Solid	ug/Kg	70.962	69.060	70.820	7.377	U	100	%	77-127	
							5	R	20	
1,1,2-Trichloroethane, Solid	ug/Kg	76.142	72.195	73.770	7.377	U	103	%	79-133	
							7	R	20	
Tetrachloroethene, Solid	ug/Kg	70.732	86.529	73.770	7.377	U	96	%	65-123	
							18	R	20	
1,3-Dichloropropane, Solid	ug/Kg	78.765	81.090	73.770	7.377	U	107	%	81-123	
							1	R	20	
2-Hexanone, Solid	ug/Kg	79.973	69.776	73.770	7.377	U	108	%	57-148	
							15	R	20	
Dibromochloromethane, Solid	ug/Kg	81.494	83.728	73.770	7.377	U	110	%	78-125	
							1	R	20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	74.948	69.965	73.770	7.377	U	102	%	77-123	
							9	R	20	
Chlorobenzene, Solid	ug/Kg	71.141	82.017	73.770	7.377	U	96	%	77-115	
							13	R	20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	75.075	83.974	73.770	7.377	U	102	%	78-126	
							8	R	20	
Ethylbenzene, Solid	ug/Kg	72.071	87.063	73.770	7.377	U	98	%	73-121	
							16	R	20	
m&p-Xylenes, Solid	ug/Kg	143.864	169.959	147.500	14.755	U	98	%	73-122	
							14	R	20	
o-Xylene, Solid	ug/Kg	72.287	83.487	73.770	7.377	U	98	%	75-120	
							12	R	20	
Styrene, Solid	ug/Kg	69.820	75.469	73.770	7.377	U	95	%	76-124	
							5	R	20	
Bromoform, Solid	ug/Kg	75.072	70.482	73.770	7.377	U	102	%	72-132	
							8	R	20	
Isopropylbenzene, Solid	ug/Kg	69.837	102.375	73.770	7.377	U	95	%	59-114	
							35	R	20	*
Bromobenzene, Solid	ug/Kg	74.909	98.457	73.770	7.377	U	102	%	75-118	
							25	R	20	*
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	83.376	96.740	73.770	7.377	U	113	%	73-125	
							12	R	20	
1,2,3-Trichloropropane, Solid	ug/Kg	81.349	93.426	73.770	7.377	U	110	%	75-126	
							12	R	20	
n-Propylbenzene, Solid	ug/Kg	73.370	104.528	73.770	7.377	U	99	%	66-126	
							34	R	20	*
2-Chlorotoluene, Solid	ug/Kg	73.035	101.794	73.770	7.377	U	99	%	68-126	
							31	R	20	*
1,3,5-Trimethylbenzene, Solid	ug/Kg	72.089	100.053	73.770	7.377	U	98	%	68-125	
							30	R	20	*
4-Chlorotoluene, Solid	ug/Kg	70.953	97.117	73.770	7.377	U	96	%	70-123	
							29	R	20	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06B28DSG	244449-2		02/28/2006	1408

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	71.043	100.166	73.770	7.377	U	96	%	67-124	
							32	R	20	*
1,2,4-Trimethylbenzene, Solid	ug/Kg	70.400	96.663	73.770	7.377	U	95	%	70-126	
							30	R	20	*
sec-Butylbenzene, Solid	ug/Kg	67.943	89.240	73.770	7.377	U	92	%	65-129	
							25	R	20	*
p-Isopropyltoluene, Solid	ug/Kg	64.628	85.612	73.770	7.377	U	88	%	65-121	
							26	R	20	*
n-Butylbenzene, Solid	ug/Kg	62.744	75.195	73.770	7.377	U	85	%	64-133	
							16	R	20	
1,2-Dichlorobenzene, Solid	ug/Kg	63.906	76.465	73.770	7.377	U	87	%	75-117	
							15	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	69.471	72.896	73.770	7.377	U	94	%	61-133	
							3	R	20	
1,2,3-Trichlorobenzene, Solid	ug/Kg	50.090	41.444	73.770	7.377	U	68	%	65-127	
							21	R	20	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 — Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C02DSG	174754-002		03/02/2006	1228

Test Method.....: 8260B — Equipment Code....: GCL19 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 174759

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	38.199		50.000	5.000 U	76	%	39-159	
Chloromethane, Solid	ug/Kg	45.568		50.000	5.000 U	91	%	42-180	
Vinyl chloride, Solid	ug/Kg	47.087		50.000	5.000 U	94	%	60-125	
Bromomethane, Solid	ug/Kg	62.196		50.000	5.000 U	124	%	39-165	
Chloroethane, Solid	ug/Kg	55.833		50.000	5.000 U	112	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	53.191		50.000	5.000 U	106	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	45.466		50.000	5.000 U	91	%	47-141	
Carbon disulfide, Solid	ug/Kg	38.205		50.000	5.000 U	76	%	22-118	
Acetone, Solid	ug/Kg	42.232		50.000	5.000 U	84	%	50-176	
Methylene chloride, Solid	ug/Kg	62.432		50.000	5.000 U	125	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	45.869		50.000	5.000 U	92	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	45.587		50.000	5.000 U	91	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	47.707		50.000	5.000 U	95	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.802		50.000	5.000 U	92	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	47.791		50.000	5.000 U	96	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	48.938		50.000	5.000 U	98	%	41-166	
Bromochloromethane, Solid	ug/Kg	45.499		50.000	5.000 U	91	%	61-122	
Chloroform, Solid	ug/Kg	47.722		50.000	5.000 U	95	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	47.268		50.000	5.000 U	95	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	47.026		50.000	5.000 U	94	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	46.502		50.000	5.000 U	93	%	67-130	
Benzene, Solid	ug/Kg	47.487		50.000	5.000 U	95	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	48.339		50.000	5.000 U	97	%	72-134	
Trichloroethene, Solid	ug/Kg	46.160		50.000	5.000 U	92	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	48.270		50.000	5.000 U	97	%	76-124	
Dibromomethane, Solid	ug/Kg	50.051		50.000	5.000 U	100	%	75-122	
Bromodichloromethane, Solid	ug/Kg	51.688		50.000	5.000 U	103	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	49.060		52.000	5.000 U	94	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	48.794		50.000	5.000 U	98	%	57-144	
Toluene, Solid	ug/Kg	47.123		50.000	5.000 U	94	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.586		48.000	5.000 U	95	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	49.423		50.000	5.000 U	99	%	79-133	
Tetrachloroethene, Solid	ug/Kg	46.056		50.000	5.000 U	92	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	50.599		50.000	5.000 U	101	%	81-123	
2-Hexanone, Solid	ug/Kg	45.501		50.000	5.000 U	91	%	57-148	
Dibromochloromethane, Solid	ug/Kg	53.314		50.000	5.000 U	107	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	47.707		50.000	5.000 U	95	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.539		50.000	5.000 U	97	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.230		50.000	5.000 U	98	%	78-126	
Ethylbenzene, Solid	ug/Kg	48.200		50.000	5.000 U	96	%	73-121	
m&p-Xylenes, Solid	ug/Kg	96.489		100.000	10.000 U	96	%	73-122	
o-Xylene, Solid	ug/Kg	49.206		50.000	5.000 U	98	%	75-120	
Styrene, Solid	ug/Kg	48.226		50.000	5.000 U	96	%	76-124	
Bromoform, Solid	ug/Kg	50.166		50.000	5.000 U	100	%	72-132	
Isopropylbenzene, Solid	ug/Kg	46.554		50.000	5.000 U	93	%	59-114	
Bromobenzene, Solid	ug/Kg	50.349		50.000	5.000 U	101	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.343		50.000	5.000 U	107	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	50.911		50.000	5.000 U	102	%	75-126	
n-Propylbenzene, Solid	ug/Kg	50.056		50.000	5.000 U	100	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	50.215		50.000	5.000 U	100	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06C02DSG	174754-002		03/02/2006	1228

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	49.091		50.000	5.000 U	98	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	48.894		50.000	5.000 U	98	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	49.160		50.000	5.000 U	98	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	48.860		50.000	5.000 U	98	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	48.948		50.000	5.000 U	98	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	46.524		50.000	5.000 U	93	%	65-121	
n-Butylbenzene, Solid	ug/Kg	47.431		50.000	5.000 U	95	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	47.038		50.000	5.000 U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	46.696		50.000	5.000 U	93	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	43.899		50.000	5.000 U	88	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 174759

MB	Method Blank		174754-001		03/02/2006	1427

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174754-001		03/02/2006	1427

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: mjk
Method Description.: Volatile Organics Batch.....: 174966

LCD	Laboratory Control Sample Duplicate	V06B24DSA	174321-003		02/25/2006 0359

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	23.496	18.952	25.000	1.000 U	94	%	24-171	
						21	R	20	*
Chloromethane	ug/L	33.330	27.388	25.000	1.000 U	133	%	31-182	
						20	R	20	
Vinyl chloride	ug/L	26.548	21.870	25.000	1.000 U	106	%	50-145	
						19	R	20	
Bromomethane	ug/L	22.481	16.412	25.000	1.000 U	90	%	31-188	
						31	R	20	*
Chloroethane	ug/L	19.625	16.634	25.000	1.000 U	79	%	58-148	
						17	R	20	
Trichlorofluoromethane	ug/L	24.720	20.459	25.000	1.000 U	99	%	54-142	
						19	R	20	
1,1-Dichloroethene	ug/L	28.106	25.654	25.000	1.000 U	112	%	51-136	
						9	R	20	
Carbon disulfide	ug/L	19.334	18.409	25.000	5.000 U	77	%	21-111	
						5	R	20	
Acetone	ug/L	32.497	33.032	25.000	5.000 U	130	%	14-177	
						2	R	20	
Methylene chloride	ug/L	27.367	26.023	25.000	1.000 U	109	%	64-127	
						5	R	20	
trans-1,2-Dichloroethene	ug/L	23.837	22.213	25.000	1.000 U	95	%	62-138	
						7	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.953	23.643	25.000	1.000 U	120	%	55-142	
						24	R	20	*
1,1-Dichloroethane	ug/L	23.843	21.412	25.000	1.000 U	95	%	70-124	
						11	R	20	
2,2-Dichloropropane	ug/L	24.773	20.437	25.000	1.000 U	99	%	68-127	
						19	R	20	
cis-1,2-Dichloroethene	ug/L	27.234	24.082	25.000	1.000 U	109	%	70-125	
						12	R	20	
2-Butanone (MEK)	ug/L	27.853	25.275	25.000	5.000 U	111	%	29-139	
						10	R	20	
Bromochloromethane	ug/L	21.832	17.284	25.000	1.000 U	87	%	57-116	
						23	R	20	*
Chloroform	ug/L	26.989	24.426	25.000	1.000 U	108	%	75-122	
						10	R	20	
1,1,1-Trichloroethane	ug/L	26.904	23.869	25.000	1.000 U	108	%	70-127	
						12	R	20	
1,1-Dichloropropene	ug/L	25.317	22.592	25.000	1.000 U	101	%	70-125	
						11	R	20	
Carbon tetrachloride	ug/L	20.512	18.146	25.000	1.000 U	82	%	64-132	
						12	R	20	
Benzene	ug/L	22.535	20.727	25.000	1.000 U	90	%	75-122	
						8	R	20	
1,2-Dichloroethane	ug/L	25.412	22.072	25.000	1.000 U	102	%	67-120	
						14	R	20	
Trichloroethene	ug/L	21.864	20.613	25.000	1.000 U	87	%	70-125	
						6	R	20	
1,2-Dichloropropane	ug/L	21.918	20.275	25.000	1.000 U	88	%	76-116	
						8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V06B240SA	174321-003		02/25/2006 0359

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.166	20.694	25.000	1.000 U	93	%	68-116	
						11	R	20	
Bromodichloromethane	ug/L	26.712	24.111	25.000	1.000 U	107	%	75-125	
						10	R	20	
cis-1,3-Dichloropropene	ug/L	22.345	20.140	26.000	1.000 U	86	%	72-115	
						10	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	31.936	27.840	25.000	5.000 U	128	%	39-137	
						14	R	20	
Toluene	ug/L	23.811	21.554	25.000	1.000 U	95	%	77-120	
						10	R	20	
trans-1,3-Dichloropropene	ug/L	21.895	19.811	24.000	1.000 U	91	%	68-119	
						10	R	20	
1,1,2-Trichloroethane	ug/L	31.099	27.216	25.000	1.000 U	124	%	63-127	
						13	R	20	
Tetrachloroethene	ug/L	21.981	19.412	25.000	1.000 U	88	%	45-150	
						12	R	20	
1,3-Dichloropropane	ug/L	27.656	25.434	25.000	1.000 U	111	%	72-118	
						8	R	20	
2-Hexanone	ug/L	29.370	23.400	25.000	5.000 U	117	%	36-144	
						23	R	20	*
Dibromochloromethane	ug/L	26.097	24.739	25.000	1.000 U	104	%	73-116	
						5	R	20	
1,2-Dibromoethane (EDB)	ug/L	27.405	24.865	25.000	1.000 U	110	%	62-123	
						10	R	20	
Chlorobenzene	ug/L	25.603	23.274	25.000	1.000 U	102	%	76-116	
						10	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.256	22.096	25.000	1.000 U	101	%	77-120	
						13	R	20	
Ethylbenzene	ug/L	25.155	22.740	25.000	1.000 U	101	%	75-125	
						10	R	20	
m&p-Xylenes	ug/L	51.490	45.239	50.000	2.000 U	103	%	75-123	
						13	R	20	
o-Xylene	ug/L	26.867	23.618	25.000	1.000 U	107	%	76-121	
						13	R	20	
Styrene	ug/L	23.058	20.698	25.000	1.000 U	92	%	77-128	
						11	R	20	
Bromoform	ug/L	25.607	23.839	25.000	1.000 U	102	%	65-115	
						7	R	20	
Isopropylbenzene	ug/L	22.647	20.109	25.000	1.000 U	91	%	64-119	
						12	R	20	
Bromobenzene	ug/L	24.743	21.953	25.000	1.000 U	99	%	76-118	
						12	R	20	
1,1,2,2-Tetrachloroethane	ug/L	30.005	26.177	25.000	1.000 U	120	%	61-122	
						14	R	20	
1,2,3-Trichloropropane	ug/L	29.078	24.576	25.000	1.000 U	116	%	62-124	
						17	R	20	
n-Propylbenzene	ug/L	23.238	20.806	25.000	1.000 U	93	%	69-132	
						11	R	20	
2-Chlorotoluene	ug/L	27.042	24.739	25.000	1.000 U	108	%	70-127	
						9	R	20	
1,3,5-Trimethylbenzene	ug/L	23.949	21.329	25.000	1.000 U	96	%	70-132	
						12	R	20	
4-Chlorotoluene	ug/L	27.005	24.058	25.000	1.000 U	108	%	70-126	
						12	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V06B24DSA	174321-003		02/25/2006	0359

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.715	20.867	25.000	1.000	U	95	%	70-133	
							13	R	20	
1,2,4-Trimethylbenzene	ug/L	24.806	21.474	25.000	1.000	U	99	%	71-131	
							14	R	20	
sec-Butylbenzene	ug/L	22.395	19.935	25.000	1.000	U	90	%	70-134	
							12	R	20	
p-Isopropyltoluene	ug/L	24.710	21.864	25.000	1.000	U	99	%	66-130	
							12	R	20	
n-Butylbenzene	ug/L	23.730	19.748	25.000	1.000	U	95	%	64-142	
							18	R	20	
1,2-Dibromo-3-chloropropane	ug/L	29.318	27.173	25.000	1.000	U	117	%	57-119	
							8	R	20	
1,2,3-Trichlorobenzene	ug/L	24.085	18.382	25.000	1.000	U	96	%	66-124	
							27	R	20	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06B24DSA	174321-002		02/24/2006	1955

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL2
Batch.....: 174966
Analyst...: mjk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.952		25.000	1.000 U	76	%	24-171	
Chloromethane	ug/L	27.388		25.000	1.000 U	110	%	31-182	
Vinyl chloride	ug/L	21.870		25.000	1.000 U	87	%	50-145	
Bromomethane	ug/L	16.412		25.000	1.000 U	66	%	31-188	
Chloroethane	ug/L	16.634		25.000	1.000 U	67	%	58-148	
Trichlorofluoromethane	ug/L	20.459		25.000	1.000 U	82	%	54-142	
1,1-Dichloroethene	ug/L	25.654		25.000	1.000 U	103	%	51-136	
Carbon disulfide	ug/L	18.409		25.000	5.000 U	74	%	21-111	
Acetone	ug/L	33.032		25.000	5.000 U	132	%	14-177	
Methylene chloride	ug/L	26.023		25.000	1.000 U	104	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.213		25.000	1.000 U	89	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	23.643		25.000	1.000 U	95	%	55-142	
1,1-Dichloroethane	ug/L	21.412		25.000	1.000 U	86	%	70-124	
2,2-Dichloropropane	ug/L	20.437		25.000	1.000 U	82	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.082		25.000	1.000 U	96	%	70-125	
2-Butanone (MEK)	ug/L	25.275		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	17.284		25.000	1.000 U	69	%	57-116	
Chloroform	ug/L	24.426		25.000	1.000 U	98	%	75-122	
1,1,1-Trichloroethane	ug/L	23.869		25.000	1.000 U	95	%	70-127	
1,1-Dichloropropene	ug/L	22.592		25.000	1.000 U	90	%	70-125	
Carbon tetrachloride	ug/L	18.146		25.000	1.000 U	73	%	64-132	
Benzene	ug/L	20.727		25.000	1.000 U	83	%	75-122	
1,2-Dichloroethane	ug/L	22.072		25.000	1.000 U	88	%	67-120	
Trichloroethene	ug/L	20.613		25.000	1.000 U	82	%	70-125	
1,2-Dichloropropane	ug/L	20.275		25.000	1.000 U	81	%	76-116	
Dibromomethane	ug/L	20.694		25.000	1.000 U	83	%	68-116	
Bromodichloromethane	ug/L	24.111		25.000	1.000 U	96	%	75-125	
cis-1,3-Dichloropropene	ug/L	20.140		26.000	1.000 U	77	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	27.840		25.000	5.000 U	111	%	39-137	
Toluene	ug/L	21.554		25.000	1.000 U	86	%	77-120	
trans-1,3-Dichloropropene	ug/L	19.811		24.000	1.000 U	83	%	68-119	
1,1,2-Trichloroethane	ug/L	27.216		25.000	1.000 U	109	%	63-127	
Tetrachloroethene	ug/L	19.412		25.000	1.000 U	78	%	45-150	
1,3-Dichloropropane	ug/L	25.434		25.000	1.000 U	102	%	72-118	
2-Hexanone	ug/L	23.400		25.000	5.000 U	94	%	36-144	
Dibromochloromethane	ug/L	24.739		25.000	1.000 U	99	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.865		25.000	1.000 U	99	%	62-123	
Chlorobenzene	ug/L	23.274		25.000	1.000 U	93	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	22.096		25.000	1.000 U	88	%	77-120	
Ethylbenzene	ug/L	22.740		25.000	1.000 U	91	%	75-125	
m&p-Xylenes	ug/L	45.239		50.000	2.000 U	90	%	75-123	
o-Xylene	ug/L	23.618		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	20.698		25.000	1.000 U	83	%	77-128	
Bromoform	ug/L	23.839		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	20.109		25.000	1.000 U	80	%	64-119	
Bromobenzene	ug/L	21.953		25.000	1.000 U	88	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	26.177		25.000	1.000 U	105	%	61-122	
1,2,3-Trichloropropane	ug/L	24.576		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	20.806		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	24.739		25.000	1.000 U	99	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06B24DSA	174321-002		02/24/2006	1955

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.329		25.000	1.000	U	85	%	70-132	
4-Chlorotoluene	ug/L	24.058		25.000	1.000	U	96	%	70-126	
tert-Butylbenzene	ug/L	20.867		25.000	1.000	U	83	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.474		25.000	1.000	U	86	%	71-131	
sec-Butylbenzene	ug/L	19.935		25.000	1.000	U	80	%	70-134	
p-Isopropyltoluene	ug/L	21.864		25.000	1.000	U	87	%	66-130	
n-Butylbenzene	ug/L	19.748		25.000	1.000	U	79	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	27.173		25.000	1.000	U	109	%	57-119	
1,2,3-Trichlorobenzene	ug/L	18.382		25.000	1.000	U	74	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174321-001		02/24/2006	1931

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: mjk
Method Description.: Volatile Organics Batch.....: 174966

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174321-001		02/24/2006	1931

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244449 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 173993 Analyst...: tds
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	173993-001	173993	%	0.1000 U								02/23/2006	1315
MD	244449-2		%	61.50000			60.30000	2.0		R	5.0	02/23/2006	1319

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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University Park, IL 60466
Phone: 708-534-5200
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Report To:
Contact: ERIC EVANS
Company: HGL
Address: 313 USHERS Rd
Ballston Lake, NY 12019
Phone: 518-877-0310
Fax: 518-877-0417
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 244419

Package Sealed (Yes) No	Samples Sealed Yes (No)
Received on Ice (Yes) No	Samples Intact (Yes) No
Temperature °C of Cooler: 2.7	
Within Hold Time (Yes) No	Preserv. Indicated (Yes) No NA
pH Check OK Yes No (NA)	Res. Cl_2 Check OK Yes No (NA)
Sample Labels and COC Agree (Yes) No	COC not present

Sampler Name: M. JACKSON
Signature: Michael D. Jackson
Project Name: MCA BARRACKS
Project Number: OMA009-0001
Project Location: HUNTER AAF - SAVANNAH, GA
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda MACKLEY

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	Moisture	VOCs 8260B	VOCs 8260B							Additional Analyses / Remarks
Refrig #																	
# / Cont.							3	1	3	2							
Volume							5g	2oz	40ml	40ml							
Preserv							none	none	HCl	HCl							
1		MCA-SD0007-0205	2-20-06	0930	S	G	X	X									STANDARD TAT
2		MCA-SD0009-0206		1030													
1		MCA-SDMSD0009-0206		1030													
1		MCA-SDMS0009-0206		1030													
3		MCA-SD0008-0206		1000													
4		MCA-SD DUP101-0206		0900													
5		TB022006		1700	W					X							
6		EB022006		1630					X								

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Michael D. Jackson	HGL	2-20-06	1950		STL	2/21/06	1010
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 2 / 21 / 06
Courier: FX Hand Delivered ☐
Bill of Lading see attached

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241470

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/14/2005

Linda S Mackley
Signature

11-14-05
Date

Name: Linda S. Mackley

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This Report Contains (88) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc./OMA009-001
Hunter AAF
Job Number: 241470
VOA DATA:

1. All samples were analyzed within the required hold-time.

2. The MB (Method Blank) and EB (5035 extraction blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) samples had all five control spike recoveries within the QC limits.

4. The MS/MSD (Matrix Spike/Matrix Spike Duplicate) for sample 1 had all five control spike recoveries and RPD values within the QC limits. The MS/MSD for sample 13 did not provide usable data due to an instrument malfunction. Due to insufficient sample, a re-analysis could not be performed.

5. Samples 1, 2, 4, 5, MB (prep 164819) and MB (prep 165291)had one surrogate recovery above the QC limits and sample 3, 9, 1 MS and LCD (prep 165291) had two surrogate recovery limits above the QC limits. Samples 1, 2, 3, 4 & 5 were re-analyzed, again with the surrogate recoveries above the QC limits. Sample 9 was re-analyzed past the hold time by 3:15 hours with acceptable surrogate recoveries. No further corrective action was required and the original analyses were reported for 1, 2, 4, 5 and 9. All other samples had all surrogate recoveries within the QC limits. The soil LCS had one surrogate recovery below the QC limits and the EB had four surrogate recoveries below the QC limits. No corrective action was required.

6. The samples were prepared and analyzed following SW846 Methods 5030, 5035 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

Gary Rynkar
GC/MS Section Manager

11/14/5
Date

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S A M P L E I N F O R M A T I O N
Date: 11/14/2005

Job Number.: 241470
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241470-1	MCA-SW001-1005	Water	10/28/2005	13:10	10/29/2005	09:40
241470-2	MCA-SW002-1005	Water	10/28/2005	12:55	10/29/2005	09:40
241470-3	MCA-SW003-1005	Water	10/28/2005	12:40	10/29/2005	09:40
241470-4	MCA-SW004-1005	Water	10/28/2005	13:55	10/29/2005	09:40
241470-5	MCA-SW005-1005	Water	10/28/2005	13:25	10/29/2005	09:40
241470-6	MCA-SW006-1005	Water	10/28/2005	13:40	10/29/2005	09:40
241470-7	TB102805	Water	10/28/2005	18:40	10/29/2005	09:40
241470-8	EB102805	Water	10/28/2005	15:00	10/29/2005	09:40
241470-9	MCA-SWDUP101-1005	Water	10/28/2005	09:16	10/29/2005	09:40
241470-10	MCA-SD004-1005	Soil	10/28/2005	14:00	10/29/2005	09:40
241470-11	MCA-SD003-1005	Soil	10/28/2005	12:45	10/29/2005	09:40
241470-12	MCA-SD002-1005	Soil	10/28/2005	13:00	10/29/2005	09:40
241470-13	MCA-SD001-1005	Soil	10/28/2005	13:15	10/29/2005	09:40
241470-14	MCA-SD005-1005	Soil	10/28/2005	13:30	10/29/2005	09:40
241470-15	MCA-SD006-1005	Soil	10/28/2005	13:45	10/29/2005	09:40
241470-16	MCA-SDDUP101-1005	Soil	10/28/2005	09:16	10/29/2005	09:40

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 241470-1
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 241470-1
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 241470-1
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-SW002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-2
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-2
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-2
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-3
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-SW003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-3
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-3
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-4
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-4
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-4
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 241470-5
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 241470-5
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 241470-5
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-6
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-6
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-6
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 18:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-7
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 18:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-7
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 18:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-7
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OHA009-001 ATTN: Eric Evans

Customer Sample ID: EB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241470-8
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Acetone	5.6		H	1.4	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Methylene chloride	1.4			0.24	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241470-8
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn

* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241470-8
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SWDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Water

Laboratory Sample ID: 241470-9
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Methylene chloride	4.9			0.24	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SWDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Water

Laboratory Sample ID: 241470-9
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241470

LABORATORY TEST RESULTS

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SWDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Water

Laboratory Sample ID: 241470-9
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-10
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	58.6			0.10	0.10	1	%	164131		10/31/05 1042	pfk
	% Moisture, Solid	41.4			0.10	0.10	1	%	164131		10/31/05 1042	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	7.9	U		1.5	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chloromethane, Solid*	7.9	U		2.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Vinyl chloride, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromomethane, Solid*	7.9	U		4.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chloroethane, Solid*	7.9	U		4.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Trichlorofluoromethane, Solid*	7.9	U		2.4	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1-Dichloroethene, Solid*	7.9	U		2.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Carbon disulfide, Solid*	7.9	U		1.6	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Acetone, Solid*	62			6.8	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Methylene chloride, Solid*	7.9	U		2.5	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	trans-1,2-Dichloroethene, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.9	U		0.87	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1-Dichloroethane, Solid*	7.9	U		0.93	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2,2-Dichloropropane, Solid*	7.9	U		2.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	cis-1,2-Dichloroethene, Solid*	7.9	U		0.88	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2-Butanone (MEK), Solid*	18			3.5	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromochloromethane, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chloroform, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,1-Trichloroethane, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1-Dichloropropene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Carbon tetrachloride, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Benzene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dichloroethane, Solid*	7.9	U		0.87	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Trichloroethene, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-10
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.9	U		0.87	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Dibromomethane, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromodichloromethane, Solid*	7.9	U		0.90	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	cis-1,3-Dichloropropene, Solid*	7.9	U		0.91	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Toluene, Solid*	7.9	U		2.7	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	trans-1,3-Dichloropropene, Solid*	7.9	U		0.94	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,2-Trichloroethane, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Tetrachloroethene, Solid*	7.9	U		1.4	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,3-Dichloropropane, Solid*	7.9	U		0.96	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2-Hexanone, Solid*	7.9	U		1.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Dibromochloromethane, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dibromoethane (EDB), Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chlorobenzene, Solid*	7.9	U		0.88	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.9	U		0.94	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Ethylbenzene, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	m&p-Xylenes, Solid*	16	U		1.9	16	1.00000	ug/Kg	165459		11/07/05 1557	ges
	o-Xylene, Solid*	7.9	U		0.98	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Styrene, Solid*	7.9	U		0.98	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromoform, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Isopropylbenzene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromobenzene, Solid*	7.9	U		0.77	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2,3-Trichloropropane, Solid*	7.9	U		1.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	n-Propylbenzene, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2-Chlorotoluene, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,3,5-Trimethylbenzene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	4-Chlorotoluene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	tert-Butylbenzene, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-10
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	sec-Butylbenzene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	p-Isopropyltoluene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	n-Butylbenzene, Solid*	7.9	U		1.7	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dichlorobenzene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.9	U		2.4	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2,3-Trichlorobenzene, Solid*	7.9	U		1.7	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-11
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	61.4			0.10	0.10	1	%	164131		10/31/05 1043	pfk
	% Moisture, Solid	38.6			0.10	0.10	1	%	164131		10/31/05 1043	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	11			1.4	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chloromethane, Solid*	7.5	U		2.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Vinyl chloride, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromomethane, Solid*	7.5	U		4.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chloroethane, Solid*	7.5	U		4.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Trichlorofluoromethane, Solid*	7.5	U		2.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1-Dichloroethene, Solid*	7.5	U		2.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Carbon disulfide, Solid*	7.5	U		1.5	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Acetone, Solid*	78			6.5	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Methylene chloride, Solid*	7.5	U		2.4	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	trans-1,2-Dichloroethene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.5	U		0.83	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1-Dichloroethane, Solid*	7.5	U		0.89	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2,2-Dichloropropane, Solid*	7.5	U		2.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	cis-1,2-Dichloroethene, Solid*	7.5	U		0.84	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2-Butanone (MEK), Solid*	13			3.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromochloromethane, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chloroform, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,1-Trichloroethane, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1-Dichloropropene, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Carbon tetrachloride, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Benzene, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dichloroethane, Solid*	7.5	U		0.83	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Trichloroethene, Solid*	7.5	U		0.99	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-11
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.5	U		0.83	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Dibromomethane, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromodichloromethane, Solid*	7.5	U		0.86	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	cis-1,3-Dichloropropene, Solid*	7.5	U		0.87	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Toluene, Solid*	7.5	U		2.6	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	trans-1,3-Dichloropropene, Solid*	7.5	U		0.90	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,2-Trichloroethane, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Tetrachloroethene, Solid*	7.5	U		1.4	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,3-Dichloropropane, Solid*	7.5	U		0.92	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2-Hexanone, Solid*	7.5	U		1.8	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Dibromochloromethane, Solid*	7.5	U		0.98	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dibromoethane (EDB), Solid*	7.5	U		0.96	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chlorobenzene, Solid*	7.5	U		0.84	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.5	U		0.90	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Ethylbenzene, Solid*	7.5	U		0.96	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	m&p-Xylenes, Solid*	15	U		1.8	15	1.00000	ug/Kg	165459		11/07/05 1623	ges
	o-Xylene, Solid*	7.5	U		0.93	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Styrene, Solid*	7.5	U		0.93	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromoform, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Isopropylbenzene, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromobenzene, Solid*	7.5	U		0.74	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2,3-Trichloropropane, Solid*	7.5	U		1.8	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	n-Propylbenzene, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2-Chlorotoluene, Solid*	7.5	U		0.99	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,3,5-Trimethylbenzene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	4-Chlorotoluene, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	tert-Butylbenzene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-11
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.5	U		1.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	sec-Butylbenzene, Solid*	7.5	U		1.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	p-Isopropyltoluene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	n-Butylbenzene, Solid*	7.5	U		1.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dichlorobenzene, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.5	U		2.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2,3-Trichlorobenzene, Solid*	7.5	U		1.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-12
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	72.5			0.10	0.10	1	%	164131		10/31/05 1044	pfk
	% Moisture, Solid	27.5			0.10	0.10	1	%	164131		10/31/05 1044	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.4	U		1.2	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chloromethane, Solid*	6.4	U		1.7	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Vinyl chloride, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromomethane, Solid*	6.4	U		4.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chloroethane, Solid*	6.4	U		4.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Trichlorofluoromethane, Solid*	6.4	U		1.9	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1-Dichloroethene, Solid*	6.4	U		1.7	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Carbon disulfide, Solid*	6.4	U		1.3	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Acetone, Solid*	44			5.5	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Methylene chloride, Solid*	6.4	U		2.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	trans-1,2-Dichloroethene, Solid*	6.4	U		0.98	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.4	U		0.70	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1-Dichloroethane, Solid*	6.4	U		0.75	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2,2-Dichloropropane, Solid*	6.4	U		1.8	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	cis-1,2-Dichloroethene, Solid*	6.4	U		0.72	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2-Butanone (MEK), Solid*	9.1			2.8	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromochloromethane, Solid*	6.4	U		0.96	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chloroform, Solid*	6.4	U		0.87	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,1-Trichloroethane, Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1-Dichloropropene, Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Carbon tetrachloride, Solid*	6.4	U		0.93	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Benzene, Solid*	6.4	U		0.88	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dichloroethane, Solid*	6.4	U		0.70	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Trichloroethene, Solid*	6.4	U		0.84	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-12
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.4	U		0.70	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Dibromomethane, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromodichloromethane, Solid*	6.4	U		0.73	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	cis-1,3-Dichloropropene, Solid*	6.4	U		0.74	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Toluene, Solid*	6.4	U		2.2	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	trans-1,3-Dichloropropene, Solid*	6.4	U		0.77	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,2-Trichloroethane, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Tetrachloroethene, Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,3-Dichloropropane, Solid*	6.4	U		0.78	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2-Hexanone, Solid*	6.4	U		1.5	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Dibromochloromethane, Solid*	6.4	U		0.83	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dibromoethane (EDB), Solid*	6.4	U		0.82	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chlorobenzene, Solid*	6.4	U		0.72	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.4	U		0.77	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Ethylbenzene, Solid*	6.4	U		0.82	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	m&p-Xylenes, Solid*	13	U		1.5	13	1.00000	ug/Kg	165459		11/07/05 1649	ges
	o-Xylene, Solid*	6.4	U		0.79	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Styrene, Solid*	6.4	U		0.79	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromoform, Solid*	6.4	U		0.95	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Isopropylbenzene, Solid*	6.4	U		0.87	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromobenzene, Solid*	6.4	U		0.63	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.4	U		0.91	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2,3-Trichloropropane, Solid*	6.4	U		1.5	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	n-Propylbenzene, Solid*	6.4	U		0.95	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2-Chlorotoluene, Solid*	6.4	U		0.84	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,3,5-Trimethylbenzene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	4-Chlorotoluene, Solid*	6.4	U		0.88	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	tert-Butylbenzene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-12
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	sec-Butylbenzene, Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	p-Isopropyltoluene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	n-Butylbenzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dichlorobenzene, Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.4	U		1.9	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2,3-Trichlorobenzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-13
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	66.9			0.10	0.10	1	%	164131		10/31/05 1045	pfk
	% Moisture, Solid	33.1			0.10	0.10	1	%	164131		10/31/05 1045	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	7.0	U		1.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chloromethane, Solid*	7.0	U		1.8	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Vinyl chloride, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromomethane, Solid*	7.0	U		4.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chloroethane, Solid*	7.0	U		4.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Trichlorofluoromethane, Solid*	7.0	U		2.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1-Dichloroethene, Solid*	7.0	U		1.8	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Carbon disulfide, Solid*	7.0	U		1.4	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Acetone, Solid*	82			6.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Methylene chloride, Solid*	7.0	U		2.2	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	trans-1,2-Dichloroethene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.0	U		0.77	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1-Dichloroethane, Solid*	7.0	U		0.82	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2,2-Dichloropropane, Solid*	7.0	U		1.9	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	cis-1,2-Dichloroethene, Solid*	7.0	U		0.78	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2-Butanone (MEK), Solid*	11			3.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromochloromethane, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chloroform, Solid*	7.0	U		0.95	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,1-Trichloroethane, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1-Dichloropropene, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Carbon tetrachloride, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Benzene, Solid*	7.0	U		0.96	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dichloroethane, Solid*	7.0	U		0.77	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Trichloroethene, Solid*	7.0	U		0.92	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-13
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.0	U		0.77	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Dibromomethane, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromodichloromethane, Solid*	7.0	U		0.79	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	cis-1,3-Dichloropropene, Solid*	7.0	U		0.81	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Toluene, Solid*	7.0	U		2.4	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	trans-1,3-Dichloropropene, Solid*	7.0	U		0.84	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,2-Trichloroethane, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Tetrachloroethene, Solid*	7.0	U		1.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,3-Dichloropropane, Solid*	7.0	U		0.85	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2-Hexanone, Solid*	7.0	U		1.7	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Dibromochloromethane, Solid*	7.0	U		0.90	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dibromoethane (EDB), Solid*	7.0	U		0.89	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chlorobenzene, Solid*	7.0	U		0.78	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.0	U		0.84	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Ethylbenzene, Solid*	7.0	U		0.89	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	m&p-Xylenes, Solid*	14	U		1.7	14	1.00000	ug/Kg	165459		11/07/05 1715	ges
	o-Xylene, Solid*	7.0	U		0.86	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Styrene, Solid*	7.0	U		0.86	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromoform, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Isopropylbenzene, Solid*	7.0	U		0.95	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromobenzene, Solid*	7.0	U		0.68	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.0	U		0.99	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2,3-Trichloropropane, Solid*	7.0	U		1.7	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	n-Propylbenzene, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2-Chlorotoluene, Solid*	7.0	U		0.92	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,3,5-Trimethylbenzene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	4-Chlorotoluene, Solid*	7.0	U		0.96	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	tert-Butylbenzene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-13
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.0	U		1.2	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	sec-Butylbenzene, Solid*	7.0	U		1.2	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	p-Isopropyltoluene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	n-Butylbenzene, Solid*	7.0	U		1.5	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dichlorobenzene, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.0	U		2.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2,3-Trichlorobenzene, Solid*	7.0	U		1.5	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SB005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-14
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	72.7			0.10	0.10	1	%	164131		10/31/05 1047	pfk
	% Moisture, Solid	27.3			0.10	0.10	1	%	164131		10/31/05 1047	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	9.4			1.2	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chloromethane, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Vinyl chloride, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromomethane, Solid*	6.2	U		3.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chloroethane, Solid*	6.2	U		3.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Trichlorofluoromethane, Solid*	6.2	U		1.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1-Dichloroethene, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Carbon disulfide, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Acetone, Solid*	50			5.4	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Methylene chloride, Solid*	6.2	U		2.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	trans-1,2-Dichloroethene, Solid*	6.2	U		0.96	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1-Dichloroethane, Solid*	6.2	U		0.74	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2,2-Dichloropropane, Solid*	6.2	U		1.7	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	cis-1,2-Dichloroethene, Solid*	6.2	U		0.70	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2-Butanone (MEK), Solid*	8.5			2.7	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromochloromethane, Solid*	6.2	U		0.94	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chloroform, Solid*	6.2	U		0.85	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,1-Trichloroethane, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1-Dichloropropene, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Carbon tetrachloride, Solid*	6.2	U		0.91	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Benzene, Solid*	6.2	U		0.86	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dichloroethane, Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Trichloroethene, Solid*	6.2	U		0.82	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-14
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Dibromomethane, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromodichloromethane, Solid*	6.2	U		0.71	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	cis-1,3-Dichloropropene, Solid*	6.2	U		0.72	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Toluene, Solid*	6.2	U		2.1	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	trans-1,3-Dichloropropene, Solid*	6.2	U		0.75	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,2-Trichloroethane, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Tetrachloroethene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,3-Dichloropropane, Solid*	6.2	U		0.76	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2-Hexanone, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Dibromochloromethane, Solid*	6.2	U		0.81	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dibromoethane (EDB), Solid*	6.2	U		0.80	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chlorobenzene, Solid*	6.2	U		0.70	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.2	U		0.75	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Ethylbenzene, Solid*	6.2	U		0.80	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	165459		11/07/05 1741	ges
	o-Xylene, Solid*	6.2	U		0.77	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Styrene, Solid*	6.2	U		0.77	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromoform, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Isopropylbenzene, Solid*	6.2	U		0.85	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromobenzene, Solid*	6.2	U		0.61	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.2	U		0.89	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2,3-Trichloropropane, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	n-Propylbenzene, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2-Chlorotoluene, Solid*	6.2	U		0.82	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,3,5-Trimethylbenzene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	4-Chlorotoluene, Solid*	6.2	U		0.86	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	tert-Butylbenzene, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-14
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	sec-Butylbenzene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	p-Isopropyltoluene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	n-Butylbenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dichlorobenzene, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.2	U		1.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2,3-Trichlorobenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-15
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	68.0			0.10	0.10	1	%	164131		10/31/05 1048	pfk
	% Moisture, Solid	32.0			0.10	0.10	1	%	164131		10/31/05 1048	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chloromethane, Solid*	6.8	U		1.8	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Vinyl chloride, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromomethane, Solid*	6.8	U		4.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chloroethane, Solid*	6.8	U		4.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Trichlorofluoromethane, Solid*	6.8	U		2.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1-Dichloroethene, Solid*	6.8	U		1.8	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Carbon disulfide, Solid*	6.8	U		1.4	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Acetone, Solid*	46			5.8	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Methylene chloride, Solid*	6.8	U		2.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	trans-1,2-Dichloroethene, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.8	U		0.75	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1-Dichloroethane, Solid*	6.8	U		0.80	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2,2-Dichloropropane, Solid*	6.8	U		1.9	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	cis-1,2-Dichloroethene, Solid*	6.8	U		0.76	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2-Butanone (MEK), Solid*	9.9			3.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromochloromethane, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chloroform, Solid*	6.8	U		0.92	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,1-Trichloroethane, Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1-Dichloropropene, Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Carbon tetrachloride, Solid*	6.8	U		0.99	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Benzene, Solid*	6.8	U		0.94	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dichloroethane, Solid*	6.8	U		0.75	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Trichloroethene, Solid*	6.8	U		0.90	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-15
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.8	U		0.75	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Dibromomethane, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromodichloromethane, Solid*	6.8	U		0.77	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	cis-1,3-Dichloropropene, Solid*	6.8	U		0.79	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Toluene, Solid*	6.8	U		2.3	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	trans-1,3-Dichloropropene, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,2-Trichloroethane, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Tetrachloroethene, Solid*	6.8	U		1.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,3-Dichloropropane, Solid*	6.8	U		0.83	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2-Hexanone, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Dibromochloromethane, Solid*	6.8	U		0.88	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dibromoethane (EDB), Solid*	6.8	U		0.87	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chlorobenzene, Solid*	6.8	U		0.76	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Ethylbenzene, Solid*	6.8	U		0.87	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	m&p-Xylenes, Solid*	14	U		1.6	14	1.00000	ug/Kg	165459		11/07/05 1806	ges
	o-Xylene, Solid*	6.8	U		0.84	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Styrene, Solid*	6.8	U		0.84	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromoform, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Isopropylbenzene, Solid*	6.8	U		0.92	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromobenzene, Solid*	6.8	U		0.67	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.8	U		0.96	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2,3-Trichloropropane, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	n-Propylbenzene, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2-Chlorotoluene, Solid*	6.8	U		0.90	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,3,5-Trimethylbenzene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	4-Chlorotoluene, Solid*	6.8	U		0.94	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	tert-Butylbenzene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-15
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.8	U		1.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	sec-Butylbenzene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	p-Isopropyltoluene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	n-Butylbenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dichlorobenzene, Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.8	U		2.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2,3-Trichlorobenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241470

LABORATORY TEST RESULTS

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-16
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	71.4			0.10	0.10	1	%	164131		10/31/05 1049	pfk
	% Moisture, Solid	28.6			0.10	0.10	1	%	164131		10/31/05 1049	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chloromethane, Solid*	6.7	U		1.8	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Vinyl chloride, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromomethane, Solid*	6.7	U		4.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chloroethane, Solid*	6.7	U		4.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Trichlorofluoromethane, Solid*	6.7	U		2.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1-Dichloroethene, Solid*	6.7	U		1.8	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Carbon disulfide, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Acetone, Solid*	73			5.8	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Methylene chloride, Solid*	6.7	U		2.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	trans-1,2-Dichloroethene, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.7	U		0.74	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1-Dichloroethane, Solid*	6.7	U		0.80	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2,2-Dichloropropane, Solid*	6.7	U		1.9	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	cis-1,2-Dichloroethene, Solid*	6.7	U		0.76	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2-Butanone (MEK), Solid*	23			3.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromochloromethane, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chloroform, Solid*	6.7	U		0.92	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,1-Trichloroethane, Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1-Dichloropropene, Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Carbon tetrachloride, Solid*	6.7	U		0.98	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Benzene, Solid*	6.7	U		0.93	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dichloroethane, Solid*	6.7	U		0.74	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Trichloroethene, Solid*	6.7	U		0.89	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-16
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.7	U		0.74	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Dibromomethane, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromodichloromethane, Solid*	6.7	U		0.77	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	cis-1,3-Dichloropropene, Solid*	6.7	U		0.78	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Toluene, Solid*	8.6			2.3	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	trans-1,3-Dichloropropene, Solid*	6.7	U		0.81	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,2-Trichloroethane, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Tetrachloroethene, Solid*	6.7	U		1.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,3-Dichloropropane, Solid*	6.7	U		0.82	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2-Hexanone, Solid*	6.7	U		1.6	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Dibromochloromethane, Solid*	6.7	U		0.88	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dibromoethane (EDB), Solid*	6.7	U		0.86	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chlorobenzene, Solid*	6.7	U		0.76	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.7	U		0.81	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Ethylbenzene, Solid*	6.7	U		0.86	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	m&p-Xylenes, Solid*	13			1.6	13	1.00000	ug/Kg	165459		11/07/05 1832	ges
	o-Xylene, Solid*	6.7	U		0.84	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Styrene, Solid*	6.7	U		0.84	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromoform, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Isopropylbenzene, Solid*	6.7	U		0.92	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromobenzene, Solid*	6.7	U		0.66	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.7	U		0.96	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2,3-Trichloropropane, Solid*	6.7	U		1.6	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	n-Propylbenzene, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2-Chlorotoluene, Solid*	6.7	U		0.89	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,3,5-Trimethylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	4-Chlorotoluene, Solid*	6.7	U		0.93	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	tert-Butylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-16
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	sec-Butylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	p-Isopropyltoluene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	n-Butylbenzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dichlorobenzene, Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.7	U		2.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2,3-Trichlorobenzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241470-1 Client ID: MCA-SW001-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/06/2005 2301	
5030B	5030 10 mL Purge Prep	2	165291		11/10/2005 1121	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	164824	164819	11/06/2005 2301	1.00000

Lab ID: 241470-2 Client ID: MCA-SW002-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0009	
5030B	5030 10 mL Purge Prep	2	165291		11/10/2005 1145	
8260B	Volatile Organics	1	164824	164819	11/07/2005 0009	1.00000

Lab ID: 241470-3 Client ID: MCA-SW003-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0032	
5030B	5030 10 mL Purge Prep	2	165291		11/10/2005 1209	
8260B	Volatile Organics	1	164824	164819	11/07/2005 0032	1.00000

Lab ID: 241470-4 Client ID: MCA-SW004-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0054	
5030B	5030 10 mL Purge Prep	2	165291		11/10/2005 1233	
8260B	Volatile Organics	1	164824	164819	11/07/2005 0054	1.00000

Lab ID: 241470-5 Client ID: MCA-SW005-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0117	
5030B	5030 10 mL Purge Prep	2	165291		11/10/2005 1257	
8260B	Volatile Organics	1	164824	164819	11/07/2005 0117	1.00000

Lab ID: 241470-6 Client ID: MCA-SW006-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291		11/10/2005 1321	
5030B	5030 10 mL Purge Prep	2	165344		11/11/2005 1128	
8260B	Volatile Organics	1	165346	165344	11/11/2005 1128	1.00000

Lab ID: 241470-7 Client ID: TB102805 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291		11/10/2005 1345	
5030B	5030 10 mL Purge Prep	2	165344		11/11/2005 1152	
8260B	Volatile Organics	1	165346	165344	11/11/2005 1152	1.00000

Lab ID: 241470-8 Client ID: EB102805 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291		11/10/2005 1409	
5030B	5030 10 mL Purge Prep	2	165344		11/11/2005 1216	
8260B	Volatile Organics	1	165346	165344	11/11/2005 1216	1.00000

Lab ID: 241470-9 Client ID: MCA-SWDUP101-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291		11/10/2005 1434	
5030B	5030 10 mL Purge Prep	2	165344		11/11/2005 1240	
8260B	Volatile Organics	1	165514	165291	11/10/2005 1434	1.00000

Lab ID: 241470-10 Client ID: MCA-SD004-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005 1042	

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LABORATORY CHRONICLE

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241470-10 Client ID: MCA-SD004-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1557	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0700	
5035	5035 Preservation Low	1	164072		10/30/2005	0700	
5035	5035 Preservation Low	1	164072		10/30/2005	0701	
5035	5035 Preservation Low	2	164072		10/30/2005	0700	
5035	5035 Preservation Low	2	164072		10/30/2005	0701	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1557	1.00000

Lab ID: 241470-11 Client ID: MCA-SD003-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1043	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1623	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0702	
5035	5035 Preservation Low	1	164072		10/30/2005	0702	
5035	5035 Preservation Low	2	164072		10/30/2005	0703	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1623	1.00000

Lab ID: 241470-12 Client ID: MCA-SD002-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1044	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1649	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0704	
5035	5035 Preservation Low	1	164072		10/30/2005	0706	
5035	5035 Preservation Low	2	164072		10/30/2005	0704	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1649	1.00000

Lab ID: 241470-13 Client ID: MCA-SD001-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1045	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1715	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0707	
5035	5035 Preservation Low	1	164072		10/30/2005	0708	
5035	5035 Preservation Low	2	164072		10/30/2005	0707	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1715	1.00000

Lab ID: 241470-14 Client ID: MCA-SD005-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1047	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1741	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0713	
5035	5035 Preservation Low	1	164072		10/30/2005	0713	
5035	5035 Preservation Low	2	164072		10/30/2005	0714	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1741	1.00000

Lab ID: 241470-15 Client ID: MCA-SD006-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1048	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1806	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0716	
5035	5035 Preservation Low	1	164072		10/30/2005	0716	

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LABORATORY CHRONICLE

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241470-15 Client ID: MCA-SD006-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Preservation Low	1	164072		10/30/2005	0717	
5035	5035 Preservation Low	2	164072		10/30/2005	0716	
5035	5035 Preservation Low	2	164072		10/30/2005	0717	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1806	1.00000

Lab ID: 241470-16 Client ID: MCA-SDDUP101-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1049	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1832	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0718	
5035	5035 Preservation Low	1	164072		10/30/2005	0718	
5035	5035 Preservation Low	2	164072		10/30/2005	0719	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1832	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 165459

Prep Batch..: 164072

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/07/2005	37*	51*	39*	41*
241470- 10		MCA-SD004-1005	11/07/2005	102	94	95	98
241470- 11		MCA-SD003-1005	11/07/2005	93	82	92	92
241470- 12		MCA-SD002-1005	11/07/2005	96	93	97	98
241470- 13		MCA-SD001-1005	11/07/2005	104	85	99	96
241470- 14		MCA-SD005-1005	11/07/2005	104	98	100	101
241470- 15		MCA-SD006-1005	11/07/2005	100	95	97	98
241470- 16		MCA-SDDUP101-1005	11/07/2005	99	96	95	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 164824

Prep Batch..: 164819

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/06/2005	113	101	99	101
MB			11/06/2005	125*	96	105	100
241470- 1		MCA-SW001-1005	11/06/2005	124*	93	114	92
241470- 1	MS	MCA-SW001-1005	11/06/2005	121*	101	116*	104
241470- 1	MSD	MCA-SW001-1005	11/06/2005	117	100	110	100
241470- 2		MCA-SW002-1005	11/07/2005	123*	95	114	93
241470- 3		MCA-SW003-1005	11/07/2005	131*	92	117*	95
241470- 4		MCA-SW004-1005	11/07/2005	124*	93	111	94
241470- 5		MCA-SW005-1005	11/07/2005	127*	93	115	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 165459

Prep Batch..: 164914

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/07/2005	69	98	75	81*
MB			11/07/2005	72	103	76	85

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 165514
Prep Batch..: 165291

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/10/2005	111	121*	119*	105
LCS			11/10/2005	113	118	112	108
MB			11/10/2005	121*	110	108	106
241470- 9		MCA-SWDUP101-1005	11/10/2005	126*	107	125*	109

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 165346
Prep Batch..: 165344

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/11/2005	104	118	106	108
MB			11/11/2005	110	109	107	107
241470- 6		MCA-SW006-1005	11/11/2005	106	110	106	105
241470- 7		TB102805	11/11/2005	112	113	103	107
241470- 8		EB102805	11/11/2005	113	111	109	106

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241470 — Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K06DSA	164819-018		11/06/2005	2054

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164824

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.079		25.000	1.000 U	100	%	24-171	
Chloromethane	ug/L	18.298		25.000	1.000 U	73	%	31-182	
Vinyl chloride	ug/L	24.035		25.000	1.000 U	96	%	50-145	
Bromomethane	ug/L	35.119		25.000	1.000 U	140	%	31-188	
Chloroethane	ug/L	27.398		25.000	1.000 U	110	%	58-148	
Trichlorofluoromethane	ug/L	33.552		25.000	1.000 U	134	%	54-142	
1,1-Dichloroethene	ug/L	22.864		25.000	1.000 U	91	%	51-136	
Carbon disulfide	ug/L	18.391		25.000	5.000 U	74	%	21-111	
Acetone	ug/L	30.405		25.000	5.000 U	122	%	14-177	
Methylene chloride	ug/L	21.588		25.000	1.000 U	86	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.279		25.000	1.000 U	93	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.502		25.000	1.000 U	98	%	55-142	
1,1-Dichloroethane	ug/L	22.870		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	30.617		25.000	1.000 U	122	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.058		25.000	1.000 U	92	%	70-125	
2-Butanone (MEK)	ug/L	20.742		25.000	5.000 U	83	%	29-139	
Bromochloromethane	ug/L	25.340		25.000	1.000 U	101	%	57-116	
Chloroform	ug/L	26.535		25.000	1.000 U	106	%	75-122	
1,1,1-Trichloroethane	ug/L	31.018		25.000	1.000 U	124	%	70-127	
1,1-Dichloropropene	ug/L	24.241		25.000	1.000 U	97	%	70-125	
Carbon tetrachloride	ug/L	35.142		25.000	1.000 U	141	%	64-132	*
Benzene	ug/L	23.267		25.000	1.000 U	93	%	75-122	
1,2-Dichloroethane	ug/L	28.064		25.000	1.000 U	112	%	67-120	
Trichloroethene	ug/L	26.397		25.000	1.000 U	106	%	70-125	
1,2-Dichloropropane	ug/L	21.436		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	24.935		25.000	1.000 U	100	%	68-116	
Bromodichloromethane	ug/L	31.674		25.000	1.000 U	127	%	75-125	*
cis-1,3-Dichloropropene	ug/L	26.473		26.000	1.000 U	102	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	18.697		25.000	5.000 U	75	%	39-137	
Toluene	ug/L	25.356		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.602		24.000	1.000 U	107	%	68-119	
1,1,2-Trichloroethane	ug/L	23.235		25.000	1.000 U	93	%	63-127	
Tetrachloroethene	ug/L	29.325		25.000	1.000 U	117	%	45-150	
1,3-Dichloropropane	ug/L	24.453		25.000	1.000 U	98	%	72-118	
2-Hexanone	ug/L	17.142		25.000	5.000 U	69	%	36-144	
Dibromochloromethane	ug/L	30.482		25.000	1.000 U	122	%	73-116	*
1,2-Dibromoethane (EDB)	ug/L	24.848		25.000	1.000 U	99	%	62-123	
Chlorobenzene	ug/L	24.743		25.000	1.000 U	99	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	31.385		25.000	1.000 U	126	%	77-120	*
Ethylbenzene	ug/L	25.866		25.000	1.000 U	103	%	75-125	
m&p-Xylenes	ug/L	56.614		50.000	2.000 U	113	%	75-123	
o-Xylene	ug/L	27.959		25.000	1.000 U	112	%	76-121	
Styrene	ug/L	23.905		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	32.175		25.000	1.000 U	129	%	65-115	*
Isopropylbenzene	ug/L	23.064		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	26.019		25.000	1.000 U	104	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.834		25.000	1.000 U	83	%	61-122	
1,2,3-Trichloropropane	ug/L	1.000	U	25.000	1.000 U	0	%	62-124	*
n-Propylbenzene	ug/L	22.685		25.000	1.000 U	91	%	69-132	
2-Chlorotoluene	ug/L	26.610		25.000	1.000 U	106	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K06DSA	164819-018		11/06/2005	2054

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	26.876		25.000	1.000 U	108	%	70-132	
4-Chlorotoluene	ug/L	26.725		25.000	1.000 U	107	%	70-126	
tert-Butylbenzene	ug/L	24.866		25.000	1.000 U	99	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.469		25.000	1.000 U	106	%	71-131	
sec-Butylbenzene	ug/L	22.866		25.000	1.000 U	91	%	70-134	
p-Isopropyltoluene	ug/L	24.655		25.000	1.000 U	99	%	66-130	
n-Butylbenzene	ug/L	24.372		25.000	1.000 U	97	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.791		25.000	1.000 U	91	%	57-119	
1,2,3-Trichlorobenzene	ug/L	28.702		25.000	1.000 U	115	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164819-017		11/06/2005	2157

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164824

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164819-017		11/06/2005	2157

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K06DSA	241470-1		11/06/2005	2323

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 164824

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.969		25.000	1.000 U	76	%	24-171	
Chloromethane	ug/L	20.481		25.000	1.000 U	82	%	31-182	
Vinyl chloride	ug/L	22.249		25.000	1.000 U	89	%	50-145	
Bromomethane	ug/L	19.029		25.000	1.000 U	76	%	31-188	
Chloroethane	ug/L	18.930		25.000	1.000 U	76	%	58-148	
Trichlorofluoromethane	ug/L	25.657		25.000	1.000 U	103	%	54-142	
1,1-Dichloroethene	ug/L	20.734		25.000	1.000 U	83	%	51-136	
Carbon disulfide	ug/L	17.208		25.000	5.000 U	69	%	21-111	
Acetone	ug/L	25.127		25.000	5.000 U	101	%	14-177	
Methylene chloride	ug/L	22.640		25.000	1.000 U	91	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.433		25.000	1.000 U	90	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.912		25.000	1.000 U	108	%	55-142	
1,1-Dichloroethane	ug/L	22.917		25.000	1.000 U	92	%	70-124	
2,2-Dichloropropane	ug/L	26.492		25.000	1.000 U	106	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.340		25.000	1.000 U	93	%	70-125	
2-Butanone (MEK)	ug/L	22.350		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	26.758		25.000	1.000 U	107	%	57-116	
Chloroform	ug/L	27.470		25.000	1.000 U	110	%	75-122	
1,1,1-Trichloroethane	ug/L	28.716		25.000	1.000 U	115	%	70-127	
1,1-Dichloropropene	ug/L	22.187		25.000	1.000 U	89	%	70-125	
Carbon tetrachloride	ug/L	27.266		25.000	1.000 U	109	%	64-132	
Benzene	ug/L	21.205		25.000	1.000 U	85	%	75-122	
1,2-Dichloroethane	ug/L	26.839		25.000	1.000 U	107	%	67-120	
Trichloroethene	ug/L	23.702		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	20.006		25.000	1.000 U	80	%	76-116	
Dibromomethane	ug/L	23.596		25.000	1.000 U	94	%	68-116	
Bromodichloromethane	ug/L	28.945		25.000	1.000 U	116	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.155		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	19.109		25.000	5.000 U	76	%	39-137	
Toluene	ug/L	22.864		25.000	1.000 U	91	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.444		24.000	1.000 U	98	%	68-119	
1,1,2-Trichloroethane	ug/L	24.430		25.000	1.000 U	98	%	63-127	
Tetrachloroethene	ug/L	22.548		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	22.292		25.000	1.000 U	89	%	72-118	
2-Hexanone	ug/L	16.609		25.000	5.000 U	66	%	36-144	
Dibromochloromethane	ug/L	27.231		25.000	1.000 U	109	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.432		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	22.264		25.000	1.000 U	89	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.987		25.000	1.000 U	112	%	77-120	
Ethylbenzene	ug/L	21.884		25.000	1.000 U	88	%	75-125	
m&p-Xylenes	ug/L	47.420		50.000	2.000 U	95	%	75-123	
o-Xylene	ug/L	24.672		25.000	1.000 U	99	%	76-121	
Styrene	ug/L	19.569		25.000	1.000 U	78	%	77-128	
Bromoform	ug/L	28.970		25.000	1.000 U	116	%	65-115	*
Isopropylbenzene	ug/L	19.883		25.000	1.000 U	80	%	64-119	
Bromobenzene	ug/L	24.318		25.000	1.000 U	97	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.416		25.000	1.000 U	82	%	61-122	
1,2,3-Trichloropropane	ug/L	23.226		25.000	1.000 U	93	%	62-124	
n-Propylbenzene	ug/L	19.281		25.000	1.000 U	77	%	69-132	
2-Chlorotoluene	ug/L	23.538		25.000	1.000 U	94	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K06DSA	241470-1		11/06/2005	2323

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	22.518		25.000	1.000	U	90	%	70-132	
4-Chlorotoluene	ug/L	23.350		25.000	1.000	U	93	%	70-126	
tert-Butylbenzene	ug/L	21.789		25.000	1.000	U	87	%	70-133	
1,2,4-Trimethylbenzene	ug/L	22.620		25.000	1.000	U	90	%	71-131	
sec-Butylbenzene	ug/L	18.735		25.000	1.000	U	75	%	70-134	
p-Isopropyltoluene	ug/L	19.680		25.000	1.000	U	79	%	66-130	
n-Butylbenzene	ug/L	18.218		25.000	1.000	U	73	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.162		25.000	1.000	U	89	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.089		25.000	1.000	U	100	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K06DSA	241470-1		11/06/2005	2346

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164824

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.251	18.969	25.000	1.000 U	73	%	24-171	
						4	R	20	
Chloromethane	ug/L	20.092	20.481	25.000	1.000 U	80	%	31-182	
						2	R	20	
Vinyl chloride	ug/L	22.195	22.249	25.000	1.000 U	89	%	50-145	
						0	R	20	
Bromomethane	ug/L	29.852	19.029	25.000	1.000 U	119	%	31-188	
						44	R	20	*
Chloroethane	ug/L	25.869	18.930	25.000	1.000 U	103	%	58-148	
						30	R	20	*
Trichlorofluoromethane	ug/L	25.322	25.657	25.000	1.000 U	101	%	54-142	
						2	R	20	
1,1-Dichloroethene	ug/L	20.695	20.734	25.000	1.000 U	83	%	51-136	
						0	R	20	
Carbon disulfide	ug/L	17.363	17.208	25.000	5.000 U	69	%	21-111	
						0	R	20	
Acetone	ug/L	23.443	25.127	25.000	5.000 U	94	%	14-177	
						7	R	20	
Methylene chloride	ug/L	21.668	22.640	25.000	1.000 U	87	%	64-127	
						4	R	20	
trans-1,2-Dichloroethene	ug/L	22.206	22.433	25.000	1.000 U	89	%	62-138	
						1	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.384	26.912	25.000	1.000 U	102	%	55-142	
						6	R	20	
1,1-Dichloroethane	ug/L	22.342	22.917	25.000	1.000 U	89	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	27.105	26.492	25.000	1.000 U	108	%	68-127	
						2	R	20	
cis-1,2-Dichloroethene	ug/L	22.920	23.340	25.000	1.000 U	92	%	70-125	
						1	R	20	
2-Butanone (MEK)	ug/L	21.488	22.350	25.000	5.000 U	86	%	29-139	
						3	R	20	
Bromochloromethane	ug/L	25.280	26.758	25.000	1.000 U	101	%	57-116	
						6	R	20	
Chloroform	ug/L	26.241	27.470	25.000	1.000 U	105	%	75-122	
						5	R	20	
1,1,1-Trichloroethane	ug/L	28.298	28.716	25.000	1.000 U	113	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	21.596	22.187	25.000	1.000 U	86	%	70-125	
						3	R	20	
Carbon tetrachloride	ug/L	28.134	27.266	25.000	1.000 U	113	%	64-132	
						4	R	20	
Benzene	ug/L	20.920	21.205	25.000	1.000 U	84	%	75-122	
						1	R	20	
1,2-Dichloroethane	ug/L	25.518	26.839	25.000	1.000 U	102	%	67-120	
						5	R	20	
Trichloroethene	ug/L	23.242	23.702	25.000	1.000 U	93	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	20.190	20.006	25.000	1.000 U	81	%	76-116	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K06DSA	241470-1		11/06/2005	2346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.385	23.596	25.000	1.000 U	94	%	68-116	
						0	R	20	
Bromodichloromethane	ug/L	28.443	28.945	25.000	1.000 U	114	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	22.908	23.155	26.000	1.000 U	88	%	72-115	
						1	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	18.357	19.109	25.000	5.000 U	73	%	39-137	
						4	R	20	
Toluene	ug/L	22.771	22.864	25.000	1.000 U	91	%	77-120	
						0	R	20	
trans-1,3-Dichloropropene	ug/L	23.339	23.444	24.000	1.000 U	97	%	68-119	
						1	R	20	
1,1,2-Trichloroethane	ug/L	23.893	24.430	25.000	1.000 U	96	%	63-127	
						2	R	20	
Tetrachloroethene	ug/L	23.540	22.548	25.000	1.000 U	94	%	45-150	
						4	R	20	
1,3-Dichloropropane	ug/L	22.632	22.292	25.000	1.000 U	91	%	72-118	
						2	R	20	
2-Hexanone	ug/L	15.755	16.609	25.000	5.000 U	63	%	36-144	
						5	R	20	
Dibromochloromethane	ug/L	27.706	27.231	25.000	1.000 U	111	%	73-116	
						2	R	20	
1,2-Dibromoethane (EDB)	ug/L	23.410	24.432	25.000	1.000 U	94	%	62-123	
						4	R	20	
Chlorobenzene	ug/L	22.100	22.264	25.000	1.000 U	88	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	28.232	27.987	25.000	1.000 U	113	%	77-120	
						1	R	20	
Ethylbenzene	ug/L	21.775	21.884	25.000	1.000 U	87	%	75-125	
						1	R	20	
m&p-Xylenes	ug/L	47.802	47.420	50.000	2.000 U	96	%	75-123	
						1	R	20	
o-Xylene	ug/L	24.594	24.672	25.000	1.000 U	98	%	76-121	
						1	R	20	
Styrene	ug/L	20.322	19.569	25.000	1.000 U	81	%	77-128	
						4	R	20	
Bromoform	ug/L	27.800	28.970	25.000	1.000 U	111	%	65-115	
						4	R	20	
Isopropylbenzene	ug/L	20.187	19.883	25.000	1.000 U	81	%	64-119	
						1	R	20	
Bromobenzene	ug/L	24.927	24.318	25.000	1.000 U	100	%	76-118	
						3	R	20	
1,1,2,2-Tetrachloroethane	ug/L	20.489	20.416	25.000	1.000 U	82	%	61-122	
						0	R	20	
1,2,3-Trichloropropane	ug/L	24.396	23.226	25.000	1.000 U	98	%	62-124	
						5	R	20	
n-Propylbenzene	ug/L	19.208	19.281	25.000	1.000 U	77	%	69-132	
						0	R	20	
2-Chlorotoluene	ug/L	24.121	23.538	25.000	1.000 U	96	%	70-127	
						2	R	20	
1,3,5-Trimethylbenzene	ug/L	23.534	22.518	25.000	1.000 U	94	%	70-132	
						4	R	20	
4-Chlorotoluene	ug/L	23.859	23.350	25.000	1.000 U	95	%	70-126	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K06DSA	241470-1		11/06/2005	2346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.925	21.789	25.000	1.000	U	88	%	70-133	
							1	R	20	
1,2,4-Trimethylbenzene	ug/L	23.482	22.620	25.000	1.000	U	94	%	71-131	
							4	R	20	
sec-Butylbenzene	ug/L	19.090	18.735	25.000	1.000	U	76	%	70-134	
							1	R	20	
p-Isopropyltoluene	ug/L	20.388	19.680	25.000	1.000	U	82	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	18.730	18.218	25.000	1.000	U	75	%	64-142	
							3	R	20	
1,2-Dibromo-3-chloropropane	ug/L	21.652	22.162	25.000	1.000	U	87	%	57-119	
							2	R	20	
1,2,3-Trichlorobenzene	ug/L	24.881	25.089	25.000	1.000	U	100	%	66-124	
							0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 — Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K11DSA	165344-006		11/11/2005	1035

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 165346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	19.751		25.000	1.000 U	79	%	24-171	
Chloromethane	ug/L	18.929		25.000	1.000 U	76	%	31-182	
Vinyl chloride	ug/L	22.630		25.000	1.000 U	91	%	50-145	
Bromomethane	ug/L	35.707		25.000	1.000 U	143	%	31-188	
Chloroethane	ug/L	27.952		25.000	1.000 U	112	%	58-148	
Trichlorofluoromethane	ug/L	22.742		25.000	1.000 U	91	%	54-142	
1,1-Dichloroethene	ug/L	26.331		25.000	1.000 U	105	%	51-136	
Carbon disulfide	ug/L	21.320		25.000	5.000 U	85	%	21-111	
Acetone	ug/L	32.968		25.000	5.000 U	132	%	14-177	
Methylene chloride	ug/L	22.614		25.000	1.000 U	90	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.901		25.000	1.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.401		25.000	1.000 U	114	%	55-142	
1,1-Dichloroethane	ug/L	26.233		25.000	1.000 U	105	%	70-124	
2,2-Dichloropropane	ug/L	32.635		25.000	1.000 U	131	%	68-127	*
cis-1,2-Dichloroethene	ug/L	25.609		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	27.395		25.000	5.000 U	110	%	29-139	
Bromochloromethane	ug/L	21.363		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	25.703		25.000	1.000 U	103	%	75-122	
1,1,1-Trichloroethane	ug/L	27.488		25.000	1.000 U	110	%	70-127	
1,1-Dichloropropene	ug/L	23.619		25.000	1.000 U	94	%	70-125	
Carbon tetrachloride	ug/L	30.088		25.000	1.000 U	120	%	64-132	
Benzene	ug/L	23.619		25.000	1.000 U	94	%	75-122	
1,2-Dichloroethane	ug/L	28.059		25.000	1.000 U	112	%	67-120	
Trichloroethene	ug/L	22.794		25.000	1.000 U	91	%	70-125	
1,2-Dichloropropane	ug/L	25.551		25.000	1.000 U	102	%	76-116	
Dibromomethane	ug/L	21.606		25.000	1.000 U	86	%	68-116	
Bromodichloromethane	ug/L	28.711		25.000	1.000 U	115	%	75-125	
cis-1,3-Dichloropropene	ug/L	26.709		26.000	1.000 U	103	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.400		25.000	5.000 U	94	%	39-137	
Toluene	ug/L	23.377		25.000	1.000 U	94	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.987		24.000	1.000 U	108	%	68-119	
1,1,2-Trichloroethane	ug/L	25.692		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	24.672		25.000	1.000 U	99	%	45-150	
1,3-Dichloropropane	ug/L	26.286		25.000	1.000 U	105	%	72-118	
2-Hexanone	ug/L	25.980		25.000	5.000 U	104	%	36-144	
Dibromochloromethane	ug/L	25.136		25.000	1.000 U	101	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	26.202		25.000	1.000 U	105	%	62-123	
Chlorobenzene	ug/L	22.514		25.000	1.000 U	90	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.506		25.000	1.000 U	102	%	77-120	
Ethylbenzene	ug/L	25.228		25.000	1.000 U	101	%	75-125	
m&p-Xylenes	ug/L	49.583		50.000	2.000 U	99	%	75-123	
o-Xylene	ug/L	25.754		25.000	1.000 U	103	%	76-121	
Styrene	ug/L	25.025		25.000	1.000 U	100	%	77-128	
Bromoform	ug/L	24.312		25.000	1.000 U	97	%	65-115	
Isopropylbenzene	ug/L	20.964		25.000	1.000 U	84	%	64-119	
Bromobenzene	ug/L	21.657		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.834		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	25.583		25.000	1.000 U	102	%	62-124	
n-Propylbenzene	ug/L	22.746		25.000	1.000 U	91	%	69-132	
2-Chlorotoluene	ug/L	23.252		25.000	1.000 U	93	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K11DSA	165344-006		11/11/2005	1035

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.942		25.000	1.000 U	96	%	70-132	
4-Chlorotoluene	ug/L	22.666		25.000	1.000 U	91	%	70-126	
tert-Butylbenzene	ug/L	24.978		25.000	1.000 U	100	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.428		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	23.136		25.000	1.000 U	93	%	70-134	
p-Isopropyltoluene	ug/L	23.757		25.000	1.000 U	95	%	66-130	
n-Butylbenzene	ug/L	22.964		25.000	1.000 U	92	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	24.828		25.000	1.000 U	99	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.119		25.000	1.000 U	100	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 — Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165344-005		11/11/2005	1011

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 165346

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165344-005		11/11/2005	1011

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1		164072-019		11/07/2005	1101

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 165459

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1		164072-019		11/07/2005	1101

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K07DSX	164914-002		11/07/2005	1012

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 165459

Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	39.152		50.000	5.000 U	78	%	39-159	
Chloromethane, Solid	ug/Kg	45.564		50.000	5.000 U	91	%	42-180	
Vinyl chloride, Solid	ug/Kg	46.205		50.000	5.000 U	92	%	60-125	
Bromomethane, Solid	ug/Kg	42.595		50.000	5.000 U	85	%	39-165	
Chloroethane, Solid	ug/Kg	47.329		50.000	5.000 U	95	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	49.144		50.000	5.000 U	98	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	43.293		50.000	5.000 U	87	%	47-141	
Carbon disulfide, Solid	ug/Kg	34.862		50.000	5.000 U	70	%	22-118	
Acetone, Solid	ug/Kg	61.183		50.000	5.000 U	122	%	50-176	
Methylene chloride, Solid	ug/Kg	41.945		50.000	5.000 U	84	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	45.717		50.000	5.000 U	91	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	48.462		50.000	5.000 U	97	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	45.728		50.000	5.000 U	91	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.579		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	48.982		50.000	5.000 U	98	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	48.177		50.000	5.000 U	96	%	41-166	
Bromochloromethane, Solid	ug/Kg	49.659		50.000	5.000 U	99	%	61-122	
Chloroform, Solid	ug/Kg	47.308		50.000	5.000 U	95	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	48.134		50.000	5.000 U	96	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	46.428		50.000	5.000 U	93	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	47.292		50.000	5.000 U	95	%	67-130	
Benzene, Solid	ug/Kg	47.833		50.000	5.000 U	96	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.394		50.000	5.000 U	95	%	72-134	
Trichloroethene, Solid	ug/Kg	48.850		50.000	5.000 U	98	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	47.104		50.000	5.000 U	94	%	76-124	
Dibromomethane, Solid	ug/Kg	48.317		50.000	5.000 U	97	%	75-122	
Bromodichloromethane, Solid	ug/Kg	51.720		50.000	5.000 U	103	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	46.617		52.000	5.000 U	90	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	53.130		50.000	5.000 U	106	%	57-144	
Toluene, Solid	ug/Kg	47.020		50.000	5.000 U	94	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	44.364		48.000	5.000 U	92	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	51.064		50.000	5.000 U	102	%	79-133	
Tetrachloroethene, Solid	ug/Kg	43.897		50.000	5.000 U	88	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	46.277		50.000	5.000 U	93	%	81-123	
2-Hexanone, Solid	ug/Kg	48.255		50.000	5.000 U	97	%	57-148	
Dibromochloromethane, Solid	ug/Kg	46.130		50.000	5.000 U	92	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.678		50.000	5.000 U	103	%	77-123	
Chlorobenzene, Solid	ug/Kg	46.254		50.000	5.000 U	93	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	48.016		50.000	5.000 U	96	%	78-126	
Ethylbenzene, Solid	ug/Kg	47.646		50.000	5.000 U	95	%	73-121	
m&p-Xylenes, Solid	ug/Kg	95.752		100.000	10.000 U	96	%	73-122	
o-Xylene, Solid	ug/Kg	48.207		50.000	5.000 U	96	%	75-120	
Styrene, Solid	ug/Kg	49.757		50.000	5.000 U	100	%	76-124	
Bromoform, Solid	ug/Kg	47.061		50.000	5.000 U	94	%	72-132	
Isopropylbenzene, Solid	ug/Kg	44.497		50.000	5.000 U	89	%	59-114	
Bromobenzene, Solid	ug/Kg	47.750		50.000	5.000 U	95	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	48.249		50.000	5.000 U	96	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	49.207		50.000	5.000 U	98	%	75-126	
n-Propylbenzene, Solid	ug/Kg	48.210		50.000	5.000 U	96	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	48.232		50.000	5.000 U	96	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K07DSX	164914-002		11/07/2005	1012

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	49.805		50.000	5.000 U	100	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	46.639		50.000	5.000 U	93	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	49.210		50.000	5.000 U	98	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	48.952		50.000	5.000 U	98	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	49.384		50.000	5.000 U	99	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	48.486		50.000	5.000 U	97	%	65-121	
n-Butylbenzene, Solid	ug/Kg	49.010		50.000	5.000 U	98	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	46.968		50.000	5.000 U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	43.456		50.000	5.000 U	87	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	47.697		50.000	5.000 U	95	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164914-001		11/07/2005	0946

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 165459

Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164914-001		11/07/2005	0946

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K1ODSA	165291-027		11/10/2005	1835

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 165514

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.620	24.588	25.000	1.000 U	102	%	24-171	
						4	R	20	
Chloromethane	ug/L	23.126	21.999	25.000	1.000 U	93	%	31-182	
						5	R	20	
Vinyl chloride	ug/L	25.354	24.816	25.000	1.000 U	101	%	50-145	
						2	R	20	
Bromomethane	ug/L	37.218	44.128	25.000	1.000 U	149	%	31-188	
						17	R	20	
Chloroethane	ug/L	25.096	30.296	25.000	1.000 U	100	%	58-148	
						19	R	20	
Trichlorofluoromethane	ug/L	28.715	28.974	25.000	1.000 U	115	%	54-142	
						1	R	20	
1,1-Dichloroethene	ug/L	22.744	23.119	25.000	1.000 U	91	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	16.488	16.764	25.000	5.000 U	66	%	21-111	
						2	R	20	
Acetone	ug/L	20.550	18.764	25.000	5.000 U	82	%	14-177	
						9	R	20	
Methylene chloride	ug/L	23.578	22.098	25.000	1.000 U	94	%	64-127	
						6	R	20	
trans-1,2-Dichloroethene	ug/L	23.455	23.459	25.000	1.000 U	94	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.908	27.176	25.000	1.000 U	116	%	55-142	
						6	R	20	
1,1-Dichloroethane	ug/L	25.752	25.871	25.000	1.000 U	103	%	70-124	
						0	R	20	
2,2-Dichloropropane	ug/L	27.634	32.469	25.000	1.000 U	111	%	68-127	
						16	R	20	
cis-1,2-Dichloroethene	ug/L	25.466	24.368	25.000	1.000 U	102	%	70-125	
						4	R	20	
2-Butanone (MEK)	ug/L	23.061	19.929	25.000	5.000 U	92	%	29-139	
						15	R	20	
Bromochloromethane	ug/L	22.617	20.788	25.000	1.000 U	90	%	57-116	
						8	R	20	
Chloroform	ug/L	27.114	26.776	25.000	1.000 U	108	%	75-122	
						1	R	20	
1,1,1-Trichloroethane	ug/L	27.574	28.134	25.000	1.000 U	110	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	23.302	23.255	25.000	1.000 U	93	%	70-125	
						0	R	20	
Carbon tetrachloride	ug/L	28.231	30.418	25.000	1.000 U	113	%	64-132	
						7	R	20	
Benzene	ug/L	21.753	21.857	25.000	1.000 U	87	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	28.527	28.314	25.000	1.000 U	114	%	67-120	
						1	R	20	
Trichloroethene	ug/L	21.074	21.014	25.000	1.000 U	84	%	70-125	
						0	R	20	
1,2-Dichloropropane	ug/L	24.404	24.513	25.000	1.000 U	98	%	76-116	
						0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K10DSA	165291-027		11/10/2005	1835

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	22.227	21.521	25.000	1.000 U	89	%	68-116	
						3	R	20	
Bromodichloromethane	ug/L	28.663	28.835	25.000	1.000 U	115	%	75-125	
						1	R	20	
cis-1,3-Dichloropropene	ug/L	23.658	25.446	26.000	1.000 U	91	%	72-115	
						7	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.529	21.474	25.000	5.000 U	90	%	39-137	
						5	R	20	
Toluene	ug/L	22.293	22.488	25.000	1.000 U	89	%	77-120	
						1	R	20	
trans-1,3-Dichloropropene	ug/L	24.017	25.586	24.000	1.000 U	100	%	68-119	
						6	R	20	
1,1,2-Trichloroethane	ug/L	26.980	25.434	25.000	1.000 U	108	%	63-127	
						6	R	20	
Tetrachloroethene	ug/L	22.100	23.762	25.000	1.000 U	88	%	45-150	
						7	R	20	
1,3-Dichloropropane	ug/L	25.031	25.859	25.000	1.000 U	100	%	72-118	
						3	R	20	
2-Hexanone	ug/L	21.367	21.172	25.000	5.000 U	85	%	36-144	
						1	R	20	
Dibromochloromethane	ug/L	25.591	26.152	25.000	1.000 U	102	%	73-116	
						2	R	20	
1,2-Dibromoethane (EDB)	ug/L	25.167	24.946	25.000	1.000 U	101	%	62-123	
						1	R	20	
Chlorobenzene	ug/L	21.931	22.179	25.000	1.000 U	88	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.241	25.064	25.000	1.000 U	101	%	77-120	
						1	R	20	
Ethylbenzene	ug/L	23.649	24.760	25.000	1.000 U	95	%	75-125	
						5	R	20	
m&p-Xylenes	ug/L	47.601	50.594	50.000	2.000 U	95	%	75-123	
						6	R	20	
o-Xylene	ug/L	24.499	25.570	25.000	1.000 U	98	%	76-121	
						4	R	20	
Styrene	ug/L	23.963	25.181	25.000	1.000 U	96	%	77-128	
						5	R	20	
Bromoform	ug/L	24.601	24.621	25.000	1.000 U	98	%	65-115	
						0	R	20	
Isopropylbenzene	ug/L	20.718	20.871	25.000	1.000 U	83	%	64-119	
						1	R	20	
Bromobenzene	ug/L	21.739	21.943	25.000	1.000 U	87	%	76-118	
						1	R	20	
1,1,2,2-Tetrachloroethane	ug/L	22.783	22.669	25.000	1.000 U	91	%	61-122	
						1	R	20	
1,2,3-Trichloropropane	ug/L	25.311	26.310	25.000	1.000 U	101	%	62-124	
						4	R	20	
n-Propylbenzene	ug/L	21.923	23.017	25.000	1.000 U	88	%	69-132	
						5	R	20	
2-Chlorotoluene	ug/L	23.180	23.311	25.000	1.000 U	93	%	70-127	
						1	R	20	
1,3,5-Trimethylbenzene	ug/L	23.217	23.545	25.000	1.000 U	93	%	70-132	
						1	R	20	
4-Chlorotoluene	ug/L	21.875	22.592	25.000	1.000 U	88	%	70-126	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K10BSA	165291-027		11/10/2005	1835

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	24.514	24.319	25.000	1.000	U	98	%	70-133	
							1	R	20	
1,2,4-Trimethylbenzene	ug/L	22.624	23.379	25.000	1.000	U	90	%	71-131	
							3	R	20	
sec-Butylbenzene	ug/L	22.890	23.172	25.000	1.000	U	92	%	70-134	
							1	R	20	
p-Isopropyltoluene	ug/L	22.982	23.954	25.000	1.000	U	92	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	21.474	23.299	25.000	1.000	U	86	%	64-142	
							8	R	20	
1,2-Dibromo-3-chloropropane	ug/L	27.492	26.865	25.000	1.000	U	110	%	57-119	
							2	R	20	
1,2,3-Trichlorobenzene	ug/L	23.885	24.140	25.000	1.000	U	96	%	66-124	
							1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165291-026		11/10/2005	0832

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 165514

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.588		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	21.999		25.000	1.000 U	88	%	31-182	
Vinyl chloride	ug/L	24.816		25.000	1.000 U	99	%	50-145	
Bromomethane	ug/L	44.128		25.000	1.000 U	177	%	31-188	
Chloroethane	ug/L	30.296		25.000	1.000 U	121	%	58-148	
Trichlorofluoromethane	ug/L	28.974		25.000	1.000 U	116	%	54-142	
1,1-Dichloroethene	ug/L	23.119		25.000	1.000 U	92	%	51-136	
Carbon disulfide	ug/L	16.764		25.000	5.000 U	67	%	21-111	
Acetone	ug/L	18.764		25.000	5.000 U	75	%	14-177	
Methylene chloride	ug/L	22.098		25.000	1.000 U	88	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.459		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.176		25.000	1.000 U	109	%	55-142	
1,1-Dichloroethane	ug/L	25.871		25.000	1.000 U	103	%	70-124	
2,2-Dichloropropane	ug/L	32.469		25.000	1.000 U	130	%	68-127	*
cis-1,2-Dichloroethene	ug/L	24.368		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	19.929		25.000	5.000 U	80	%	29-139	
Bromochloromethane	ug/L	20.788		25.000	1.000 U	83	%	57-116	
Chloroform	ug/L	26.776		25.000	1.000 U	107	%	75-122	
1,1,1-Trichloroethane	ug/L	28.134		25.000	1.000 U	113	%	70-127	
1,1-Dichloropropene	ug/L	23.255		25.000	1.000 U	93	%	70-125	
Carbon tetrachloride	ug/L	30.418		25.000	1.000 U	122	%	64-132	
Benzene	ug/L	21.857		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	28.314		25.000	1.000 U	113	%	67-120	
Trichloroethene	ug/L	21.014		25.000	1.000 U	84	%	70-125	
1,2-Dichloropropane	ug/L	24.513		25.000	1.000 U	98	%	76-116	
Dibromomethane	ug/L	21.521		25.000	1.000 U	86	%	68-116	
Bromodichloromethane	ug/L	28.835		25.000	1.000 U	115	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.446		26.000	1.000 U	98	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.474		25.000	5.000 U	86	%	39-137	
Toluene	ug/L	22.488		25.000	1.000 U	90	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.586		24.000	1.000 U	107	%	68-119	
1,1,2-Trichloroethane	ug/L	25.434		25.000	1.000 U	102	%	63-127	
Tetrachloroethene	ug/L	23.762		25.000	1.000 U	95	%	45-150	
1,3-Dichloropropane	ug/L	25.859		25.000	1.000 U	103	%	72-118	
2-Hexanone	ug/L	21.172		25.000	5.000 U	85	%	36-144	
Dibromochloromethane	ug/L	26.152		25.000	1.000 U	105	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.946		25.000	1.000 U	100	%	62-123	
Chlorobenzene	ug/L	22.179		25.000	1.000 U	89	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.064		25.000	1.000 U	100	%	77-120	
Ethylbenzene	ug/L	24.760		25.000	1.000 U	99	%	75-125	
m&p-Xylenes	ug/L	50.594		50.000	2.000 U	101	%	75-123	
o-Xylene	ug/L	25.570		25.000	1.000 U	102	%	76-121	
Styrene	ug/L	25.181		25.000	1.000 U	101	%	77-128	
Bromoform	ug/L	24.621		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	20.871		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	21.943		25.000	1.000 U	88	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.669		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	26.310		25.000	1.000 U	105	%	62-124	
n-Propylbenzene	ug/L	23.017		25.000	1.000 U	92	%	69-132	
2-Chlorotoluene	ug/L	23.311		25.000	1.000 U	93	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165291-026		11/10/2005	0832

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.545		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	22.592		25.000	1.000 U	90	%	70-126	
tert-Butylbenzene	ug/L	24.319		25.000	1.000 U	97	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.379		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	23.172		25.000	1.000 U	93	%	70-134	
p-Isopropyltoluene	ug/L	23.954		25.000	1.000 U	96	%	66-130	
n-Butylbenzene	ug/L	23.299		25.000	1.000 U	93	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	26.865		25.000	1.000 U	107	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.140		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165291-025		11/10/2005	0807

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 165514

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165291-025		11/10/2005	0807

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U						
4-Chlorotoluene	ug/L	1.000	U						
tert-Butylbenzene	ug/L	1.000	U						
1,2,4-Trimethylbenzene	ug/L	1.000	U						
sec-Butylbenzene	ug/L	1.000	U						
p-Isopropyltoluene	ug/L	1.000	U						
n-Butylbenzene	ug/L	1.000	U						
1,2-Dibromo-3-chloropropane	ug/L	1.000	U						
1,2,3-Trichlorobenzene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids

Batch.....: 164131
Equipment Code....:

Analyst...: pfk
Test Code..: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164131-001		%	0.1000 U								10/31/2005	1039
MD	241470-13		%	66.90000			66.90000	0.0		R	5.0	10/31/2005	1046

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Gumas
Company: HGL
Address: 313 Ushers Rd
Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EGumas@HGL.com

Bill To:
Contact:
Company:
Address: Same
Phone:
Fax:
PO#: 014004-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 241470

Package Sealed	Samples Sealed
Yes / No	Yes / No
Received on Ice	**Samples Intact**
Yes / No	Yes / No

Temperature °C of Cooler 3.9

Within Hold Time	Preserv. Indicated
Yes / No	Yes / No / NA
pH Check OK	**Res Cl_2 Check OK**
Yes / No / NA	Yes / No / NA

Sample Labels and COC Agree
Yes / No — COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: Bedsampling GW Plume Delineation
Project Number: 014004-001
Project Location: MCA Barracks, Huntsville
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	VOCs Gases 8260B	Moisture	Additional Analyses / Remarks
		Refrg #									
		# / Cont.					3	3	3	1	
		Volume					40ml	40ml	5G	4oz	
		Preserv					HCl	HCl	NONE	NONE	
1		MCA-SW001-1005	10-28-05	1310	W	G	X				
2		MCA-SW002-1005		1255							
3		MCA-SW003-1005		1240							
4		MCA-SW004-1005		1355							
5		MCA-SW005-1005		1325							
6		MCA-SW006-1005		1340							
1	MS	MCA-SW001MS-1005		1310							
1	MSD	MCA-SW001MSD-1005	↓	1310			↓				
7		TB102805	10-28-05	1840				X			
8		EB102805		1500			X				
9		MCA-SWDUP101-1005		0916	↓	↓	↓				
10		MCA-SD004-1005	↓	1400	S	C			X	X	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-28-05	1845		STL	10/29/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Moisture current - 2 on 4 oz jars

Date Received 10, 29, 05
Courier: FX **Hand Delivered**
Bill of Lading see attach

STL Chicago is a part of Severn Trent Laboratories, Inc.

STL-8208 (0600)

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: 313 Ushers Rd, Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0411
E-Mail: Evans@HGL.com

Bill To:
Contact:
Company: Same
Address:
Phone:
Fax:
PO#: OM4001-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 241470

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: Pond Sampling GW Plume Delineation
Project Number: OM4001-001
Project Location: MCA Barracks, Hunter AAF
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	Moisture	Additional Analyses / Remarks
11		MCA-SD003-1005	10-28-05	1245	S	C	X	X	
12		MCA-SD002-1005		1300					
13		MCA-SD001-1005		1315					
14		MCA-SD005-1005		1330					
15		MCA-SD006-1005		1345					
13		MCA-SDMS101-1005		1315					
1		MCA-SDMSD101-1005		1315					
12 5016		MCA-SDDup101-1005	↓	0916	↓	↓	↓	↓	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-28-05	1845		STL	10/29/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Moisture Content - 20% 9%

Date Received 10/29/05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241470

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/14/2005

Linda S Mackley
Signature

11-14-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (88) Pages

SEVERN TRENT STL

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www.stl-inc.com

Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc./OMA009-001
Hunter AAF
Job Number: 241470
VOA DATA:

1. All samples were analyzed within the required hold-time.

2. The MB (Method Blank) and EB (5035 extraction blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) samples had all five control spike recoveries within the QC limits.

4. The MS/MSD (Matrix Spike/Matrix Spike Duplicate) for sample 1 had all five control spike recoveries and RPD values within the QC limits. The MS/MSD for sample 13 did not provide usable data due to an instrument malfunction. Due to insufficient sample, a re-analysis could not be performed.

5. Samples 1, 2, 4, 5, MB (prep 164819) and MB (prep 165291)had one surrogate recovery above the QC limits and sample 3, 9, 1 MS and LCD (prep 165291) had two surrogate recovery limits above the QC limits. Samples 1, 2, 3, 4 & 5 were re-analyzed, again with the surrogate recoveries above the QC limits. Sample 9 was re-analyzed past the hold time by 3:15 hours with acceptable surrogate recoveries. No further corrective action was required and the original analyses were reported for 1, 2, 4, 5 and 9. All other samples had all surrogate recoveries within the QC limits. The soil LCS had one surrogate recovery below the QC limits and the EB had four surrogate recoveries below the QC limits. No corrective action was required.

6. The samples were prepared and analyzed following SW846 Methods 5030, 5035 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

Gary Rynkar
GC/MS Section Manager

11/14/5
Date

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S A M P L E I N F O R M A T I O N
Date: 11/14/2005

Job Number.: 241470
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241470-1	MCA-SW001-1005	Water	10/28/2005	13:10	10/29/2005	09:40
241470-2	MCA-SW002-1005	Water	10/28/2005	12:55	10/29/2005	09:40
241470-3	MCA-SW003-1005	Water	10/28/2005	12:40	10/29/2005	09:40
241470-4	MCA-SW004-1005	Water	10/28/2005	13:55	10/29/2005	09:40
241470-5	MCA-SW005-1005	Water	10/28/2005	13:25	10/29/2005	09:40
241470-6	MCA-SW006-1005	Water	10/28/2005	13:40	10/29/2005	09:40
241470-7	TB102805	Water	10/28/2005	18:40	10/29/2005	09:40
241470-8	EB102805	Water	10/28/2005	15:00	10/29/2005	09:40
241470-9	MCA-SWDUP101-1005	Water	10/28/2005	09:16	10/29/2005	09:40
241470-10	MCA-SD004-1005	Soil	10/28/2005	14:00	10/29/2005	09:40
241470-11	MCA-SD003-1005	Soil	10/28/2005	12:45	10/29/2005	09:40
241470-12	MCA-SD002-1005	Soil	10/28/2005	13:00	10/29/2005	09:40
241470-13	MCA-SD001-1005	Soil	10/28/2005	13:15	10/29/2005	09:40
241470-14	MCA-SD005-1005	Soil	10/28/2005	13:30	10/29/2005	09:40
241470-15	MCA-SD006-1005	Soil	10/28/2005	13:45	10/29/2005	09:40
241470-16	MCA-SDDUP101-1005	Soil	10/28/2005	09:16	10/29/2005	09:40

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 241470-1
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 241470-1
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 241470-1
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/06/05 2301	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-SW002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-2
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-2
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-2
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-3
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-SW003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-3
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-3
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0032	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-4
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-4
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241470-4
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0054	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 241470-5
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 241470-5
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	*	0.33	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 241470-5
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164824		11/07/05 0117	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-6
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-6
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SW006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-6
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165346		11/11/05 1128	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 18:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-7
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 18:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-7
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 18:40
Sample Matrix.....: Water

Laboratory Sample ID: 241470-7
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165346		11/11/05 1152	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OHA009-001 ATTN: Eric Evans

Customer Sample ID: EB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241470-8
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Acetone	5.6		H	1.4	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Methylene chloride	1.4			0.24	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241470-8
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn

* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102805
Date Sampled.....: 10/28/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241470-8
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165346		11/11/05 1216	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SWDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Water

Laboratory Sample ID: 241470-9
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Methylene chloride	4.9			0.24	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SWDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Water

Laboratory Sample ID: 241470-9
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241470

LABORATORY TEST RESULTS

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SWDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Water

Laboratory Sample ID: 241470-9
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165514		11/10/05 1434	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-10
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	58.6			0.10	0.10	1	%	164131		10/31/05 1042	pfk
	% Moisture, Solid	41.4			0.10	0.10	1	%	164131		10/31/05 1042	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	7.9	U		1.5	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chloromethane, Solid*	7.9	U		2.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Vinyl chloride, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromomethane, Solid*	7.9	U		4.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chloroethane, Solid*	7.9	U		4.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Trichlorofluoromethane, Solid*	7.9	U		2.4	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1-Dichloroethene, Solid*	7.9	U		2.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Carbon disulfide, Solid*	7.9	U		1.6	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Acetone, Solid*	62			6.8	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Methylene chloride, Solid*	7.9	U		2.5	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	trans-1,2-Dichloroethene, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.9	U		0.87	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1-Dichloroethane, Solid*	7.9	U		0.93	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2,2-Dichloropropane, Solid*	7.9	U		2.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	cis-1,2-Dichloroethene, Solid*	7.9	U		0.88	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2-Butanone (MEK), Solid*	18			3.5	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromochloromethane, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chloroform, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,1-Trichloroethane, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1-Dichloropropene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Carbon tetrachloride, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Benzene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dichloroethane, Solid*	7.9	U		0.87	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Trichloroethene, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-10
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.9	U		0.87	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Dibromomethane, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromodichloromethane, Solid*	7.9	U		0.90	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	cis-1,3-Dichloropropene, Solid*	7.9	U		0.91	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Toluene, Solid*	7.9	U		2.7	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	trans-1,3-Dichloropropene, Solid*	7.9	U		0.94	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,2-Trichloroethane, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Tetrachloroethene, Solid*	7.9	U		1.4	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,3-Dichloropropane, Solid*	7.9	U		0.96	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2-Hexanone, Solid*	7.9	U		1.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Dibromochloromethane, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dibromoethane (EDB), Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Chlorobenzene, Solid*	7.9	U		0.88	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.9	U		0.94	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Ethylbenzene, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	m&p-Xylenes, Solid*	16	U		1.9	16	1.00000	ug/Kg	165459		11/07/05 1557	ges
	o-Xylene, Solid*	7.9	U		0.98	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Styrene, Solid*	7.9	U		0.98	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromoform, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Isopropylbenzene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	Bromobenzene, Solid*	7.9	U		0.77	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2,3-Trichloropropane, Solid*	7.9	U		1.9	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	n-Propylbenzene, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	2-Chlorotoluene, Solid*	7.9	U		1.0	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,3,5-Trimethylbenzene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	4-Chlorotoluene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	tert-Butylbenzene, Solid*	7.9	U		1.2	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD004-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-10
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	sec-Butylbenzene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	p-Isopropyltoluene, Solid*	7.9	U		1.3	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	n-Butylbenzene, Solid*	7.9	U		1.7	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dichlorobenzene, Solid*	7.9	U		1.1	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.9	U		2.4	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges
	1,2,3-Trichlorobenzene, Solid*	7.9	U		1.7	7.9	1.00000	ug/Kg	165459		11/07/05 1557	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-11
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	61.4			0.10	0.10	1	%	164131		10/31/05 1043	pfk
	% Moisture, Solid	38.6			0.10	0.10	1	%	164131		10/31/05 1043	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	11			1.4	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chloromethane, Solid*	7.5	U		2.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Vinyl chloride, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromomethane, Solid*	7.5	U		4.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chloroethane, Solid*	7.5	U		4.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Trichlorofluoromethane, Solid*	7.5	U		2.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1-Dichloroethene, Solid*	7.5	U		2.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Carbon disulfide, Solid*	7.5	U		1.5	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Acetone, Solid*	78			6.5	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Methylene chloride, Solid*	7.5	U		2.4	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	trans-1,2-Dichloroethene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.5	U		0.83	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1-Dichloroethane, Solid*	7.5	U		0.89	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2,2-Dichloropropane, Solid*	7.5	U		2.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	cis-1,2-Dichloroethene, Solid*	7.5	U		0.84	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2-Butanone (MEK), Solid*	13			3.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromochloromethane, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chloroform, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,1-Trichloroethane, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1-Dichloropropene, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Carbon tetrachloride, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Benzene, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dichloroethane, Solid*	7.5	U		0.83	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Trichloroethene, Solid*	7.5	U		0.99	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-11
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.5	U		0.83	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Dibromomethane, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromodichloromethane, Solid*	7.5	U		0.86	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	cis-1,3-Dichloropropene, Solid*	7.5	U		0.87	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Toluene, Solid*	7.5	U		2.6	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	trans-1,3-Dichloropropene, Solid*	7.5	U		0.90	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,2-Trichloroethane, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Tetrachloroethene, Solid*	7.5	U		1.4	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,3-Dichloropropane, Solid*	7.5	U		0.92	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2-Hexanone, Solid*	7.5	U		1.8	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Dibromochloromethane, Solid*	7.5	U		0.98	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dibromoethane (EDB), Solid*	7.5	U		0.96	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Chlorobenzene, Solid*	7.5	U		0.84	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.5	U		0.90	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Ethylbenzene, Solid*	7.5	U		0.96	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	m&p-Xylenes, Solid*	15	U		1.8	15	1.00000	ug/Kg	165459		11/07/05 1623	ges
	o-Xylene, Solid*	7.5	U		0.93	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Styrene, Solid*	7.5	U		0.93	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromoform, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Isopropylbenzene, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	Bromobenzene, Solid*	7.5	U		0.74	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2,3-Trichloropropane, Solid*	7.5	U		1.8	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	n-Propylbenzene, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	2-Chlorotoluene, Solid*	7.5	U		0.99	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,3,5-Trimethylbenzene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	4-Chlorotoluene, Solid*	7.5	U		1.0	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	tert-Butylbenzene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD003-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 12:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-11
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.5	U		1.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	sec-Butylbenzene, Solid*	7.5	U		1.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	p-Isopropyltoluene, Solid*	7.5	U		1.2	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	n-Butylbenzene, Solid*	7.5	U		1.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dichlorobenzene, Solid*	7.5	U		1.1	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.5	U		2.3	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges
	1,2,3-Trichlorobenzene, Solid*	7.5	U		1.7	7.5	1.00000	ug/Kg	165459		11/07/05 1623	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-12
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	72.5			0.10	0.10	1	%	164131		10/31/05 1044	pfk
	% Moisture, Solid	27.5			0.10	0.10	1	%	164131		10/31/05 1044	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.4	U		1.2	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chloromethane, Solid*	6.4	U		1.7	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Vinyl chloride, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromomethane, Solid*	6.4	U		4.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chloroethane, Solid*	6.4	U		4.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Trichlorofluoromethane, Solid*	6.4	U		1.9	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1-Dichloroethene, Solid*	6.4	U		1.7	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Carbon disulfide, Solid*	6.4	U		1.3	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Acetone, Solid*	44			5.5	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Methylene chloride, Solid*	6.4	U		2.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	trans-1,2-Dichloroethene, Solid*	6.4	U		0.98	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.4	U		0.70	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1-Dichloroethane, Solid*	6.4	U		0.75	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2,2-Dichloropropane, Solid*	6.4	U		1.8	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	cis-1,2-Dichloroethene, Solid*	6.4	U		0.72	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2-Butanone (MEK), Solid*	9.1			2.8	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromochloromethane, Solid*	6.4	U		0.96	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chloroform, Solid*	6.4	U		0.87	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,1-Trichloroethane, Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1-Dichloropropene, Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Carbon tetrachloride, Solid*	6.4	U		0.93	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Benzene, Solid*	6.4	U		0.88	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dichloroethane, Solid*	6.4	U		0.70	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Trichloroethene, Solid*	6.4	U		0.84	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-12
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.4	U		0.70	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Dibromomethane, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromodichloromethane, Solid*	6.4	U		0.73	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	cis-1,3-Dichloropropene, Solid*	6.4	U		0.74	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Toluene, Solid*	6.4	U		2.2	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	trans-1,3-Dichloropropene, Solid*	6.4	U		0.77	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,2-Trichloroethane, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Tetrachloroethene, Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,3-Dichloropropane, Solid*	6.4	U		0.78	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2-Hexanone, Solid*	6.4	U		1.5	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Dibromochloromethane, Solid*	6.4	U		0.83	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dibromoethane (EDB), Solid*	6.4	U		0.82	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Chlorobenzene, Solid*	6.4	U		0.72	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.4	U		0.77	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Ethylbenzene, Solid*	6.4	U		0.82	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	m&p-Xylenes, Solid*	13	U		1.5	13	1.00000	ug/Kg	165459		11/07/05 1649	ges
	o-Xylene, Solid*	6.4	U		0.79	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Styrene, Solid*	6.4	U		0.79	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromoform, Solid*	6.4	U		0.95	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Isopropylbenzene, Solid*	6.4	U		0.87	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	Bromobenzene, Solid*	6.4	U		0.63	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.4	U		0.91	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2,3-Trichloropropane, Solid*	6.4	U		1.5	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	n-Propylbenzene, Solid*	6.4	U		0.95	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	2-Chlorotoluene, Solid*	6.4	U		0.84	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,3,5-Trimethylbenzene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	4-Chlorotoluene, Solid*	6.4	U		0.88	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	tert-Butylbenzene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD002-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-12
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	sec-Butylbenzene, Solid*	6.4	U		1.1	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	p-Isopropyltoluene, Solid*	6.4	U		1.0	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	n-Butylbenzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dichlorobenzene, Solid*	6.4	U		0.92	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.4	U		1.9	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges
	1,2,3-Trichlorobenzene, Solid*	6.4	U		1.4	6.4	1.00000	ug/Kg	165459		11/07/05 1649	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-13
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	66.9			0.10	0.10	1	%	164131		10/31/05 1045	pfk
	% Moisture, Solid	33.1			0.10	0.10	1	%	164131		10/31/05 1045	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	7.0	U		1.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chloromethane, Solid*	7.0	U		1.8	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Vinyl chloride, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromomethane, Solid*	7.0	U		4.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chloroethane, Solid*	7.0	U		4.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Trichlorofluoromethane, Solid*	7.0	U		2.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1-Dichloroethene, Solid*	7.0	U		1.8	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Carbon disulfide, Solid*	7.0	U		1.4	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Acetone, Solid*	82			6.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Methylene chloride, Solid*	7.0	U		2.2	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	trans-1,2-Dichloroethene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	7.0	U		0.77	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1-Dichloroethane, Solid*	7.0	U		0.82	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2,2-Dichloropropane, Solid*	7.0	U		1.9	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	cis-1,2-Dichloroethene, Solid*	7.0	U		0.78	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2-Butanone (MEK), Solid*	11			3.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromochloromethane, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chloroform, Solid*	7.0	U		0.95	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,1-Trichloroethane, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1-Dichloropropene, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Carbon tetrachloride, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Benzene, Solid*	7.0	U		0.96	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dichloroethane, Solid*	7.0	U		0.77	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Trichloroethene, Solid*	7.0	U		0.92	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-13
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	7.0	U		0.77	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Dibromomethane, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromodichloromethane, Solid*	7.0	U		0.79	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	cis-1,3-Dichloropropene, Solid*	7.0	U		0.81	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	4-Methyl-2-pentanone (MIBK), Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Toluene, Solid*	7.0	U		2.4	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	trans-1,3-Dichloropropene, Solid*	7.0	U		0.84	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,2-Trichloroethane, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Tetrachloroethene, Solid*	7.0	U		1.3	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,3-Dichloropropane, Solid*	7.0	U		0.85	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2-Hexanone, Solid*	7.0	U		1.7	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Dibromochloromethane, Solid*	7.0	U		0.90	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dibromoethane (EDB), Solid*	7.0	U		0.89	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Chlorobenzene, Solid*	7.0	U		0.78	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,1,2-Tetrachloroethane, Solid*	7.0	U		0.84	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Ethylbenzene, Solid*	7.0	U		0.89	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	m&p-Xylenes, Solid*	14	U		1.7	14	1.00000	ug/Kg	165459		11/07/05 1715	ges
	o-Xylene, Solid*	7.0	U		0.86	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Styrene, Solid*	7.0	U		0.86	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromoform, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Isopropylbenzene, Solid*	7.0	U		0.95	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	Bromobenzene, Solid*	7.0	U		0.68	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,1,2,2-Tetrachloroethane, Solid*	7.0	U		0.99	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2,3-Trichloropropane, Solid*	7.0	U		1.7	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	n-Propylbenzene, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	2-Chlorotoluene, Solid*	7.0	U		0.92	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,3,5-Trimethylbenzene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	4-Chlorotoluene, Solid*	7.0	U		0.96	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	tert-Butylbenzene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD001-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-13
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	7.0	U		1.2	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	sec-Butylbenzene, Solid*	7.0	U		1.2	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	p-Isopropyltoluene, Solid*	7.0	U		1.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	n-Butylbenzene, Solid*	7.0	U		1.5	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dichlorobenzene, Solid*	7.0	U		1.0	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2-Dibromo-3-chloropropane, Solid*	7.0	U		2.1	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges
	1,2,3-Trichlorobenzene, Solid*	7.0	U		1.5	7.0	1.00000	ug/Kg	165459		11/07/05 1715	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SB005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-14
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	72.7			0.10	0.10	1	%	164131		10/31/05 1047	pfk
	% Moisture, Solid	27.3			0.10	0.10	1	%	164131		10/31/05 1047	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	9.4			1.2	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chloromethane, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Vinyl chloride, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromomethane, Solid*	6.2	U		3.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chloroethane, Solid*	6.2	U		3.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Trichlorofluoromethane, Solid*	6.2	U		1.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1-Dichloroethene, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Carbon disulfide, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Acetone, Solid*	50			5.4	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Methylene chloride, Solid*	6.2	U		2.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	trans-1,2-Dichloroethene, Solid*	6.2	U		0.96	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1-Dichloroethane, Solid*	6.2	U		0.74	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2,2-Dichloropropane, Solid*	6.2	U		1.7	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	cis-1,2-Dichloroethene, Solid*	6.2	U		0.70	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2-Butanone (MEK), Solid*	8.5			2.7	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromochloromethane, Solid*	6.2	U		0.94	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chloroform, Solid*	6.2	U		0.85	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,1-Trichloroethane, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1-Dichloropropene, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Carbon tetrachloride, Solid*	6.2	U		0.91	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Benzene, Solid*	6.2	U		0.86	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dichloroethane, Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Trichloroethene, Solid*	6.2	U		0.82	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-14
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.2	U		0.69	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Dibromomethane, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromodichloromethane, Solid*	6.2	U		0.71	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	cis-1,3-Dichloropropene, Solid*	6.2	U		0.72	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Toluene, Solid*	6.2	U		2.1	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	trans-1,3-Dichloropropene, Solid*	6.2	U		0.75	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,2-Trichloroethane, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Tetrachloroethene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,3-Dichloropropane, Solid*	6.2	U		0.76	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2-Hexanone, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Dibromochloromethane, Solid*	6.2	U		0.81	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dibromoethane (EDB), Solid*	6.2	U		0.80	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Chlorobenzene, Solid*	6.2	U		0.70	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.2	U		0.75	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Ethylbenzene, Solid*	6.2	U		0.80	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	165459		11/07/05 1741	ges
	o-Xylene, Solid*	6.2	U		0.77	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Styrene, Solid*	6.2	U		0.77	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromoform, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Isopropylbenzene, Solid*	6.2	U		0.85	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	Bromobenzene, Solid*	6.2	U		0.61	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.2	U		0.89	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2,3-Trichloropropane, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	n-Propylbenzene, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	2-Chlorotoluene, Solid*	6.2	U		0.82	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,3,5-Trimethylbenzene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	4-Chlorotoluene, Solid*	6.2	U		0.86	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	tert-Butylbenzene, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD005-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-14
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	sec-Butylbenzene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	p-Isopropyltoluene, Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	n-Butylbenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dichlorobenzene, Solid*	6.2	U		0.90	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.2	U		1.9	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges
	1,2,3-Trichlorobenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	165459		11/07/05 1741	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-15
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	68.0			0.10	0.10	1	%	164131		10/31/05 1048	pfk
	% Moisture, Solid	32.0			0.10	0.10	1	%	164131		10/31/05 1048	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chloromethane, Solid*	6.8	U		1.8	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Vinyl chloride, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromomethane, Solid*	6.8	U		4.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chloroethane, Solid*	6.8	U		4.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Trichlorofluoromethane, Solid*	6.8	U		2.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1-Dichloroethene, Solid*	6.8	U		1.8	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Carbon disulfide, Solid*	6.8	U		1.4	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Acetone, Solid*	46			5.8	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Methylene chloride, Solid*	6.8	U		2.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	trans-1,2-Dichloroethene, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.8	U		0.75	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1-Dichloroethane, Solid*	6.8	U		0.80	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2,2-Dichloropropane, Solid*	6.8	U		1.9	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	cis-1,2-Dichloroethene, Solid*	6.8	U		0.76	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2-Butanone (MEK), Solid*	9.9			3.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromochloromethane, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chloroform, Solid*	6.8	U		0.92	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,1-Trichloroethane, Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1-Dichloropropene, Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Carbon tetrachloride, Solid*	6.8	U		0.99	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Benzene, Solid*	6.8	U		0.94	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dichloroethane, Solid*	6.8	U		0.75	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Trichloroethene, Solid*	6.8	U		0.90	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470 Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-15
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.8	U		0.75	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Dibromomethane, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromodichloromethane, Solid*	6.8	U		0.77	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	cis-1,3-Dichloropropene, Solid*	6.8	U		0.79	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Toluene, Solid*	6.8	U		2.3	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	trans-1,3-Dichloropropene, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,2-Trichloroethane, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Tetrachloroethene, Solid*	6.8	U		1.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,3-Dichloropropane, Solid*	6.8	U		0.83	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2-Hexanone, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Dibromochloromethane, Solid*	6.8	U		0.88	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dibromoethane (EDB), Solid*	6.8	U		0.87	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Chlorobenzene, Solid*	6.8	U		0.76	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Ethylbenzene, Solid*	6.8	U		0.87	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	m&p-Xylenes, Solid*	14	U		1.6	14	1.00000	ug/Kg	165459		11/07/05 1806	ges
	o-Xylene, Solid*	6.8	U		0.84	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Styrene, Solid*	6.8	U		0.84	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromoform, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Isopropylbenzene, Solid*	6.8	U		0.92	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	Bromobenzene, Solid*	6.8	U		0.67	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.8	U		0.96	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2,3-Trichloropropane, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	n-Propylbenzene, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	2-Chlorotoluene, Solid*	6.8	U		0.90	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,3,5-Trimethylbenzene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	4-Chlorotoluene, Solid*	6.8	U		0.94	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	tert-Butylbenzene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SD006-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-15
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.8	U		1.2	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	sec-Butylbenzene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	p-Isopropyltoluene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	n-Butylbenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dichlorobenzene, Solid*	6.8	U		0.98	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.8	U		2.0	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges
	1,2,3-Trichlorobenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	165459		11/07/05 1806	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241470

LABORATORY TEST RESULTS

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-16
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	71.4			0.10	0.10	1	%	164131		10/31/05 1049	pfk
	% Moisture, Solid	28.6			0.10	0.10	1	%	164131		10/31/05 1049	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chloromethane, Solid*	6.7	U		1.8	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Vinyl chloride, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromomethane, Solid*	6.7	U		4.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chloroethane, Solid*	6.7	U		4.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Trichlorofluoromethane, Solid*	6.7	U		2.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1-Dichloroethene, Solid*	6.7	U		1.8	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Carbon disulfide, Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Acetone, Solid*	73			5.8	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Methylene chloride, Solid*	6.7	U		2.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	trans-1,2-Dichloroethene, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.7	U		0.74	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1-Dichloroethane, Solid*	6.7	U		0.80	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2,2-Dichloropropane, Solid*	6.7	U		1.9	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	cis-1,2-Dichloroethene, Solid*	6.7	U		0.76	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2-Butanone (MEK), Solid*	23			3.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromochloromethane, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chloroform, Solid*	6.7	U		0.92	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,1-Trichloroethane, Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1-Dichloropropene, Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Carbon tetrachloride, Solid*	6.7	U		0.98	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Benzene, Solid*	6.7	U		0.93	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dichloroethane, Solid*	6.7	U		0.74	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Trichloroethene, Solid*	6.7	U		0.89	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-16
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.7	U		0.74	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Dibromomethane, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromodichloromethane, Solid*	6.7	U		0.77	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	cis-1,3-Dichloropropene, Solid*	6.7	U		0.78	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Toluene, Solid*	8.6			2.3	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	trans-1,3-Dichloropropene, Solid*	6.7	U		0.81	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,2-Trichloroethane, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Tetrachloroethene, Solid*	6.7	U		1.2	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,3-Dichloropropane, Solid*	6.7	U		0.82	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2-Hexanone, Solid*	6.7	U		1.6	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Dibromochloromethane, Solid*	6.7	U		0.88	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dibromoethane (EDB), Solid*	6.7	U		0.86	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Chlorobenzene, Solid*	6.7	U		0.76	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.7	U		0.81	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Ethylbenzene, Solid*	6.7	U		0.86	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	m&p-Xylenes, Solid*	13			1.6	13	1.00000	ug/Kg	165459		11/07/05 1832	ges
	o-Xylene, Solid*	6.7	U		0.84	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Styrene, Solid*	6.7	U		0.84	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromoform, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Isopropylbenzene, Solid*	6.7	U		0.92	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	Bromobenzene, Solid*	6.7	U		0.66	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.7	U		0.96	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2,3-Trichloropropane, Solid*	6.7	U		1.6	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	n-Propylbenzene, Solid*	6.7	U		1.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	2-Chlorotoluene, Solid*	6.7	U		0.89	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,3,5-Trimethylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	4-Chlorotoluene, Solid*	6.7	U		0.93	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	tert-Butylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241470

Date:11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SDDUP101-1005
Date Sampled.....: 10/28/2005
Time Sampled.....: 09:16
Sample Matrix.....: Soil

Laboratory Sample ID: 241470-16
Date Received.....: 10/29/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	sec-Butylbenzene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	p-Isopropyltoluene, Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	n-Butylbenzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dichlorobenzene, Solid*	6.7	U		0.97	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.7	U		2.0	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges
	1,2,3-Trichlorobenzene, Solid*	6.7	U		1.5	6.7	1.00000	ug/Kg	165459		11/07/05 1832	ges

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241470 — Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Lab ID: 241470-1 Client ID: MCA-SW001-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819			11/06/2005 2301	
5030B	5030 10 mL Purge Prep	2	165291			11/10/2005 1121	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164824	164819		11/06/2005 2301	1.00000

Lab ID: 241470-2 Client ID: MCA-SW002-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819			11/07/2005 0009	
5030B	5030 10 mL Purge Prep	2	165291			11/10/2005 1145	
8260B	Volatile Organics	1	164824	164819		11/07/2005 0009	1.00000

Lab ID: 241470-3 Client ID: MCA-SW003-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819			11/07/2005 0032	
5030B	5030 10 mL Purge Prep	2	165291			11/10/2005 1209	
8260B	Volatile Organics	1	164824	164819		11/07/2005 0032	1.00000

Lab ID: 241470-4 Client ID: MCA-SW004-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819			11/07/2005 0054	
5030B	5030 10 mL Purge Prep	2	165291			11/10/2005 1233	
8260B	Volatile Organics	1	164824	164819		11/07/2005 0054	1.00000

Lab ID: 241470-5 Client ID: MCA-SW005-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819			11/07/2005 0117	
5030B	5030 10 mL Purge Prep	2	165291			11/10/2005 1257	
8260B	Volatile Organics	1	164824	164819		11/07/2005 0117	1.00000

Lab ID: 241470-6 Client ID: MCA-SW006-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291			11/10/2005 1321	
5030B	5030 10 mL Purge Prep	2	165344			11/11/2005 1128	
8260B	Volatile Organics	1	165346	165344		11/11/2005 1128	1.00000

Lab ID: 241470-7 Client ID: TB102805 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291			11/10/2005 1345	
5030B	5030 10 mL Purge Prep	2	165344			11/11/2005 1152	
8260B	Volatile Organics	1	165346	165344		11/11/2005 1152	1.00000

Lab ID: 241470-8 Client ID: EB102805 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291			11/10/2005 1409	
5030B	5030 10 mL Purge Prep	2	165344			11/11/2005 1216	
8260B	Volatile Organics	1	165346	165344		11/11/2005 1216	1.00000

Lab ID: 241470-9 Client ID: MCA-SWDUP101-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165291			11/10/2005 1434	
5030B	5030 10 mL Purge Prep	2	165344			11/11/2005 1240	
8260B	Volatile Organics	1	165514	165291		11/10/2005 1434	1.00000

Lab ID: 241470-10 Client ID: MCA-SD004-1005 — Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #	(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	164131	164131		10/31/2005 1042	

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LABORATORY CHRONICLE

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241470-10 Client ID: MCA-SD004-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1557	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0700	
5035	5035 Preservation Low	1	164072		10/30/2005	0700	
5035	5035 Preservation Low	1	164072		10/30/2005	0701	
5035	5035 Preservation Low	2	164072		10/30/2005	0700	
5035	5035 Preservation Low	2	164072		10/30/2005	0701	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1557	1.00000

Lab ID: 241470-11 Client ID: MCA-SD003-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1043	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1623	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0702	
5035	5035 Preservation Low	1	164072		10/30/2005	0702	
5035	5035 Preservation Low	2	164072		10/30/2005	0703	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1623	1.00000

Lab ID: 241470-12 Client ID: MCA-SD002-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1044	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1649	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0704	
5035	5035 Preservation Low	1	164072		10/30/2005	0706	
5035	5035 Preservation Low	2	164072		10/30/2005	0704	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1649	1.00000

Lab ID: 241470-13 Client ID: MCA-SD001-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1045	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1715	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0707	
5035	5035 Preservation Low	1	164072		10/30/2005	0708	
5035	5035 Preservation Low	2	164072		10/30/2005	0707	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1715	1.00000

Lab ID: 241470-14 Client ID: MCA-SD005-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1047	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1741	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0713	
5035	5035 Preservation Low	1	164072		10/30/2005	0713	
5035	5035 Preservation Low	2	164072		10/30/2005	0714	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1741	1.00000

Lab ID: 241470-15 Client ID: MCA-SD006-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1048	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1806	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0716	
5035	5035 Preservation Low	1	164072		10/30/2005	0716	

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LABORATORY CHRONICLE

Job Number: 241470 Date: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241470-15 Client ID: MCA-SD006-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Preservation Low	1	164072		10/30/2005	0717	
5035	5035 Preservation Low	2	164072		10/30/2005	0716	
5035	5035 Preservation Low	2	164072		10/30/2005	0717	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1806	1.00000

Lab ID: 241470-16 Client ID: MCA-SDDUP101-1005 Date Recvd: 10/29/2005 Sample Date: 10/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	164131	164131	10/31/2005	1049	
5035	5035 Archon Closed Purge & Trap	1	164914		11/07/2005	1832	
5035	5035 Preservation High (Methanol)	1	164073		10/30/2005	0718	
5035	5035 Preservation Low	1	164072		10/30/2005	0718	
5035	5035 Preservation Low	2	164072		10/30/2005	0719	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	165459	164072-164914	11/07/2005	1832	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 165459

Prep Batch..: 164072

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/07/2005	37*	51*	39*	41*
241470- 10		MCA-SD004-1005	11/07/2005	102	94	95	98
241470- 11		MCA-SD003-1005	11/07/2005	93	82	92	92
241470- 12		MCA-SD002-1005	11/07/2005	96	93	97	98
241470- 13		MCA-SD001-1005	11/07/2005	104	85	99	96
241470- 14		MCA-SD005-1005	11/07/2005	104	98	100	101
241470- 15		MCA-SD006-1005	11/07/2005	100	95	97	98
241470- 16		MCA-SDDUP101-1005	11/07/2005	99	96	95	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 164824

Prep Batch..: 164819

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/06/2005	113	101	99	101
MB			11/06/2005	125*	96	105	100
241470- 1		MCA-SW001-1005	11/06/2005	124*	93	114	92
241470- 1	MS	MCA-SW001-1005	11/06/2005	121*	101	116*	104
241470- 1	MSD	MCA-SW001-1005	11/06/2005	117	100	110	100
241470- 2		MCA-SW002-1005	11/07/2005	123*	95	114	93
241470- 3		MCA-SW003-1005	11/07/2005	131*	92	117*	95
241470- 4		MCA-SW004-1005	11/07/2005	124*	93	111	94
241470- 5		MCA-SW005-1005	11/07/2005	127*	93	115	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 165459

Prep Batch..: 164914

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/07/2005	69	98	75	81*
MB			11/07/2005	72	103	76	85

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 165514
Prep Batch..: 165291

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/10/2005	111	121*	119*	105
LCS			11/10/2005	113	118	112	108
MB			11/10/2005	121*	110	108	106
241470- 9		MCA-SWDUP101-1005	11/10/2005	126*	107	125*	109

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 165346
Prep Batch..: 165344

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/11/2005	104	118	106	108
MB			11/11/2005	110	109	107	107
241470- 6		MCA-SW006-1005	11/11/2005	106	110	106	105
241470- 7		TB102805	11/11/2005	112	113	103	107
241470- 8		EB102805	11/11/2005	113	111	109	106

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241470 — Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K06DSA	164819-018		11/06/2005	2054

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164824

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.079		25.000	1.000 U	100	%	24-171	
Chloromethane	ug/L	18.298		25.000	1.000 U	73	%	31-182	
Vinyl chloride	ug/L	24.035		25.000	1.000 U	96	%	50-145	
Bromomethane	ug/L	35.119		25.000	1.000 U	140	%	31-188	
Chloroethane	ug/L	27.398		25.000	1.000 U	110	%	58-148	
Trichlorofluoromethane	ug/L	33.552		25.000	1.000 U	134	%	54-142	
1,1-Dichloroethene	ug/L	22.864		25.000	1.000 U	91	%	51-136	
Carbon disulfide	ug/L	18.391		25.000	5.000 U	74	%	21-111	
Acetone	ug/L	30.405		25.000	5.000 U	122	%	14-177	
Methylene chloride	ug/L	21.588		25.000	1.000 U	86	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.279		25.000	1.000 U	93	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.502		25.000	1.000 U	98	%	55-142	
1,1-Dichloroethane	ug/L	22.870		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	30.617		25.000	1.000 U	122	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.058		25.000	1.000 U	92	%	70-125	
2-Butanone (MEK)	ug/L	20.742		25.000	5.000 U	83	%	29-139	
Bromochloromethane	ug/L	25.340		25.000	1.000 U	101	%	57-116	
Chloroform	ug/L	26.535		25.000	1.000 U	106	%	75-122	
1,1,1-Trichloroethane	ug/L	31.018		25.000	1.000 U	124	%	70-127	
1,1-Dichloropropene	ug/L	24.241		25.000	1.000 U	97	%	70-125	
Carbon tetrachloride	ug/L	35.142		25.000	1.000 U	141	%	64-132	*
Benzene	ug/L	23.267		25.000	1.000 U	93	%	75-122	
1,2-Dichloroethane	ug/L	28.064		25.000	1.000 U	112	%	67-120	
Trichloroethene	ug/L	26.397		25.000	1.000 U	106	%	70-125	
1,2-Dichloropropane	ug/L	21.436		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	24.935		25.000	1.000 U	100	%	68-116	
Bromodichloromethane	ug/L	31.674		25.000	1.000 U	127	%	75-125	*
cis-1,3-Dichloropropene	ug/L	26.473		26.000	1.000 U	102	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	18.697		25.000	5.000 U	75	%	39-137	
Toluene	ug/L	25.356		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.602		24.000	1.000 U	107	%	68-119	
1,1,2-Trichloroethane	ug/L	23.235		25.000	1.000 U	93	%	63-127	
Tetrachloroethene	ug/L	29.325		25.000	1.000 U	117	%	45-150	
1,3-Dichloropropane	ug/L	24.453		25.000	1.000 U	98	%	72-118	
2-Hexanone	ug/L	17.142		25.000	5.000 U	69	%	36-144	
Dibromochloromethane	ug/L	30.482		25.000	1.000 U	122	%	73-116	*
1,2-Dibromoethane (EDB)	ug/L	24.848		25.000	1.000 U	99	%	62-123	
Chlorobenzene	ug/L	24.743		25.000	1.000 U	99	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	31.385		25.000	1.000 U	126	%	77-120	*
Ethylbenzene	ug/L	25.866		25.000	1.000 U	103	%	75-125	
m&p-Xylenes	ug/L	56.614		50.000	2.000 U	113	%	75-123	
o-Xylene	ug/L	27.959		25.000	1.000 U	112	%	76-121	
Styrene	ug/L	23.905		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	32.175		25.000	1.000 U	129	%	65-115	*
Isopropylbenzene	ug/L	23.064		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	26.019		25.000	1.000 U	104	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.834		25.000	1.000 U	83	%	61-122	
1,2,3-Trichloropropane	ug/L	1.000	U	25.000	1.000 U	0	%	62-124	*
n-Propylbenzene	ug/L	22.685		25.000	1.000 U	91	%	69-132	
2-Chlorotoluene	ug/L	26.610		25.000	1.000 U	106	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K06DSA	164819-018		11/06/2005	2054

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	26.876		25.000	1.000 U	108	%	70-132	
4-Chlorotoluene	ug/L	26.725		25.000	1.000 U	107	%	70-126	
tert-Butylbenzene	ug/L	24.866		25.000	1.000 U	99	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.469		25.000	1.000 U	106	%	71-131	
sec-Butylbenzene	ug/L	22.866		25.000	1.000 U	91	%	70-134	
p-Isopropyltoluene	ug/L	24.655		25.000	1.000 U	99	%	66-130	
n-Butylbenzene	ug/L	24.372		25.000	1.000 U	97	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.791		25.000	1.000 U	91	%	57-119	
1,2,3-Trichlorobenzene	ug/L	28.702		25.000	1.000 U	115	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164819-017		11/06/2005	2157

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164824

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164819-017		11/06/2005	2157

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K06DSA	241470-1		11/06/2005	2323

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 164824

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.969		25.000	1.000 U	76	%	24-171	
Chloromethane	ug/L	20.481		25.000	1.000 U	82	%	31-182	
Vinyl chloride	ug/L	22.249		25.000	1.000 U	89	%	50-145	
Bromomethane	ug/L	19.029		25.000	1.000 U	76	%	31-188	
Chloroethane	ug/L	18.930		25.000	1.000 U	76	%	58-148	
Trichlorofluoromethane	ug/L	25.657		25.000	1.000 U	103	%	54-142	
1,1-Dichloroethene	ug/L	20.734		25.000	1.000 U	83	%	51-136	
Carbon disulfide	ug/L	17.208		25.000	5.000 U	69	%	21-111	
Acetone	ug/L	25.127		25.000	5.000 U	101	%	14-177	
Methylene chloride	ug/L	22.640		25.000	1.000 U	91	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.433		25.000	1.000 U	90	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.912		25.000	1.000 U	108	%	55-142	
1,1-Dichloroethane	ug/L	22.917		25.000	1.000 U	92	%	70-124	
2,2-Dichloropropane	ug/L	26.492		25.000	1.000 U	106	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.340		25.000	1.000 U	93	%	70-125	
2-Butanone (MEK)	ug/L	22.350		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	26.758		25.000	1.000 U	107	%	57-116	
Chloroform	ug/L	27.470		25.000	1.000 U	110	%	75-122	
1,1,1-Trichloroethane	ug/L	28.716		25.000	1.000 U	115	%	70-127	
1,1-Dichloropropene	ug/L	22.187		25.000	1.000 U	89	%	70-125	
Carbon tetrachloride	ug/L	27.266		25.000	1.000 U	109	%	64-132	
Benzene	ug/L	21.205		25.000	1.000 U	85	%	75-122	
1,2-Dichloroethane	ug/L	26.839		25.000	1.000 U	107	%	67-120	
Trichloroethene	ug/L	23.702		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	20.006		25.000	1.000 U	80	%	76-116	
Dibromomethane	ug/L	23.596		25.000	1.000 U	94	%	68-116	
Bromodichloromethane	ug/L	28.945		25.000	1.000 U	116	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.155		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	19.109		25.000	5.000 U	76	%	39-137	
Toluene	ug/L	22.864		25.000	1.000 U	91	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.444		24.000	1.000 U	98	%	68-119	
1,1,2-Trichloroethane	ug/L	24.430		25.000	1.000 U	98	%	63-127	
Tetrachloroethene	ug/L	22.548		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	22.292		25.000	1.000 U	89	%	72-118	
2-Hexanone	ug/L	16.609		25.000	5.000 U	66	%	36-144	
Dibromochloromethane	ug/L	27.231		25.000	1.000 U	109	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.432		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	22.264		25.000	1.000 U	89	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.987		25.000	1.000 U	112	%	77-120	
Ethylbenzene	ug/L	21.884		25.000	1.000 U	88	%	75-125	
m&p-Xylenes	ug/L	47.420		50.000	2.000 U	95	%	75-123	
o-Xylene	ug/L	24.672		25.000	1.000 U	99	%	76-121	
Styrene	ug/L	19.569		25.000	1.000 U	78	%	77-128	
Bromoform	ug/L	28.970		25.000	1.000 U	116	%	65-115	*
Isopropylbenzene	ug/L	19.883		25.000	1.000 U	80	%	64-119	
Bromobenzene	ug/L	24.318		25.000	1.000 U	97	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.416		25.000	1.000 U	82	%	61-122	
1,2,3-Trichloropropane	ug/L	23.226		25.000	1.000 U	93	%	62-124	
n-Propylbenzene	ug/L	19.281		25.000	1.000 U	77	%	69-132	
2-Chlorotoluene	ug/L	23.538		25.000	1.000 U	94	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K06DSA	241470-1		11/06/2005	2323

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	22.518		25.000	1.000	U	90	%	70-132	
4-Chlorotoluene	ug/L	23.350		25.000	1.000	U	93	%	70-126	
tert-Butylbenzene	ug/L	21.789		25.000	1.000	U	87	%	70-133	
1,2,4-Trimethylbenzene	ug/L	22.620		25.000	1.000	U	90	%	71-131	
sec-Butylbenzene	ug/L	18.735		25.000	1.000	U	75	%	70-134	
p-Isopropyltoluene	ug/L	19.680		25.000	1.000	U	79	%	66-130	
n-Butylbenzene	ug/L	18.218		25.000	1.000	U	73	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.162		25.000	1.000	U	89	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.089		25.000	1.000	U	100	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K06DSA	241470-1		11/06/2005	2346

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164824

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.251	18.969	25.000	1.000 U	73	%	24-171	
						4	R	20	
Chloromethane	ug/L	20.092	20.481	25.000	1.000 U	80	%	31-182	
						2	R	20	
Vinyl chloride	ug/L	22.195	22.249	25.000	1.000 U	89	%	50-145	
						0	R	20	
Bromomethane	ug/L	29.852	19.029	25.000	1.000 U	119	%	31-188	
						44	R	20	*
Chloroethane	ug/L	25.869	18.930	25.000	1.000 U	103	%	58-148	
						30	R	20	*
Trichlorofluoromethane	ug/L	25.322	25.657	25.000	1.000 U	101	%	54-142	
						2	R	20	
1,1-Dichloroethene	ug/L	20.695	20.734	25.000	1.000 U	83	%	51-136	
						0	R	20	
Carbon disulfide	ug/L	17.363	17.208	25.000	5.000 U	69	%	21-111	
						0	R	20	
Acetone	ug/L	23.443	25.127	25.000	5.000 U	94	%	14-177	
						7	R	20	
Methylene chloride	ug/L	21.668	22.640	25.000	1.000 U	87	%	64-127	
						4	R	20	
trans-1,2-Dichloroethene	ug/L	22.206	22.433	25.000	1.000 U	89	%	62-138	
						1	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.384	26.912	25.000	1.000 U	102	%	55-142	
						6	R	20	
1,1-Dichloroethane	ug/L	22.342	22.917	25.000	1.000 U	89	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	27.105	26.492	25.000	1.000 U	108	%	68-127	
						2	R	20	
cis-1,2-Dichloroethene	ug/L	22.920	23.340	25.000	1.000 U	92	%	70-125	
						1	R	20	
2-Butanone (MEK)	ug/L	21.488	22.350	25.000	5.000 U	86	%	29-139	
						3	R	20	
Bromochloromethane	ug/L	25.280	26.758	25.000	1.000 U	101	%	57-116	
						6	R	20	
Chloroform	ug/L	26.241	27.470	25.000	1.000 U	105	%	75-122	
						5	R	20	
1,1,1-Trichloroethane	ug/L	28.298	28.716	25.000	1.000 U	113	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	21.596	22.187	25.000	1.000 U	86	%	70-125	
						3	R	20	
Carbon tetrachloride	ug/L	28.134	27.266	25.000	1.000 U	113	%	64-132	
						4	R	20	
Benzene	ug/L	20.920	21.205	25.000	1.000 U	84	%	75-122	
						1	R	20	
1,2-Dichloroethane	ug/L	25.518	26.839	25.000	1.000 U	102	%	67-120	
						5	R	20	
Trichloroethene	ug/L	23.242	23.702	25.000	1.000 U	93	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	20.190	20.006	25.000	1.000 U	81	%	76-116	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K06DSA	241470-1		11/06/2005	2346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.385	23.596	25.000	1.000 U	94	%	68-116	
						0	R	20	
Bromodichloromethane	ug/L	28.443	28.945	25.000	1.000 U	114	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	22.908	23.155	26.000	1.000 U	88	%	72-115	
						1	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	18.357	19.109	25.000	5.000 U	73	%	39-137	
						4	R	20	
Toluene	ug/L	22.771	22.864	25.000	1.000 U	91	%	77-120	
						0	R	20	
trans-1,3-Dichloropropene	ug/L	23.339	23.444	24.000	1.000 U	97	%	68-119	
						1	R	20	
1,1,2-Trichloroethane	ug/L	23.893	24.430	25.000	1.000 U	96	%	63-127	
						2	R	20	
Tetrachloroethene	ug/L	23.540	22.548	25.000	1.000 U	94	%	45-150	
						4	R	20	
1,3-Dichloropropane	ug/L	22.632	22.292	25.000	1.000 U	91	%	72-118	
						2	R	20	
2-Hexanone	ug/L	15.755	16.609	25.000	5.000 U	63	%	36-144	
						5	R	20	
Dibromochloromethane	ug/L	27.706	27.231	25.000	1.000 U	111	%	73-116	
						2	R	20	
1,2-Dibromoethane (EDB)	ug/L	23.410	24.432	25.000	1.000 U	94	%	62-123	
						4	R	20	
Chlorobenzene	ug/L	22.100	22.264	25.000	1.000 U	88	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	28.232	27.987	25.000	1.000 U	113	%	77-120	
						1	R	20	
Ethylbenzene	ug/L	21.775	21.884	25.000	1.000 U	87	%	75-125	
						1	R	20	
m&p-Xylenes	ug/L	47.802	47.420	50.000	2.000 U	96	%	75-123	
						1	R	20	
o-Xylene	ug/L	24.594	24.672	25.000	1.000 U	98	%	76-121	
						1	R	20	
Styrene	ug/L	20.322	19.569	25.000	1.000 U	81	%	77-128	
						4	R	20	
Bromoform	ug/L	27.800	28.970	25.000	1.000 U	111	%	65-115	
						4	R	20	
Isopropylbenzene	ug/L	20.187	19.883	25.000	1.000 U	81	%	64-119	
						1	R	20	
Bromobenzene	ug/L	24.927	24.318	25.000	1.000 U	100	%	76-118	
						3	R	20	
1,1,2,2-Tetrachloroethane	ug/L	20.489	20.416	25.000	1.000 U	82	%	61-122	
						0	R	20	
1,2,3-Trichloropropane	ug/L	24.396	23.226	25.000	1.000 U	98	%	62-124	
						5	R	20	
n-Propylbenzene	ug/L	19.208	19.281	25.000	1.000 U	77	%	69-132	
						0	R	20	
2-Chlorotoluene	ug/L	24.121	23.538	25.000	1.000 U	96	%	70-127	
						2	R	20	
1,3,5-Trimethylbenzene	ug/L	23.534	22.518	25.000	1.000 U	94	%	70-132	
						4	R	20	
4-Chlorotoluene	ug/L	23.859	23.350	25.000	1.000 U	95	%	70-126	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K06DSA	241470-1		11/06/2005	2346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.925	21.789	25.000	1.000	U	88	%	70-133	
							1	R	20	
1,2,4-Trimethylbenzene	ug/L	23.482	22.620	25.000	1.000	U	94	%	71-131	
							4	R	20	
sec-Butylbenzene	ug/L	19.090	18.735	25.000	1.000	U	76	%	70-134	
							1	R	20	
p-Isopropyltoluene	ug/L	20.388	19.680	25.000	1.000	U	82	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	18.730	18.218	25.000	1.000	U	75	%	64-142	
							3	R	20	
1,2-Dibromo-3-chloropropane	ug/L	21.652	22.162	25.000	1.000	U	87	%	57-119	
							2	R	20	
1,2,3-Trichlorobenzene	ug/L	24.881	25.089	25.000	1.000	U	100	%	66-124	
							0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 — Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K11DSA	165344-006		11/11/2005	1035

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 165346

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	19.751		25.000	1.000 U	79	%	24-171	
Chloromethane	ug/L	18.929		25.000	1.000 U	76	%	31-182	
Vinyl chloride	ug/L	22.630		25.000	1.000 U	91	%	50-145	
Bromomethane	ug/L	35.707		25.000	1.000 U	143	%	31-188	
Chloroethane	ug/L	27.952		25.000	1.000 U	112	%	58-148	
Trichlorofluoromethane	ug/L	22.742		25.000	1.000 U	91	%	54-142	
1,1-Dichloroethene	ug/L	26.331		25.000	1.000 U	105	%	51-136	
Carbon disulfide	ug/L	21.320		25.000	5.000 U	85	%	21-111	
Acetone	ug/L	32.968		25.000	5.000 U	132	%	14-177	
Methylene chloride	ug/L	22.614		25.000	1.000 U	90	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.901		25.000	1.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.401		25.000	1.000 U	114	%	55-142	
1,1-Dichloroethane	ug/L	26.233		25.000	1.000 U	105	%	70-124	
2,2-Dichloropropane	ug/L	32.635		25.000	1.000 U	131	%	68-127	*
cis-1,2-Dichloroethene	ug/L	25.609		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	27.395		25.000	5.000 U	110	%	29-139	
Bromochloromethane	ug/L	21.363		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	25.703		25.000	1.000 U	103	%	75-122	
1,1,1-Trichloroethane	ug/L	27.488		25.000	1.000 U	110	%	70-127	
1,1-Dichloropropene	ug/L	23.619		25.000	1.000 U	94	%	70-125	
Carbon tetrachloride	ug/L	30.088		25.000	1.000 U	120	%	64-132	
Benzene	ug/L	23.619		25.000	1.000 U	94	%	75-122	
1,2-Dichloroethane	ug/L	28.059		25.000	1.000 U	112	%	67-120	
Trichloroethene	ug/L	22.794		25.000	1.000 U	91	%	70-125	
1,2-Dichloropropane	ug/L	25.551		25.000	1.000 U	102	%	76-116	
Dibromomethane	ug/L	21.606		25.000	1.000 U	86	%	68-116	
Bromodichloromethane	ug/L	28.711		25.000	1.000 U	115	%	75-125	
cis-1,3-Dichloropropene	ug/L	26.709		26.000	1.000 U	103	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.400		25.000	5.000 U	94	%	39-137	
Toluene	ug/L	23.377		25.000	1.000 U	94	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.987		24.000	1.000 U	108	%	68-119	
1,1,2-Trichloroethane	ug/L	25.692		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	24.672		25.000	1.000 U	99	%	45-150	
1,3-Dichloropropane	ug/L	26.286		25.000	1.000 U	105	%	72-118	
2-Hexanone	ug/L	25.980		25.000	5.000 U	104	%	36-144	
Dibromochloromethane	ug/L	25.136		25.000	1.000 U	101	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	26.202		25.000	1.000 U	105	%	62-123	
Chlorobenzene	ug/L	22.514		25.000	1.000 U	90	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.506		25.000	1.000 U	102	%	77-120	
Ethylbenzene	ug/L	25.228		25.000	1.000 U	101	%	75-125	
m&p-Xylenes	ug/L	49.583		50.000	2.000 U	99	%	75-123	
o-Xylene	ug/L	25.754		25.000	1.000 U	103	%	76-121	
Styrene	ug/L	25.025		25.000	1.000 U	100	%	77-128	
Bromoform	ug/L	24.312		25.000	1.000 U	97	%	65-115	
Isopropylbenzene	ug/L	20.964		25.000	1.000 U	84	%	64-119	
Bromobenzene	ug/L	21.657		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.834		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	25.583		25.000	1.000 U	102	%	62-124	
n-Propylbenzene	ug/L	22.746		25.000	1.000 U	91	%	69-132	
2-Chlorotoluene	ug/L	23.252		25.000	1.000 U	93	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K11DSA	165344-006		11/11/2005	1035

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.942		25.000	1.000 U	96	%	70-132	
4-Chlorotoluene	ug/L	22.666		25.000	1.000 U	91	%	70-126	
tert-Butylbenzene	ug/L	24.978		25.000	1.000 U	100	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.428		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	23.136		25.000	1.000 U	93	%	70-134	
p-Isopropyltoluene	ug/L	23.757		25.000	1.000 U	95	%	66-130	
n-Butylbenzene	ug/L	22.964		25.000	1.000 U	92	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	24.828		25.000	1.000 U	99	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.119		25.000	1.000 U	100	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 — Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165344-005		11/11/2005	1011

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 165346

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165344-005		11/11/2005	1011

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1		164072-019		11/07/2005	1101

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 165459

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1		164072-019		11/07/2005	1101

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K07DSX	164914-002		11/07/2005	1012

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 165459

Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	39.152		50.000	5.000 U	78	%	39-159	
Chloromethane, Solid	ug/Kg	45.564		50.000	5.000 U	91	%	42-180	
Vinyl chloride, Solid	ug/Kg	46.205		50.000	5.000 U	92	%	60-125	
Bromomethane, Solid	ug/Kg	42.595		50.000	5.000 U	85	%	39-165	
Chloroethane, Solid	ug/Kg	47.329		50.000	5.000 U	95	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	49.144		50.000	5.000 U	98	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	43.293		50.000	5.000 U	87	%	47-141	
Carbon disulfide, Solid	ug/Kg	34.862		50.000	5.000 U	70	%	22-118	
Acetone, Solid	ug/Kg	61.183		50.000	5.000 U	122	%	50-176	
Methylene chloride, Solid	ug/Kg	41.945		50.000	5.000 U	84	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	45.717		50.000	5.000 U	91	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	48.462		50.000	5.000 U	97	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	45.728		50.000	5.000 U	91	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.579		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	48.982		50.000	5.000 U	98	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	48.177		50.000	5.000 U	96	%	41-166	
Bromochloromethane, Solid	ug/Kg	49.659		50.000	5.000 U	99	%	61-122	
Chloroform, Solid	ug/Kg	47.308		50.000	5.000 U	95	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	48.134		50.000	5.000 U	96	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	46.428		50.000	5.000 U	93	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	47.292		50.000	5.000 U	95	%	67-130	
Benzene, Solid	ug/Kg	47.833		50.000	5.000 U	96	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.394		50.000	5.000 U	95	%	72-134	
Trichloroethene, Solid	ug/Kg	48.850		50.000	5.000 U	98	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	47.104		50.000	5.000 U	94	%	76-124	
Dibromomethane, Solid	ug/Kg	48.317		50.000	5.000 U	97	%	75-122	
Bromodichloromethane, Solid	ug/Kg	51.720		50.000	5.000 U	103	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	46.617		52.000	5.000 U	90	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	53.130		50.000	5.000 U	106	%	57-144	
Toluene, Solid	ug/Kg	47.020		50.000	5.000 U	94	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	44.364		48.000	5.000 U	92	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	51.064		50.000	5.000 U	102	%	79-133	
Tetrachloroethene, Solid	ug/Kg	43.897		50.000	5.000 U	88	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	46.277		50.000	5.000 U	93	%	81-123	
2-Hexanone, Solid	ug/Kg	48.255		50.000	5.000 U	97	%	57-148	
Dibromochloromethane, Solid	ug/Kg	46.130		50.000	5.000 U	92	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.678		50.000	5.000 U	103	%	77-123	
Chlorobenzene, Solid	ug/Kg	46.254		50.000	5.000 U	93	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	48.016		50.000	5.000 U	96	%	78-126	
Ethylbenzene, Solid	ug/Kg	47.646		50.000	5.000 U	95	%	73-121	
m&p-Xylenes, Solid	ug/Kg	95.752		100.000	10.000 U	96	%	73-122	
o-Xylene, Solid	ug/Kg	48.207		50.000	5.000 U	96	%	75-120	
Styrene, Solid	ug/Kg	49.757		50.000	5.000 U	100	%	76-124	
Bromoform, Solid	ug/Kg	47.061		50.000	5.000 U	94	%	72-132	
Isopropylbenzene, Solid	ug/Kg	44.497		50.000	5.000 U	89	%	59-114	
Bromobenzene, Solid	ug/Kg	47.750		50.000	5.000 U	95	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	48.249		50.000	5.000 U	96	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	49.207		50.000	5.000 U	98	%	75-126	
n-Propylbenzene, Solid	ug/Kg	48.210		50.000	5.000 U	96	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	48.232		50.000	5.000 U	96	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K07DSX	164914-002		11/07/2005	1012

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	49.805		50.000	5.000 U	100	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	46.639		50.000	5.000 U	93	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	49.210		50.000	5.000 U	98	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	48.952		50.000	5.000 U	98	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	49.384		50.000	5.000 U	99	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	48.486		50.000	5.000 U	97	%	65-121	
n-Butylbenzene, Solid	ug/Kg	49.010		50.000	5.000 U	98	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	46.968		50.000	5.000 U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	43.456		50.000	5.000 U	87	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	47.697		50.000	5.000 U	95	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164914-001		11/07/2005	0946

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 165459

Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164914-001		11/07/2005	0946

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470 Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K1ODSA	165291-027		11/10/2005	1835

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 165514

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.620	24.588	25.000	1.000 U	102	%	24-171	
						4	R	20	
Chloromethane	ug/L	23.126	21.999	25.000	1.000 U	93	%	31-182	
						5	R	20	
Vinyl chloride	ug/L	25.354	24.816	25.000	1.000 U	101	%	50-145	
						2	R	20	
Bromomethane	ug/L	37.218	44.128	25.000	1.000 U	149	%	31-188	
						17	R	20	
Chloroethane	ug/L	25.096	30.296	25.000	1.000 U	100	%	58-148	
						19	R	20	
Trichlorofluoromethane	ug/L	28.715	28.974	25.000	1.000 U	115	%	54-142	
						1	R	20	
1,1-Dichloroethene	ug/L	22.744	23.119	25.000	1.000 U	91	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	16.488	16.764	25.000	5.000 U	66	%	21-111	
						2	R	20	
Acetone	ug/L	20.550	18.764	25.000	5.000 U	82	%	14-177	
						9	R	20	
Methylene chloride	ug/L	23.578	22.098	25.000	1.000 U	94	%	64-127	
						6	R	20	
trans-1,2-Dichloroethene	ug/L	23.455	23.459	25.000	1.000 U	94	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.908	27.176	25.000	1.000 U	116	%	55-142	
						6	R	20	
1,1-Dichloroethane	ug/L	25.752	25.871	25.000	1.000 U	103	%	70-124	
						0	R	20	
2,2-Dichloropropane	ug/L	27.634	32.469	25.000	1.000 U	111	%	68-127	
						16	R	20	
cis-1,2-Dichloroethene	ug/L	25.466	24.368	25.000	1.000 U	102	%	70-125	
						4	R	20	
2-Butanone (MEK)	ug/L	23.061	19.929	25.000	5.000 U	92	%	29-139	
						15	R	20	
Bromochloromethane	ug/L	22.617	20.788	25.000	1.000 U	90	%	57-116	
						8	R	20	
Chloroform	ug/L	27.114	26.776	25.000	1.000 U	108	%	75-122	
						1	R	20	
1,1,1-Trichloroethane	ug/L	27.574	28.134	25.000	1.000 U	110	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	23.302	23.255	25.000	1.000 U	93	%	70-125	
						0	R	20	
Carbon tetrachloride	ug/L	28.231	30.418	25.000	1.000 U	113	%	64-132	
						7	R	20	
Benzene	ug/L	21.753	21.857	25.000	1.000 U	87	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	28.527	28.314	25.000	1.000 U	114	%	67-120	
						1	R	20	
Trichloroethene	ug/L	21.074	21.014	25.000	1.000 U	84	%	70-125	
						0	R	20	
1,2-Dichloropropane	ug/L	24.404	24.513	25.000	1.000 U	98	%	76-116	
						0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K10DSA	165291-027		11/10/2005	1835

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	22.227	21.521	25.000	1.000 U	89	%	68-116	
						3	R	20	
Bromodichloromethane	ug/L	28.663	28.835	25.000	1.000 U	115	%	75-125	
						1	R	20	
cis-1,3-Dichloropropene	ug/L	23.658	25.446	26.000	1.000 U	91	%	72-115	
						7	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.529	21.474	25.000	5.000 U	90	%	39-137	
						5	R	20	
Toluene	ug/L	22.293	22.488	25.000	1.000 U	89	%	77-120	
						1	R	20	
trans-1,3-Dichloropropene	ug/L	24.017	25.586	24.000	1.000 U	100	%	68-119	
						6	R	20	
1,1,2-Trichloroethane	ug/L	26.980	25.434	25.000	1.000 U	108	%	63-127	
						6	R	20	
Tetrachloroethene	ug/L	22.100	23.762	25.000	1.000 U	88	%	45-150	
						7	R	20	
1,3-Dichloropropane	ug/L	25.031	25.859	25.000	1.000 U	100	%	72-118	
						3	R	20	
2-Hexanone	ug/L	21.367	21.172	25.000	5.000 U	85	%	36-144	
						1	R	20	
Dibromochloromethane	ug/L	25.591	26.152	25.000	1.000 U	102	%	73-116	
						2	R	20	
1,2-Dibromoethane (EDB)	ug/L	25.167	24.946	25.000	1.000 U	101	%	62-123	
						1	R	20	
Chlorobenzene	ug/L	21.931	22.179	25.000	1.000 U	88	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.241	25.064	25.000	1.000 U	101	%	77-120	
						1	R	20	
Ethylbenzene	ug/L	23.649	24.760	25.000	1.000 U	95	%	75-125	
						5	R	20	
m&p-Xylenes	ug/L	47.601	50.594	50.000	2.000 U	95	%	75-123	
						6	R	20	
o-Xylene	ug/L	24.499	25.570	25.000	1.000 U	98	%	76-121	
						4	R	20	
Styrene	ug/L	23.963	25.181	25.000	1.000 U	96	%	77-128	
						5	R	20	
Bromoform	ug/L	24.601	24.621	25.000	1.000 U	98	%	65-115	
						0	R	20	
Isopropylbenzene	ug/L	20.718	20.871	25.000	1.000 U	83	%	64-119	
						1	R	20	
Bromobenzene	ug/L	21.739	21.943	25.000	1.000 U	87	%	76-118	
						1	R	20	
1,1,2,2-Tetrachloroethane	ug/L	22.783	22.669	25.000	1.000 U	91	%	61-122	
						1	R	20	
1,2,3-Trichloropropane	ug/L	25.311	26.310	25.000	1.000 U	101	%	62-124	
						4	R	20	
n-Propylbenzene	ug/L	21.923	23.017	25.000	1.000 U	88	%	69-132	
						5	R	20	
2-Chlorotoluene	ug/L	23.180	23.311	25.000	1.000 U	93	%	70-127	
						1	R	20	
1,3,5-Trimethylbenzene	ug/L	23.217	23.545	25.000	1.000 U	93	%	70-132	
						1	R	20	
4-Chlorotoluene	ug/L	21.875	22.592	25.000	1.000 U	88	%	70-126	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K10BSA	165291-027		11/10/2005	1835

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	24.514	24.319	25.000	1.000	U	98	%	70-133	
							1	R	20	
1,2,4-Trimethylbenzene	ug/L	22.624	23.379	25.000	1.000	U	90	%	71-131	
							3	R	20	
sec-Butylbenzene	ug/L	22.890	23.172	25.000	1.000	U	92	%	70-134	
							1	R	20	
p-Isopropyltoluene	ug/L	22.982	23.954	25.000	1.000	U	92	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	21.474	23.299	25.000	1.000	U	86	%	64-142	
							8	R	20	
1,2-Dibromo-3-chloropropane	ug/L	27.492	26.865	25.000	1.000	U	110	%	57-119	
							2	R	20	
1,2,3-Trichlorobenzene	ug/L	23.885	24.140	25.000	1.000	U	96	%	66-124	
							1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165291-026		11/10/2005	0832

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 165514

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.588		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	21.999		25.000	1.000 U	88	%	31-182	
Vinyl chloride	ug/L	24.816		25.000	1.000 U	99	%	50-145	
Bromomethane	ug/L	44.128		25.000	1.000 U	177	%	31-188	
Chloroethane	ug/L	30.296		25.000	1.000 U	121	%	58-148	
Trichlorofluoromethane	ug/L	28.974		25.000	1.000 U	116	%	54-142	
1,1-Dichloroethene	ug/L	23.119		25.000	1.000 U	92	%	51-136	
Carbon disulfide	ug/L	16.764		25.000	5.000 U	67	%	21-111	
Acetone	ug/L	18.764		25.000	5.000 U	75	%	14-177	
Methylene chloride	ug/L	22.098		25.000	1.000 U	88	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.459		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.176		25.000	1.000 U	109	%	55-142	
1,1-Dichloroethane	ug/L	25.871		25.000	1.000 U	103	%	70-124	
2,2-Dichloropropane	ug/L	32.469		25.000	1.000 U	130	%	68-127	*
cis-1,2-Dichloroethene	ug/L	24.368		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	19.929		25.000	5.000 U	80	%	29-139	
Bromochloromethane	ug/L	20.788		25.000	1.000 U	83	%	57-116	
Chloroform	ug/L	26.776		25.000	1.000 U	107	%	75-122	
1,1,1-Trichloroethane	ug/L	28.134		25.000	1.000 U	113	%	70-127	
1,1-Dichloropropene	ug/L	23.255		25.000	1.000 U	93	%	70-125	
Carbon tetrachloride	ug/L	30.418		25.000	1.000 U	122	%	64-132	
Benzene	ug/L	21.857		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	28.314		25.000	1.000 U	113	%	67-120	
Trichloroethene	ug/L	21.014		25.000	1.000 U	84	%	70-125	
1,2-Dichloropropane	ug/L	24.513		25.000	1.000 U	98	%	76-116	
Dibromomethane	ug/L	21.521		25.000	1.000 U	86	%	68-116	
Bromodichloromethane	ug/L	28.835		25.000	1.000 U	115	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.446		26.000	1.000 U	98	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.474		25.000	5.000 U	86	%	39-137	
Toluene	ug/L	22.488		25.000	1.000 U	90	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.586		24.000	1.000 U	107	%	68-119	
1,1,2-Trichloroethane	ug/L	25.434		25.000	1.000 U	102	%	63-127	
Tetrachloroethene	ug/L	23.762		25.000	1.000 U	95	%	45-150	
1,3-Dichloropropane	ug/L	25.859		25.000	1.000 U	103	%	72-118	
2-Hexanone	ug/L	21.172		25.000	5.000 U	85	%	36-144	
Dibromochloromethane	ug/L	26.152		25.000	1.000 U	105	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.946		25.000	1.000 U	100	%	62-123	
Chlorobenzene	ug/L	22.179		25.000	1.000 U	89	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.064		25.000	1.000 U	100	%	77-120	
Ethylbenzene	ug/L	24.760		25.000	1.000 U	99	%	75-125	
m&p-Xylenes	ug/L	50.594		50.000	2.000 U	101	%	75-123	
o-Xylene	ug/L	25.570		25.000	1.000 U	102	%	76-121	
Styrene	ug/L	25.181		25.000	1.000 U	101	%	77-128	
Bromoform	ug/L	24.621		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	20.871		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	21.943		25.000	1.000 U	88	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.669		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	26.310		25.000	1.000 U	105	%	62-124	
n-Propylbenzene	ug/L	23.017		25.000	1.000 U	92	%	69-132	
2-Chlorotoluene	ug/L	23.311		25.000	1.000 U	93	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165291-026		11/10/2005	0832

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.545		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	22.592		25.000	1.000 U	90	%	70-126	
tert-Butylbenzene	ug/L	24.319		25.000	1.000 U	97	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.379		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	23.172		25.000	1.000 U	93	%	70-134	
p-Isopropyltoluene	ug/L	23.954		25.000	1.000 U	96	%	66-130	
n-Butylbenzene	ug/L	23.299		25.000	1.000 U	93	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	26.865		25.000	1.000 U	107	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.140		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165291-025		11/10/2005	0807

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 165514

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241470

QUALITY CONTROL RESULTS

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165291-025		11/10/2005	0807

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U						
4-Chlorotoluene	ug/L	1.000	U						
tert-Butylbenzene	ug/L	1.000	U						
1,2,4-Trimethylbenzene	ug/L	1.000	U						
sec-Butylbenzene	ug/L	1.000	U						
p-Isopropyltoluene	ug/L	1.000	U						
n-Butylbenzene	ug/L	1.000	U						
1,2-Dibromo-3-chloropropane	ug/L	1.000	U						
1,2,3-Trichlorobenzene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241470

Report Date.: 11/14/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids

Batch.....: 164131
Equipment Code....:

Analyst...: pfk
Test Code..: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164131-001		%	0.1000 U								10/31/2005	1039
MD	241470-13		%	66.90000			66.90000	0.0		R	5.0	10/31/2005	1046

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Gumas
Company: HGL
Address: 313 Ushers Rd
Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EGumas@HGL.com

Bill To:
Contact:
Company:
Address: Same
Phone:
Fax:
PO#: 014004-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 241470

Package Sealed	Samples Sealed
Yes / No	Yes / No
Received on Ice	**Samples Intact**
Yes / No	Yes / No

Temperature °C of Cooler 3.9

Within Hold Time	Preserv. Indicated
Yes / No	Yes / No / NA
pH Check OK	**Res Cl_2 Check OK**
Yes / No / NA	Yes / No / NA

Sample Labels and COC Agree
Yes / No — COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: Bedsampling GW Plume Delineation
Project Number: 014004-001
Project Location: MCA Barracks, Huntsville
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	VOCs Gases 8260B	Moisture	Additional Analyses / Remarks
		Refrg #									
		# / Cont.					3	3	3	1	
		Volume					40ml	40ml	5G	4oz	
		Preserv					HCl	HCl	NONE	NONE	
1		MCA-SW001-1005	10-28-05	1310	W	G	X				
2		MCA-SW002-1005		1255							
3		MCA-SW003-1005		1240							
4		MCA-SW004-1005		1355							
5		MCA-SW005-1005		1325							
6		MCA-SW006-1005		1340							
1	MS	MCA-SW001MS-1005		1310							
1	MSD	MCA-SW001MSD-1005	↓	1310			↓				
7		TB102805	10-28-05	1840				X			
8		EB102805		1500			X				
9		MCA-SWDUP101-1005		0916	↓	↓	↓				
10		MCA-SD004-1005	↓	1400	S	C			X	X	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-28-05	1845		STL	10/29/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Moisture current - 2 on 4 oz jars

Date Received 10, 29, 05
Courier: FX **Hand Delivered**
Bill of Lading see attach

STL Chicago is a part of Severn Trent Laboratories, Inc.

STL-8208 (0600)

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: 313 Ushers Rd, Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0411
E-Mail: Evans@HGL.com

Bill To:
Contact:
Company: Same
Address:
Phone:
Fax:
PO#: OM4001-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 241470

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: Pond Sampling GW Plume Delineation
Project Number: OM4001-001
Project Location: MCA Barracks, Hunter AAF
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	Moisture	Additional Analyses / Remarks
11		MCA-SD003-1005	10-28-05	1245	S	C	X	X	
12		MCA-SD002-1005		1300					
13		MCA-SD001-1005		1315					
14		MCA-SD005-1005		1330					
15		MCA-SD006-1005		1345					
13		MCA-SDMS101-1005		1315					
1		MCA-SDMSD101-1005		1315					
12 5016		MCA-SDDup101-1005	↓	0916	↓	↓	↓	↓	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-28-05	1845		STL	10/29/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Moisture Content - 20% 9%

Date Received 10/29/05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241069

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/31/2005

Linda S Mackley
Signature

10-31-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
2417 Bond Street
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This Report Contains (67) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: Hydrogeologic, Inc. Date Recd: 10/18/05
Project ID: OMA009-001-02-01-02
STL Job# 231069

1. This narrative covers the Metals analysis of samples in the above STL Job.

   Method Ref: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limit.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

5. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

6. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.

7. Method Blank concentrations were less than the Reporting Limits.

8. Matrix QC was performed on Sample 1 (ICP).

   Serial Dilution analysis was within control limits except for Ba.

   Matrix spike (MS/MSD) recoveries were within the 75-125% control limits (exception – control limits are not applicable when the sample concentration exceed the spike added concentration by a factor of 4 or more).

   Duplicate result was within the 20% RPD control limits for sample concentrations greater than 5X the RL or +\- the RL for sample concentrations less than 5X the RL except for Ba.

Jodi L. Gromala
Metals Section Manager

10-21-05
Date

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241069
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/Laboratory Control Duplicate) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil sample was prepared using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. The soil sample was analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

John Nagel
GC/MS Dept.

10-26-05
Date

Severn Trent Services - Chicago
GC/MS BNA Case Narrative

HydroGeoLogic, Inc./OMA009-001-02-01-02/Hunter AAF
JOB Number: 241069
BNA DATA:

1. All extractions and analyses were performed within recommended hold-times.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) samples had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed

5. All samples had all surrogate recoveries within the in-house QC limits.

6. All samples had all internal standard areas and retention times within the SOP acceptance limits.

7. All samples were analyzed following USEPA SW846 8270C protocol.

Gary Rynkar
GC/MS Section Manager

10/3/15
Date

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SAMPLE INFORMATION
Date: 10/31/2005

Job Number.: 241069
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241069-1	MCA-S0018-0-2-1005	Soil	10/17/2005	15:00	10/18/2005	10:00
241069-2	MCA-SODUP103-1005	Soil	10/17/2005	15:00	10/18/2005	10:00
241069-3	EB101705	Water	10/17/2005	17:30	10/18/2005	10:00
241069-4	TB101705	Water	10/17/2005	18:00	10/18/2005	10:00

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	190	U		54	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	190	U		51	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,3-Dichlorobenzene, Low Level Soil*	190	U		48	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,4-Dichlorobenzene, Low Level Soil*	190	U		43	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,2-Dichlorobenzene, Low Level Soil*	190	U		57	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzyl alcohol, Low Level Soil*	380	U		170	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	190	U		42	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	190	U		50	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	190	U		43	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachloroethane, Low Level Soil*	190	U		60	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	190	U		100	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Chlorophenol, Low Level Soil*	190	U		46	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Nitrobenzene, Low Level Soil*	38	U		15	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	190	U		44	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	190	U		59	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzoic acid, Low Level Soil*	1900	U		390	1900	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Isophorone, Low Level Soil*	190	U		32	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dimethylphenol, Low Level Soil*	380	U		66	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachlorobutadiene, Low Level Soil*	190	U		54	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Naphthalene, Low Level Soil*	38	U		9.0	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dichlorophenol, Low Level Soil*	380	U		63	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Chloroaniline, Low Level Soil*	770	U		180	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	380	U		51	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	380	U		85	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	770	U		300	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Methylnaphthalene, Low Level Soil*	190	U		48	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Nitroaniline, Low Level Soil*	190	U		31	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Chloronaphthalene, Low Level Soil*	190	U		43	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	380	U		87	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,6-Dinitrotoluene, Low Level Soil*	190	U		45	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Nitrophenol, Low Level Soil*	380	U		110	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	3-Nitroaniline, Low Level Soil*	380	U		70	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Dimethyl phthalate, Low Level Soil*	190	U		18	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dinitrophenol, Low Level Soil*	770	U		310	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Acenaphthylene, Low Level Soil*	66			10	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dinitrotoluene, Low Level Soil*	190	U		32	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Acenaphthene, Low Level Soil*	38	U		7.6	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Dibenzofuran, Low Level Soil*	190	U		25	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Nitrophenol, Low Level Soil*	770	U		300	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Fluorene, Low Level Soil*	38	U		8.9	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Nitroaniline, Low Level Soil*	380	U		80	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	190	U		32	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachlorobenzene, Low Level Soil*	77	U		29	77	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Diethyl phthalate, Low Level Soil*	190	U		21	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	190	U		28	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Pentachlorophenol, Low Level Soil*	770	U		240	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	190	U		23	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	380	U		61	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Phenanthrene, Low Level Soil*	100			6.1	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Anthracene, Low Level Soil*	71			4.2	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Carbazole, Low Level Soil*	190	U		28	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Di-n-butyl phthalate, Low Level Soil*	190	U		31	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzidine, Low Level Soil*	1900	U		1900	1900	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Fluoranthene, Low Level Soil*	780			7.0	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Pyrene, Low Level Soil*	640			8.7	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Butyl benzyl phthalate, Low Level Soil*	190	U		23	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(a)anthracene, Low Level Soil*	410			8.4	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk

* In Description = Dry Wgt.

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Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	500			10	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	770	U		160	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	190	U		92	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Di-n-octyl phthalate, Low Level Soil*	190	U		35	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(b)fluoranthene, Low Level Soil*	700		H	7.5	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(k)fluoranthene, Low Level Soil*	320		M	12	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(a)pyrene, Low Level Soil*	410			6.5	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	240		H	13	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	92		H	8.3	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(ghi)perylene, Low Level Soil*	240			8.5	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
Method	% Solids Determination											
	% Solids, Solid	85.6			0.10	0.10	1	%	163018		10/18/05 1453	pfk
	% Moisture, Solid	14.4			0.10	0.10	1	%	163018		10/18/05 1453	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.70			0.036	0.19	5	mg/Kg	163170		10/19/05 1536	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	2.7			0.40	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Barium, Solid*	32			0.078	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Cadmium, Solid*	0.30			0.063	0.22	1	mg/Kg	163333		10/20/05 1330	tds
	Chromium, Solid*	5.1			0.11	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Lead, Solid*	200			0.27	0.54	1	mg/Kg	163333		10/20/05 1330	tds
	Selenium, Solid*	1.1	U		0.49	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Silver, Solid*	0.54	U		0.11	0.54	1	mg/Kg	163333		10/20/05 1330	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.6	U	*	1.1	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chloromethane, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Vinyl chloride, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromomethane, Solid*	5.6	U		3.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Chloroethane, Solid*	5.6	U		3.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Trichlorofluoromethane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1-Dichloroethene, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Carbon disulfide, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Acetone, Solid*	27			4.8	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Methylene chloride, Solid*	5.6	U		1.8	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	trans-1,2-Dichloroethene, Solid*	5.6	U		0.86	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.6	U		0.61	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1-Dichloroethane, Solid*	5.6	U		0.66	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2,2-Dichloropropane, Solid*	5.6	U		1.6	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	cis-1,2-Dichloroethene, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2-Butanone (MEK), Solid*	5.6	U		2.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromochloromethane, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Chloroform, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,1-Trichloroethane, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1-Dichloropropene, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Carbon tetrachloride, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Benzene, Solid*	5.6	U		0.77	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dichloroethane, Solid*	5.6	U		0.61	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Trichloroethene, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dichloropropane, Solid*	5.6	U		0.61	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Dibromomethane, Solid*	5.6	U		0.89	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromodichloromethane, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	cis-1,3-Dichloropropene, Solid*	5.6	U		0.65	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Toluene, Solid*	5.6	U		1.9	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241069

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,2-Trichloroethane, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Tetrachloroethene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,3-Dichloropropane, Solid*	5.6	U		0.68	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2-Hexanone, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Dibromochloromethane, Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.71	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Chlorobenzene, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Ethylbenzene, Solid*	5.6	U		0.71	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	163730		10/25/05 1956	ges
	o-Xylene, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Styrene, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromoform, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Isopropylbenzene, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromobenzene, Solid*	5.6	U		0.55	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		0.79	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2,3-Trichloropropane, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	n-Propylbenzene, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2-Chlorotoluene, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,3,5-Trimethylbenzene, Solid*	5.6	U		0.90	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	4-Chlorotoluene, Solid*	5.6	U		0.77	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	tert-Butylbenzene, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2,4-Trimethylbenzene, Solid*	5.6	U		0.95	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	sec-Butylbenzene, Solid*	5.6	U		0.93	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	p-Isopropyltoluene, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	n-Butylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2,3-Trichlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP103-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	230	U		64	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	230	U		60	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,3-Dichlorobenzene, Low Level Soil*	230	U		57	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,4-Dichlorobenzene, Low Level Soil*	230	U		50	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,2-Dichlorobenzene, Low Level Soil*	230	U		67	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzyl alcohol, Low Level Soil*	450	U		200	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	230	U		49	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	230	U		58	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	230	U		50	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachloroethane, Low Level Soil*	230	U		71	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	230	U		120	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Chlorophenol, Low Level Soil*	230	U		54	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Nitrobenzene, Low Level Soil*	45	U		18	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	230	U		52	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	230	U		69	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzoic acid, Low Level Soil*	2300	U		460	2300	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Isophorone, Low Level Soil*	230	U		38	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dimethylphenol, Low Level Soil*	450	U		77	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachlorobutadiene, Low Level Soil*	230	U		64	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Naphthalene, Low Level Soil*	45	U		11	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dichlorophenol, Low Level Soil*	450	U		75	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Chloroaniline, Low Level Soil*	910	U		210	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	450	U		60	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	450	U		100	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	910	U		360	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Methylnaphthalene, Low Level Soil*	230	U		57	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Nitroaniline, Low Level Soil*	230	U		37	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Chloronaphthalene, Low Level Soil*	230	U		50	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP103-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	450	U		100	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,6-Dinitrotoluene, Low Level Soil*	230	U		53	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Nitrophenol, Low Level Soil*	450	U		120	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	3-Nitroaniline, Low Level Soil*	450	U		83	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Dimethyl phthalate, Low Level Soil*	230	U		22	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dinitrophenol, Low Level Soil*	910	U		360	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Acenaphthylene, Low Level Soil*	14	J		12	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dinitrotoluene, Low Level Soil*	230	U		38	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Acenaphthene, Low Level Soil*	45	U		9.0	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Dibenzofuran, Low Level Soil*	230	U		30	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Nitrophenol, Low Level Soil*	910	U		350	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Fluorene, Low Level Soil*	45	U		10	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Nitroaniline, Low Level Soil*	450	U		94	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	230	U		38	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachlorobenzene, Low Level Soil*	91	U		34	91	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Diethyl phthalate, Low Level Soil*	230	U		24	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	230	U		33	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Pentachlorophenol, Low Level Soil*	910	U		280	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	230	U		27	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	450	U		72	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Phenanthrene, Low Level Soil*	120			7.2	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Anthracene, Low Level Soil*	35	J		4.9	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Carbazole, Low Level Soil*	230	U		33	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Di-n-butyl phthalate, Low Level Soil*	230	U		37	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzidine, Low Level Soil*	2300	U		2300	2300	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Fluoranthene, Low Level Soil*	300			8.3	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Pyrene, Low Level Soil*	230			10	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Butyl benzyl phthalate, Low Level Soil*	230	U		27	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(a)anthracene, Low Level Soil*	120			9.9	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP103-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	180			12	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	910	U		190	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	190	J		110	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Di-n-octyl phthalate, Low Level Soil*	230	U		41	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(b)fluoranthene, Low Level Soil*	240		M	8.8	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(k)fluoranthene, Low Level Soil*	97		M	14	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(a)pyrene, Low Level Soil*	130			7.6	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	81			15	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	28	J	H	9.8	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(ghi)perylene, Low Level Soil*	89			10	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
Method	% Solids Determination											
	% Solids, Solid	73.0			0.10	0.10	1	%	163018		10/18/05 1454	pfk
	% Moisture, Solid	27.0			0.10	0.10	1	%	163018		10/18/05 1454	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1.4			0.084	0.45	10	mg/Kg	163170		10/19/05 1539	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.5			0.49	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Barium, Solid*	29			0.096	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Cadmium, Solid*	0.31			0.078	0.27	1	mg/Kg	163333		10/20/05 1401	tds
	Chromium, Solid*	4.6			0.13	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Lead, Solid*	150			0.33	0.67	1	mg/Kg	163333		10/20/05 1401	tds
	Selenium, Solid*	1.3	U		0.60	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Silver, Solid*	0.67	U		0.13	0.67	1	mg/Kg	163333		10/20/05 1401	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	0.00020	U		0.000075	0.00020	1	mg/L	163418		10/21/05 1401	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic	0.010	U		0.0021	0.010	1	mg/L	163229		10/19/05 2003	tds
	Barium	0.0011	B		0.00032	0.010	1	mg/L	163229		10/19/05 2003	tds
	Cadmium	0.0020	U		0.00036	0.0020	1	mg/L	163229		10/19/05 2003	tds
	Chromium	0.0015	B		0.0013	0.010	1	mg/L	163229		10/19/05 2003	tds
	Lead	0.0050	U		0.0026	0.0050	1	mg/L	163229		10/19/05 2003	tds
	Selenium	0.010	U		0.0042	0.010	1	mg/L	163229		10/19/05 2003	tds
	Silver	0.0015	B		0.00090	0.0050	1	mg/L	163229		10/19/05 2003	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chloromethane	1.0	U	*	0.20	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn

* In Description = Dry Wgt.

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Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		1.2	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzyl alcohol, Low Level Water	19	U		3.3	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	Hexachloroethane, Low Level Water	4.8	U		1.7	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.73	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Chlorophenol, Low Level Water	4.8	U		1.3	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.37	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzoic acid, Low Level Water	19	U		8.0	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Isophorone, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		1.5	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Naphthalene, Low Level Water	0.96	U		0.082	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Chloroaniline, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.76	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		0.93	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		3.8	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.66	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Nitrophenol, Low Level Water	9.6	U		1.4	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	3-Nitroaniline, Low Level Water	9.6	U		0.65	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		11	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.075	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.26	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Acenaphthene, Low Level Water	0.96	U		0.090	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Nitrophenol, Low Level Water	19	U		7.5	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Fluorene, Low Level Water	0.96	U		0.076	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Nitroaniline, Low Level Water	9.6	U		1.4	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.92	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorobenzene, Low Level Water	0.48	U		0.15	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.87	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.27	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.0	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Phenanthrene, Low Level Water	0.96	U		0.077	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Anthracene, Low Level Water	0.96	U		0.086	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Carbazole, Low Level Water	4.8	U		0.77	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		1.1	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzidine, Low Level Water	38	U	*	7.4	38	1.00000	ug/L	164033		10/25/05 2146	dpk
	Fluoranthene, Low Level Water	0.96	U		0.044	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Pyrene, Low Level Water	0.96	U		0.074	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.12	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Chrysene, Low Level Water	0.48	U		0.14	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.93	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	9.6	U		6.3	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(b)fluoranthene, Low Level Water	0.19	U		0.076	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(k)fluoranthene, Low Level Water	0.19	U		0.096	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(a)pyrene, Low Level Water	0.19	U		0.15	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.19	U		0.18	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.29	U		0.17	0.29	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.16	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241069-4
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241069-4
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn

* In Description = Dry Wgt.

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Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241069-4
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163604		10/24/05 1156	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163604		10/24/05 1156	jdh

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241069 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241069-1 Client ID: MCA-S0018-0-2-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163018	163018	10/18/2005	1453	
5035	5035 Archon Closed Purge & Trap	1	163686		10/25/2005	1956	
5035	5035 Preservation High (Methanol)	1	163052		10/19/2005	0500	
5035	5035 Preservation Low	1	163051		10/19/2005	0505	
5035	5035 Preservation Low	2	163051		10/19/2005	0500	
3050B	Acid Digestion: Solids (ICAP)	1	163127		10/19/2005	1240	
EDD	Electronic Data Deliverable	1					
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163170	163159	10/19/2005	1536	5
6010B	Metals Analysis (ICAP Trace)	1	163333	163127	10/20/2005	1330	
7470/7471	SW846 Digestion (Hg)	1	163159		10/19/2005	1245	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1446	1.00000
8260B	Volatile Organics	1	163730	163051-163686	10/25/2005	1956	1.00000

Lab ID: 241069-2 Client ID: MCA-S0DUP103-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163018	163018	10/18/2005	1454	
3050B	Acid Digestion: Solids (ICAP)	1	163127		10/19/2005	1240	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163170	163159	10/19/2005	1539	10
6010B	Metals Analysis (ICAP Trace)	1	163333	163127	10/20/2005	1401	
7470/7471	SW846 Digestion (Hg)	1	163159		10/19/2005	1245	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1506	1.00000

Lab ID: 241069-3 Client ID: EB101705 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163477		10/22/2005	1618	
3010A	Acid Digestion (ICAP)	1	163049		10/18/2005	1815	
3510C	Extraction Sep. Funnel (SVOC)	1	163382		10/21/2005	1330	
7470A	Mercury (CVAA)	1	163418	163409	10/21/2005	1401	
6010B	Metals Analysis (ICAP Trace)	1	163229	163049	10/19/2005	2003	
7470/7471	SW846 Digestion (Hg)	1	163409		10/21/2005	1015	
8270C	Semivolatile Organics	1	164033	163382	10/25/2005	2146	1.00000
8260B	Volatile Organics	1	163510	163477	10/22/2005	1618	1.00000

Lab ID: 241069-4 Client ID: TB101705 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163477		10/22/2005	1641	
5030B	5030 10 mL Purge Prep	2	163575		10/24/2005	1156	
8260B	Volatile Organics	1	163604	163575	10/24/2005	1156	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 163730
Prep Batch..: 163051

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			10/25/2005	109	102	106	108
241069- 1		MCA-S0018-0-2-1005	10/25/2005	106	90	104	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163510
Prep Batch..: 163477

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/22/2005	103	101	108	100
LCS			10/22/2005	104	100	99	100
MB			10/22/2005	108	95	100	97
241069- 3		EB101705	10/22/2005	100	92	100	98

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163604
Prep Batch..: 163575

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/24/2005	102	100	107	100
LCS			10/24/2005	110	102	101	101
MB			10/24/2005	116	93	103	99
241069- 4		TB101705	10/24/2005	115	95	102	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 163730
Prep Batch..: 163686

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/25/2005	95	95	101	103
MB			10/25/2005	90	93	94	97

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SURROGATE RECOVERIES REPORT

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 163686
Method Code...: 8260B Batch(s).....: 163730

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Semivolatile Organics Test Matrix...: Low Level Soil Prep Batch..: 163290
Method Code...: 8270 Batch(s).....: 164092

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/26/2005	87	77	86	76	83	80
MB			10/28/2005	76	71	78	73	78	81
241069- 1		MCA-S0018-0-2-1005	10/28/2005	80	81	79	74	81	86
241069- 2		MCA-SODUP103-1005	10/28/2005	96	81	78	76	81	85

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	20 - 150
2FLUBP	2-Fluorobiphenyl (surr)	41 - 108
2FLUPH	2-Fluorophenol (surr)	35 - 118
NITRD5	Nitrobenzene-d5 (surr)	22 - 108
PHEND5	Phenol-d5 (surr)	21 - 129
TERD14	Terphenyl-d14 (surr)	37 - 137

Method.....: Semivolatile Organics Test Matrix...: Low Level Water Prep Batch..: 163382
Method Code...: 8270 Batch(s).....: 164033

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/25/2005	77	65	44	69	31	73
MB			10/25/2005	72	64	46	67	28	76
241069- 3		EB101705	10/25/2005	72	60	38	64	25	70

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	30 - 109
2FLUBP	2-Fluorobiphenyl (surr)	24 - 116
2FLUPH	2-Fluorophenol (surr)	13 - 100
NITRD5	Nitrobenzene-d5 (surr)	20 - 100
PHEND5	Phenol-d5 (surr)	17 - 100
TERD14	Terphenyl-d14 (surr)	12 - 137

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWL8LKB	163382-002		10/25/2005	1650

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164033

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Water	ug/L	20.065		50.000	5.000 U	40	%	23-100	
Bis(2-chloroethyl)ether, Low Level Wat	ug/L	34.346		50.000	2.000 U	69	%	42-100	
1,3-Dichlorobenzene, Low Level Water	ug/L	24.004		50.000	2.000 U	48	%	38-100	
1,4-Dichlorobenzene, Low Level Water	ug/L	24.417		50.000	2.000 U	49	%	38-100	
1,2-Dichlorobenzene, Low Level Water	ug/L	25.814		50.000	2.000 U	52	%	36-100	
Benzyl alcohol, Low Level Water	ug/L	31.423		50.000	20.000 U	63	%	41-105	
2-Methylphenol (o-cresol), Low Level W	ug/L	31.363		50.000	2.000 U	63	%	26-100	
2,2-oxybis (1-chloropropane), Low Leve	ug/L	32.348		50.000	2.000 U	65	%	35-107	
n-Nitroso-di-n-propylamine, Low Level	ug/L	35.109		50.000	0.500 U	70	%	41-107	
Hexachloroethane, Low Level Water	ug/L	21.176		50.000	5.000 U	42	%	34-100	
4-Methylphenol (m/p-cresol), Low Level	ug/L	29.106		50.000	2.000 U	58	%	28-100	
2-Chlorophenol, Low Level Water	ug/L	34.945		50.000	5.000 U	70	%	43-100	
Nitrobenzene, Low Level Water	ug/L	34.199		50.000	1.000 U	68	%	41-105	
Bis(2-chloroethoxy)methane, Low Level	ug/L	35.845		50.000	2.000 U	72	%	48-106	
1,2,4-Trichlorobenzene, Low Level Wate	ug/L	24.628		50.000	2.000 U	49	%	45-100	
Benzoic acid, Low Level Water	ug/L	19.551	J	50.000	20.000 U	39	%	27-111	
Isophorone, Low Level Water	ug/L	35.524		50.000	2.000 U	71	%	47-100	
2,4-Dimethylphenol, Low Level Water	ug/L	33.754		50.000	10.000 U	68	%	22-100	
Hexachlorobutadiene, Low Level Water	ug/L	20.595		50.000	5.000 U	41	%	41-100	
Naphthalene, Low Level Water	ug/L	29.744		50.000	1.000 U	59	%	32-100	
2,4-Dichlorophenol, Low Level Water	ug/L	35.930		50.000	10.000 U	72	%	52-100	
4-Chloroaniline, Low Level Water	ug/L	36.331		50.000	10.000 U	73	%	38-114	
2,4,6-Trichlorophenol, Low Level Water	ug/L	35.933		50.000	5.000 U	72	%	51-101	
2,4,5-Trichlorophenol, Low Level Water	ug/L	37.283		50.000	10.000 U	75	%	54-107	
Hexachlorocyclopentadiene, Low Level W	ug/L	23.819		50.000	20.000 U	48	%	10-100	
2-Methylnaphthalene, Low Level Water	ug/L	28.642		50.000	0.500 U	57	%	27-100	
2-Nitroaniline, Low Level Water	ug/L	29.486		50.000	5.000 U	59	%	50-112	
2-Chloronaphthalene, Low Level Water	ug/L	28.335		50.000	2.000 U	57	%	53-100	
4-Chloro-3-methylphenol, Low Level Wat	ug/L	35.912		50.000	10.000 U	72	%	50-105	
2,6-Dinitrotoluene, Low Level Water	ug/L	38.038		50.000	0.500 U	76	%	57-110	
2-Nitrophenol, Low Level Water	ug/L	36.412		50.000	10.000 U	73	%	48-100	
3-Nitroaniline, Low Level Water	ug/L	41.290		50.000	10.000 U	83	%	50-109	
Dimethyl phthalate, Low Level Water	ug/L	36.873		50.000	2.000 U	74	%	58-104	
2,4-Dinitrophenol, Low Level Water	ug/L	37.752		50.000	20.000 U	76	%	40-125	
Acenaphthylene, Low Level Water	ug/L	32.004		50.000	1.000 U	64	%	39-107	
2,4-Dinitrotoluene, Low Level Water	ug/L	37.476		50.000	1.000 U	75	%	56-115	
Acenaphthene, Low Level Water	ug/L	30.661		50.000	1.000 U	61	%	37-105	
Dibenzofuran, Low Level Water	ug/L	32.480		50.000	2.000 U	65	%	42-101	
4-Nitrophenol, Low Level Water	ug/L	21.742		50.000	20.000 U	43	%	30-116	
Fluorene, Low Level Water	ug/L	33.676		50.000	1.000 U	67	%	46-105	
4-Nitroaniline, Low Level Water	ug/L	39.757		50.000	10.000 U	80	%	40-124	
4-Bromophenyl phenyl ether, Low Level	ug/L	36.288		50.000	5.000 U	73	%	54-112	
Hexachlorobenzene, Low Level Water	ug/L	36.448		50.000	0.500 U	73	%	50-113	
Diethyl phthalate, Low Level Water	ug/L	36.518		50.000	2.000 U	73	%	55-107	
4-Chlorophenyl phenyl ether, Low Level	ug/L	32.240		50.000	5.000 U	64	%	58-103	
Pentachlorophenol, Low Level Water	ug/L	35.205		50.000	10.000 U	70	%	50-112	
n-Nitrosodiphenylamine, Low Level Wate	ug/L	35.765		50.000	1.000 U	72	%	49-109	
4,6-Dinitro-2-methylphenol, Low Level	ug/L	41.239		50.000	20.000 U	82	%	56-125	
Phenanthrene, Low Level Water	ug/L	36.616		50.000	1.000 U	73	%	46-110	
Anthracene, Low Level Water	ug/L	35.637		50.000	1.000 U	71	%	50-111	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163382-002		10/25/2005	1650

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Water	ug/L	37.374		50.000	5.000 U	75	%	49-133	
Di-n-butyl phthalate, Low Level Water	ug/L	34.109		50.000	5.000 U	68	%	45-132	
Benzidine, Low Level Water	ug/L	60.819		50.000	40.000 U	122	%	10-100	*
Fluoranthene, Low Level Water	ug/L	37.559		50.000	1.000 U	75	%	50-118	
Pyrene, Low Level Water	ug/L	34.986		50.000	1.000 U	70	%	40-115	
Butyl benzyl phthalate, Low Level Wate	ug/L	35.138		50.000	2.000 U	70	%	52-111	
Benzo(a)anthracene, Low Level Water	ug/L	35.202		50.000	0.200 U	70	%	42-112	
Chrysene, Low Level Water	ug/L	36.261		50.000	0.500 U	73	%	38-116	
3,3-Dichlorobenzidine, Low Level Water	ug/L	36.020		50.000	5.000 U	72	%	30-104	
Bis(2-ethylhexyl)phthalate, Low Level	ug/L	33.436		50.000	10.000 U	67	%	50-150	
Di-n-octyl phthalate, Low Level Water	ug/L	31.830		50.000	10.000 U	64	%	31-152	
Benzo(b)fluoranthene, Low Level Water	ug/L	44.010		50.000	0.200 U	88	%	33-115	
Benzo(k)fluoranthene, Low Level Water	ug/L	29.058		50.000	0.200 U	58	%	27-135	
Benzo(a)pyrene, Low Level Water	ug/L	35.376		50.000	0.200 U	71	%	27-119	
Indeno(1,2,3-cd)pyrene, Low Level Wate	ug/L	36.070		50.000	0.200 U	72	%	18-133	
Dibenzo(a,h)anthracene, Low Level Wate	ug/L	36.481		50.000	0.300 U	73	%	18-125	
Benzo(ghi)perylene, Low Level Water	ug/L	35.324		50.000	1.000 U	71	%	27-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163382-001		10/25/2005	1631

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164033

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Water	ug/L	5.000	U							
Bis(2-chloroethyl)ether, Low Level Wat	ug/L	2.000	U							
1,3-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
1,4-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
1,2-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
Benzyl alcohol, Low Level Water	ug/L	20.000	U							
2-Methylphenol (o-cresol), Low Level W	ug/L	2.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/L	2.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/L	0.500	U							
Hexachloroethane, Low Level Water	ug/L	5.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/L	2.000	U							
2-Chlorophenol, Low Level Water	ug/L	5.000	U							
Nitrobenzene, Low Level Water	ug/L	1.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/L	2.000	U							
1,2,4-Trichlorobenzene, Low Level Wate	ug/L	2.000	U							
Benzoic acid, Low Level Water	ug/L	20.000	U							
Isophorone, Low Level Water	ug/L	2.000	U							
2,4-Dimethylphenol, Low Level Water	ug/L	10.000	U							
Hexachlorobutadiene, Low Level Water	ug/L	5.000	U							
Naphthalene, Low Level Water	ug/L	1.000	U							
2,4-Dichlorophenol, Low Level Water	ug/L	10.000	U							
4-Chloroaniline, Low Level Water	ug/L	10.000	U							
2,4,6-Trichlorophenol, Low Level Water	ug/L	5.000	U							
2,4,5-Trichlorophenol, Low Level Water	ug/L	10.000	U							
Hexachlorocyclopentadiene, Low Level W	ug/L	20.000	U							
2-Methylnaphthalene, Low Level Water	ug/L	0.500	U							
2-Nitroaniline, Low Level Water	ug/L	5.000	U							
2-Chloronaphthalene, Low Level Water	ug/L	2.000	U							
4-Chloro-3-methylphenol, Low Level Wat	ug/L	10.000	U							
2,6-Dinitrotoluene, Low Level Water	ug/L	0.500	U							
2-Nitrophenol, Low Level Water	ug/L	10.000	U							
3-Nitroaniline, Low Level Water	ug/L	10.000	U							
Dimethyl phthalate, Low Level Water	ug/L	2.000	U							
2,4-Dinitrophenol, Low Level Water	ug/L	20.000	U							
Acenaphthylene, Low Level Water	ug/L	1.000	U							
2,4-Dinitrotoluene, Low Level Water	ug/L	1.000	U							
Acenaphthene, Low Level Water	ug/L	1.000	U							
Dibenzofuran, Low Level Water	ug/L	2.000	U							
4-Nitrophenol, Low Level Water	ug/L	20.000	U							
Fluorene, Low Level Water	ug/L	1.000	U							
4-Nitroaniline, Low Level Water	ug/L	10.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/L	5.000	U							
Hexachlorobenzene, Low Level Water	ug/L	0.500	U							
Diethyl phthalate, Low Level Water	ug/L	2.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/L	5.000	U							
Pentachlorophenol, Low Level Water	ug/L	10.000	U							
n-Nitrosodiphenylamine, Low Level Wate	ug/L	1.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/L	20.000	U							
Phenanthrene, Low Level Water	ug/L	1.000	U							
Anthracene, Low Level Water	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163382-001		10/25/2005	1631

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Water	ug/L	5.000	U							
Di-n-butyl phthalate, Low Level Water	ug/L	5.000	U							
Benzidine, Low Level Water	ug/L	40.000	U							
Fluoranthene, Low Level Water	ug/L	1.000	U							
Pyrene, Low Level Water	ug/L	1.000	U							
Butyl benzyl phthalate, Low Level Wate	ug/L	2.000	U							
Benzo(a)anthracene, Low Level Water	ug/L	0.200	U							
Chrysene, Low Level Water	ug/L	0.500	U							
3,3-Dichlorobenzidine, Low Level Water	ug/L	5.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/L	10.000	U							
Di-n-octyl phthalate, Low Level Water	ug/L	10.000	U							
Benzo(b)fluoranthene, Low Level Water	ug/L	0.200	U							
Benzo(k)fluoranthene, Low Level Water	ug/L	0.200	U							
Benzo(a)pyrene, Low Level Water	ug/L	0.200	U							
Indeno(1,2,3-cd)pyrene, Low Level Wate	ug/L	0.200	U							
Dibenzo(a,h)anthracene, Low Level Wate	ug/L	0.300	U							
Benzo(ghi)perylene, Low Level Water	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164092

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1629.550			1667.000	167.000	U	98	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1388.983			1667.000	167.000	U	83	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1261.034			1667.000	167.000	U	76	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1136.285			1667.000	167.000	U	68	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1262.924			1667.000	167.000	U	76	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1415.003			1667.000	330.000	U	85	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1335.777			1667.000	167.000	U	80	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1229.388			1667.000	167.000	U	74	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1322.107			1667.000	167.000	U	79	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1285.907			1667.000	167.000	U	77	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1439.356			1667.000	167.000	U	86	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1403.926			1667.000	167.000	U	84	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1309.770			1667.000	33.000	U	79	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1362.696			1667.000	167.000	U	82	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1305.254			1667.000	167.000	U	78	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1332.830	J		1667.000	1670.000	U	80	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1355.830			1667.000	167.000	U	81	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1393.503			1667.000	330.000	U	84	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1347.877			1667.000	167.000	U	81	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1270.911			1667.000	33.000	U	76	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1403.849			1667.000	330.000	U	84	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1290.187			1667.000	670.000	U	77	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1457.312			1667.000	330.000	U	87	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1511.555			1667.000	330.000	U	91	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1156.852			1667.000	670.000	U	69	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1276.741			1667.000	167.000	U	77	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1404.356			1667.000	167.000	U	84	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1323.370			1667.000	167.000	U	79	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1470.685			1667.000	330.000	U	88	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1507.452			1667.000	167.000	U	90	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1419.409			1667.000	330.000	U	85	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1442.719			1667.000	330.000	U	87	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1441.349			1667.000	167.000	U	86	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1394.829			1667.000	670.000	U	84	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1335.387			1667.000	33.000	U	80	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1381.416			1667.000	167.000	U	83	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1265.201			1667.000	33.000	U	76	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1365.380			1667.000	167.000	U	82	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1330.563			1667.000	670.000	U	80	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1311.290			1667.000	33.000	U	79	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1372.830			1667.000	330.000	U	82	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1289.567			1667.000	167.000	U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1374.746			1667.000	67.000	U	82	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1453.042			1667.000	167.000	U	87	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1399.956			1667.000	167.000	U	84	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1170.815			1667.000	670.000	U	70	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1326.700			1667.000	167.000	U	80	%	63-108	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1609.557			1667.000	330.000	U	97	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1391.923			1667.000	33.000	U	84	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1283.137			1667.000	33.000	U	77	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1381.293		1667.000	167.000 U	83	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1442.292		1667.000	167.000 U	87	%	51-130	
Benzidine, Low Level Soil	ug/Kg	1271.504	J	1670.000	1670.000 U	76	%	10-100	
Fluoranthene, Low Level Soil	ug/Kg	1313.507		1667.000	33.000 U	79	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1372.540		1667.000	33.000 U	82	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1485.928		1667.000	167.000 U	89	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1335.093		1667.000	33.000 U	80	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1351.173		1667.000	33.000 U	81	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	1398.699		1667.000	670.000 U	84	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1501.892		1667.000	167.000 U	90	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1547.025		1667.000	167.000 U	93	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1601.161		1667.000	33.000 U	96	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1255.254		1667.000	33.000 U	75	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1391.686		1667.000	33.000 U	84	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1402.539		1667.000	33.000 U	84	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1425.516		1667.000	33.000 U	86	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1370.210		1667.000	33.000 U	82	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	167.000	U							
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzyl alcohol, Low Level Soil	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), Low Level S	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	167.000	U							
Hexachloroethane, Low Level Soil	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	167.000	U							
2-Chlorophenol, Low Level Soil	ug/Kg	167.000	U							
Nitrobenzene, Low Level Soil	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzoic acid, Low Level Soil	ug/Kg	1670.000	U							
Isophorone, Low Level Soil	ug/Kg	167.000	U							
2,4-Dimethylphenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorobutadiene, Low Level Soil	ug/Kg	167.000	U							
Naphthalene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dichlorophenol, Low Level Soil	ug/Kg	330.000	U							
4-Chloroaniline, Low Level Soil	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, Low Level S	ug/Kg	670.000	U							
2-Methylnaphthalene, Low Level Soil	ug/Kg	167.000	U							
2-Nitroaniline, Low Level Soil	ug/Kg	167.000	U							
2-Chloronaphthalene, Low Level Soil	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	330.000	U							
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
2-Nitrophenol, Low Level Soil	ug/Kg	330.000	U							
3-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
Dimethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
2,4-Dinitrophenol, Low Level Soil	ug/Kg	670.000	U							
Acenaphthylene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
Acenaphthene, Low Level Soil	ug/Kg	33.000	U							
Dibenzofuran, Low Level Soil	ug/Kg	167.000	U							
4-Nitrophenol, Low Level Soil	ug/Kg	670.000	U							
Fluorene, Low Level Soil	ug/Kg	33.000	U							
4-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Hexachlorobenzene, Low Level Soil	ug/Kg	67.000	U							
Diethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Pentachlorophenol, Low Level Soil	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	330.000	U							
Phenanthrene, Low Level Soil	ug/Kg	33.000	U							
Anthracene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	167.000	U							
Di-n-butyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzidine, Low Level Soil	ug/Kg	1670.000	U							
Fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Pyrene, Low Level Soil	ug/Kg	33.000	U							
Butyl benzyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(a)anthracene, Low Level Soil	ug/Kg	33.000	U							
Chrysene, Low Level Soil	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	670.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	167.000	U							
Di-n-octyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(a)pyrene, Low Level Soil	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	33.000	U							
Benzo(ghi)perylene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J220SA	163477-027		10/22/2005	1942

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163510

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	8.797	18.300	25.000	1.000	U	35	%	24-171	
							70	R	20	*
Chloromethane	ug/L	18.851	14.358	25.000	1.000	U	75	%	31-182	
							27	R	20	*
Vinyl chloride	ug/L	19.941	19.274	25.000	1.000	U	80	%	50-145	
							3	R	20	
Bromomethane	ug/L	11.365	10.610	25.000	1.000	U	45	%	31-188	
							7	R	20	
Chloroethane	ug/L	23.492	21.261	25.000	1.000	U	94	%	58-148	
							10	R	20	
Trichlorofluoromethane	ug/L	17.427	24.694	25.000	1.000	U	70	%	54-142	
							35	R	20	*
1,1-Dichloroethene	ug/L	20.160	20.704	25.000	1.000	U	81	%	51-136	
							3	R	20	
Carbon disulfide	ug/L	18.886	18.430	25.000	5.000	U	76	%	21-111	
							2	R	20	
Acetone	ug/L	25.338	32.347	25.000	5.000	U	101	%	14-177	
							24	R	20	*
Methylene chloride	ug/L	23.624	20.324	25.000	1.000	U	94	%	64-127	
							15	R	20	
trans-1,2-Dichloroethene	ug/L	22.954	21.227	25.000	1.000	U	92	%	62-138	
							8	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.958	22.446	25.000	1.000	U	100	%	55-142	
							11	R	20	
1,1-Dichloroethane	ug/L	23.466	21.043	25.000	1.000	U	94	%	70-124	
							11	R	20	
2,2-Dichloropropane	ug/L	22.394	24.552	25.000	1.000	U	90	%	68-127	
							9	R	20	
cis-1,2-Dichloroethene	ug/L	24.427	21.125	25.000	1.000	U	98	%	70-125	
							15	R	20	
2-Butanone (MEK)	ug/L	23.065	25.492	25.000	5.000	U	92	%	29-139	
							10	R	20	
Bromochloromethane	ug/L	24.912	22.063	25.000	1.000	U	100	%	57-116	
							12	R	20	
Chloroform	ug/L	24.333	22.228	25.000	1.000	U	97	%	75-122	
							9	R	20	
1,1,1-Trichloroethane	ug/L	23.692	23.892	25.000	1.000	U	95	%	70-127	
							1	R	20	
1,1-Dichloropropene	ug/L	20.854	21.591	25.000	1.000	U	83	%	70-125	
							3	R	20	
Carbon tetrachloride	ug/L	20.563	25.112	25.000	1.000	U	82	%	64-132	
							20	R	20	
Benzene	ug/L	21.618	21.044	25.000	1.000	U	86	%	75-122	
							3	R	20	
1,2-Dichloroethane	ug/L	22.370	22.018	25.000	1.000	U	89	%	67-120	
							2	R	20	
Trichloroethene	ug/L	22.141	21.440	25.000	1.000	U	89	%	70-125	
							3	R	20	
1,2-Dichloropropane	ug/L	21.666	20.565	25.000	1.000	U	87	%	76-116	
							5	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J22DSA	163477-027		10/22/2005	1942

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.891	21.018	25.000	1.000 U	88 4	% R	68-116 20	
Bromodichloromethane	ug/L	24.698	24.353	25.000	1.000 U	99 1	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	22.463	21.856	26.000	1.000 U	86 3	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	21.411	21.186	25.000	5.000 U	86 1	% R	39-137 20	
Toluene	ug/L	22.665	22.128	25.000	1.000 U	91 2	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	20.406	20.921	24.000	1.000 U	85 2	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.003	21.248	25.000	1.000 U	96 12	% R	63-127 20	
Tetrachloroethene	ug/L	19.995	21.964	25.000	1.000 U	80 9	% R	45-150 20	
1,3-Dichloropropane	ug/L	21.443	21.174	25.000	1.000 U	86 1	% R	72-118 20	
2-Hexanone	ug/L	19.800	22.310	25.000	5.000 U	79 12	% R	36-144 20	
Dibromochloromethane	ug/L	22.901	22.443	25.000	1.000 U	92 2	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	22.580	21.474	25.000	1.000 U	90 5	% R	62-123 20	
Chlorobenzene	ug/L	21.276	20.967	25.000	1.000 U	85 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.509	23.228	25.000	1.000 U	94 1	% R	77-120 20	
Ethylbenzene	ug/L	21.954	22.150	25.000	1.000 U	88 1	% R	75-125 20	
m&p-Xylenes	ug/L	45.619	45.990	50.000	2.000 U	91 1	% R	75-123 20	
o-Xylene	ug/L	23.321	23.095	25.000	1.000 U	93 1	% R	76-121 20	
Styrene	ug/L	21.551	20.938	25.000	1.000 U	86 3	% R	77-128 20	
Bromoform	ug/L	22.645	22.227	25.000	1.000 U	91 2	% R	65-115 20	
Isopropylbenzene	ug/L	19.572	19.664	25.000	1.000 U	78 0	% R	64-119 20	
Bromobenzene	ug/L	22.032	21.315	25.000	1.000 U	88 3	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	20.361	19.368	25.000	1.000 U	81 5	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	20.543	19.999	25.000	1.000 U	82 3	% R	62-124 20	
n-Propylbenzene	ug/L	20.066	20.292	25.000	1.000 U	80 1	% R	69-132 20	
2-Chlorotoluene	ug/L	22.677	22.100	25.000	1.000 U	91 3	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	20.979	20.536	25.000	1.000 U	84 2	% R	70-132 20	
4-Chlorotoluene	ug/L	22.557	22.050	25.000	1.000 U	90 2	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J22DSA	163477-027		10/22/2005	1942

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	20.012	20.335	25.000	1.000 U	80 2	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	21.110	20.285	25.000	1.000 U	84 4	% R	71-131 20	
sec-Butylbenzene	ug/L	19.354	20.309	25.000	1.000 U	77 5	% R	70-134 20	
1,3-Dichlorobenzene	ug/L	21.216	20.274	25.000	1.000 U	85 5	% R	71-120 20	
p-Isopropyltoluene	ug/L	19.269	19.537	25.000	1.000 U	77 1	% R	66-130 20	
1,4-Dichlorobenzene	ug/L	20.785	19.713	25.000	1.000 U	83 5	% R	70-118 20	
n-Butylbenzene	ug/L	19.142	20.096	25.000	1.000 U	77 5	% R	64-142 20	
1,2-Dichlorobenzene	ug/L	21.597	20.342	25.000	1.000 U	86 6	% R	72-118 20	
1,2-Dibromo-3-chloropropane	ug/L	20.169	18.517	25.000	1.000 U	81 9	% R	57-119 20	
1,2,4-Trichlorobenzene	ug/L	21.402	19.754	25.000	1.000 U	86 8	% R	60-132 20	
Hexachlorobutadiene	ug/L	20.211	21.834	25.000	1.000 U	81 8	% R	63-145 20	
Naphthalene	ug/L	19.108	18.086	25.000	1.000 U	76 5	% R	57-128 20	
1,2,3-Trichlorobenzene	ug/L	21.402	19.590	25.000	1.000 U	86 9	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J220SA	163477-026		10/22/2005	0951

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163510

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.300		25.000	1.000 U	73	%	24-171	
Chloromethane	ug/L	14.358		25.000	1.000 U	57	%	31-182	
Vinyl chloride	ug/L	19.274		25.000	1.000 U	77	%	50-145	
Bromomethane	ug/L	10.610		25.000	1.000 U	42	%	31-188	
Chloroethane	ug/L	21.261		25.000	1.000 U	85	%	58-148	
Trichlorofluoromethane	ug/L	24.694		25.000	1.000 U	99	%	54-142	
1,1-Dichloroethene	ug/L	20.704		25.000	1.000 U	83	%	51-136	
Carbon disulfide	ug/L	18.430		25.000	5.000 U	74	%	21-111	
Acetone	ug/L	32.347		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	20.324		25.000	1.000 U	81	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.227		25.000	1.000 U	85	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	22.446		25.000	1.000 U	90	%	55-142	
1,1-Dichloroethane	ug/L	21.043		25.000	1.000 U	84	%	70-124	
2,2-Dichloropropane	ug/L	24.552		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	21.125		25.000	1.000 U	84	%	70-125	
2-Butanone (MEK)	ug/L	25.492		25.000	5.000 U	102	%	29-139	
Bromochloromethane	ug/L	22.063		25.000	1.000 U	88	%	57-116	
Chloroform	ug/L	22.228		25.000	1.000 U	89	%	75-122	
1,1,1-Trichloroethane	ug/L	23.892		25.000	1.000 U	96	%	70-127	
1,1-Dichloropropene	ug/L	21.591		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	25.112		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	21.044		25.000	1.000 U	84	%	75-122	
1,2-Dichloroethane	ug/L	22.018		25.000	1.000 U	88	%	67-120	
Trichloroethene	ug/L	21.440		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	20.565		25.000	1.000 U	82	%	76-116	
Dibromomethane	ug/L	21.018		25.000	1.000 U	84	%	68-116	
Bromodichloromethane	ug/L	24.353		25.000	1.000 U	97	%	75-125	
cis-1,3-Dichloropropene	ug/L	21.856		26.000	1.000 U	84	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.186		25.000	5.000 U	85	%	39-137	
Toluene	ug/L	22.128		25.000	1.000 U	89	%	77-120	
trans-1,3-Dichloropropene	ug/L	20.921		24.000	1.000 U	87	%	68-119	
1,1,2-Trichloroethane	ug/L	21.248		25.000	1.000 U	85	%	63-127	
Tetrachloroethene	ug/L	21.964		25.000	1.000 U	88	%	45-150	
1,3-Dichloropropane	ug/L	21.174		25.000	1.000 U	85	%	72-118	
2-Hexanone	ug/L	22.310		25.000	5.000 U	89	%	36-144	
Dibromochloromethane	ug/L	22.443		25.000	1.000 U	90	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	21.474		25.000	1.000 U	86	%	62-123	
Chlorobenzene	ug/L	20.967		25.000	1.000 U	84	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.228		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	22.150		25.000	1.000 U	89	%	75-125	
m&p-Xylenes	ug/L	45.990		50.000	2.000 U	92	%	75-123	
o-Xylene	ug/L	23.095		25.000	1.000 U	92	%	76-121	
Styrene	ug/L	20.938		25.000	1.000 U	84	%	77-128	
Bromoform	ug/L	22.227		25.000	1.000 U	89	%	65-115	
Isopropylbenzene	ug/L	19.664		25.000	1.000 U	79	%	64-119	
Bromobenzene	ug/L	21.315		25.000	1.000 U	85	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	19.368		25.000	1.000 U	77	%	61-122	
1,2,3-Trichloropropane	ug/L	19.999		25.000	1.000 U	80	%	62-124	
n-Propylbenzene	ug/L	20.292		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	22.100		25.000	1.000 U	88	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J220SA	163477-026		10/22/2005	0951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	20.536		25.000	1.000 U	82	%	70-132	
4-Chlorotoluene	ug/L	22.050		25.000	1.000 U	88	%	70-126	
tert-Butylbenzene	ug/L	20.335		25.000	1.000 U	81	%	70-133	
1,2,4-Trimethylbenzene	ug/L	20.285		25.000	1.000 U	81	%	71-131	
sec-Butylbenzene	ug/L	20.309		25.000	1.000 U	81	%	70-134	
1,3-Dichlorobenzene	ug/L	20.274		25.000	1.000 U	81	%	71-120	
p-Isopropyltoluene	ug/L	19.537		25.000	1.000 U	78	%	66-130	
1,4-Dichlorobenzene	ug/L	19.713		25.000	1.000 U	79	%	70-118	
n-Butylbenzene	ug/L	20.096		25.000	1.000 U	80	%	64-142	
1,2-Dichlorobenzene	ug/L	20.342		25.000	1.000 U	81	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	18.517		25.000	1.000 U	74	%	57-119	
1,2,4-Trichlorobenzene	ug/L	19.754		25.000	1.000 U	79	%	60-132	
Hexachlorobutadiene	ug/L	21.834		25.000	1.000 U	87	%	63-145	
Naphthalene	ug/L	18.086		25.000	1.000 U	72	%	57-128	
1,2,3-Trichlorobenzene	ug/L	19.590		25.000	1.000 U	78	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163477-025		10/22/2005	0929

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163510

Analyst...: jdh

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163477-025		10/22/2005	0929

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163575-025		10/24/2005	1956

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 163604

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.540	30.293	25.000	1.000 U	58	%	24-171	
						70	R	20	*
Chloromethane	ug/L	22.251	20.277	25.000	1.000 U	89	%	31-182	
						9	R	20	
Vinyl chloride	ug/L	22.777	24.513	25.000	1.000 U	91	%	50-145	
						7	R	20	
Bromomethane	ug/L	13.770	17.020	25.000	1.000 U	55	%	31-188	
						21	R	20	*
Chloroethane	ug/L	24.754	25.552	25.000	1.000 U	99	%	58-148	
						3	R	20	
Trichlorofluoromethane	ug/L	19.686	29.765	25.000	1.000 U	79	%	54-142	
						41	R	20	*
1,1-Dichloroethene	ug/L	19.998	20.294	25.000	1.000 U	80	%	51-136	
						1	R	20	
Carbon disulfide	ug/L	17.709	17.634	25.000	5.000 U	71	%	21-111	
						0	R	20	
Acetone	ug/L	19.448	25.260	25.000	5.000 U	78	%	14-177	
						26	R	20	*
Methylene chloride	ug/L	23.581	19.455	25.000	1.000 U	94	%	64-127	
						19	R	20	
trans-1,2-Dichloroethene	ug/L	22.345	20.498	25.000	1.000 U	89	%	62-138	
						9	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.787	23.330	25.000	1.000 U	103	%	55-142	
						10	R	20	
1,1-Dichloroethane	ug/L	23.130	21.514	25.000	1.000 U	93	%	70-124	
						7	R	20	
2,2-Dichloropropane	ug/L	22.869	25.063	25.000	1.000 U	91	%	68-127	
						9	R	20	
cis-1,2-Dichloroethene	ug/L	23.682	20.898	25.000	1.000 U	95	%	70-125	
						12	R	20	
2-Butanone (MEK)	ug/L	21.676	19.717	25.000	5.000 U	87	%	29-139	
						9	R	20	
Bromochloromethane	ug/L	24.993	22.329	25.000	1.000 U	100	%	57-116	
						11	R	20	
Chloroform	ug/L	24.164	22.683	25.000	1.000 U	97	%	75-122	
						6	R	20	
1,1,1-Trichloroethane	ug/L	23.338	24.691	25.000	1.000 U	93	%	70-127	
						6	R	20	
1,1-Dichloropropene	ug/L	21.020	21.543	25.000	1.000 U	84	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	20.539	26.848	25.000	1.000 U	82	%	64-132	
						27	R	20	*
Benzene	ug/L	21.436	21.048	25.000	1.000 U	86	%	75-122	
						2	R	20	
1,2-Dichloroethane	ug/L	22.119	23.912	25.000	1.000 U	88	%	67-120	
						8	R	20	
Trichloroethene	ug/L	21.342	21.566	25.000	1.000 U	85	%	70-125	
						1	R	20	
1,2-Dichloropropane	ug/L	21.733	20.324	25.000	1.000 U	87	%	76-116	
						7	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163575-025		10/24/2005	1956

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.572	22.262	25.000	1.000 U	86 3	% R	68-116 20	
Bromodichloromethane	ug/L	25.224	25.934	25.000	1.000 U	101 3	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	23.202	22.600	26.000	1.000 U	89 3	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.184	21.758	25.000	5.000 U	89 2	% R	39-137 20	
Toluene	ug/L	22.527	22.438	25.000	1.000 U	90 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	21.464	21.714	24.000	1.000 U	89 1	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.239	21.522	25.000	1.000 U	97 12	% R	63-127 20	
Tetrachloroethene	ug/L	20.616	22.319	25.000	1.000 U	82 8	% R	45-150 20	
1,3-Dichloropropane	ug/L	22.404	21.484	25.000	1.000 U	90 4	% R	72-118 20	
2-Hexanone	ug/L	21.173	20.505	25.000	5.000 U	85 3	% R	36-144 20	
Dibromochloromethane	ug/L	23.493	25.429	25.000	1.000 U	94 8	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	22.572	22.174	25.000	1.000 U	90 2	% R	62-123 20	
Chlorobenzene	ug/L	21.539	21.399	25.000	1.000 U	86 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.309	24.240	25.000	1.000 U	93 4	% R	77-120 20	
Ethylbenzene	ug/L	22.432	22.609	25.000	1.000 U	90 1	% R	75-125 20	
m&p-Xylenes	ug/L	46.119	48.299	50.000	2.000 U	92 5	% R	75-123 20	
o-Xylene	ug/L	23.922	23.838	25.000	1.000 U	96 0	% R	76-121 20	
Styrene	ug/L	21.673	21.190	25.000	1.000 U	87 2	% R	77-128 20	
Bromoform	ug/L	22.968	24.569	25.000	1.000 U	92 7	% R	65-115 20	
Isopropylbenzene	ug/L	20.279	20.183	25.000	1.000 U	81 0	% R	64-119 20	
Bromobenzene	ug/L	23.235	21.733	25.000	1.000 U	93 7	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	21.658	20.061	25.000	1.000 U	87 8	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	21.771	20.718	25.000	1.000 U	87 5	% R	62-124 20	
n-Propylbenzene	ug/L	20.527	20.676	25.000	1.000 U	82 1	% R	69-132 20	
2-Chlorotoluene	ug/L	23.365	22.770	25.000	1.000 U	93 3	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	21.444	21.305	25.000	1.000 U	86 1	% R	70-132 20	
4-Chlorotoluene	ug/L	22.853	22.962	25.000	1.000 U	91 0	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163575-025		10/24/2005	1956

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	20.572	20.716	25.000	1.000	U	82 1	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	21.681	21.423	25.000	1.000	U	87 1	% R	71-131 20	
sec-Butylbenzene	ug/L	19.670	20.623	25.000	1.000	U	79 5	% R	70-134 20	
1,3-Dichlorobenzene	ug/L	21.820	21.030	25.000	1.000	U	87 4	% R	71-120 20	
p-Isopropyltoluene	ug/L	19.613	20.184	25.000	1.000	U	78 3	% R	66-130 20	
1,4-Dichlorobenzene	ug/L	20.997	20.301	25.000	1.000	U	84 3	% R	70-118 20	
n-Butylbenzene	ug/L	19.140	20.753	25.000	1.000	U	77 8	% R	64-142 20	
1,2-Dichlorobenzene	ug/L	22.280	21.108	25.000	1.000	U	89 5	% R	72-118 20	
1,2-Dibromo-3-chloropropane	ug/L	21.907	20.036	25.000	1.000	U	88 9	% R	57-119 20	
1,2,4-Trichlorobenzene	ug/L	21.710	20.298	25.000	1.000	U	87 7	% R	60-132 20	
Hexachlorobutadiene	ug/L	20.132	21.886	25.000	1.000	U	81 8	% R	63-145 20	
Naphthalene	ug/L	19.959	17.637	25.000	1.000	U	80 12	% R	57-128 20	
1,2,3-Trichlorobenzene	ug/L	21.764	20.019	25.000	1.000	U	87 8	% R	66-124 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J240SA	163575-024		10/24/2005	1002

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163604

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	30.293		25.000	1.000 U	121	%	24-171	
Chloromethane	ug/L	20.277		25.000	1.000 U	81	%	31-182	
Vinyl chloride	ug/L	24.513		25.000	1.000 U	98	%	50-145	
Bromomethane	ug/L	17.020		25.000	1.000 U	68	%	31-188	
Chloroethane	ug/L	25.552		25.000	1.000 U	102	%	58-148	
Trichlorofluoromethane	ug/L	29.765		25.000	1.000 U	119	%	54-142	
1,1-Dichloroethene	ug/L	20.294		25.000	1.000 U	81	%	51-136	
Carbon disulfide	ug/L	17.634		25.000	5.000 U	71	%	21-111	
Acetone	ug/L	25.260		25.000	5.000 U	101	%	14-177	
Methylene chloride	ug/L	19.455		25.000	1.000 U	78	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.498		25.000	1.000 U	82	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	23.330		25.000	1.000 U	93	%	55-142	
1,1-Dichloroethane	ug/L	21.514		25.000	1.000 U	86	%	70-124	
2,2-Dichloropropane	ug/L	25.063		25.000	1.000 U	100	%	68-127	
cis-1,2-Dichloroethene	ug/L	20.898		25.000	1.000 U	84	%	70-125	
2-Butanone (MEK)	ug/L	19.717		25.000	5.000 U	79	%	29-139	
Bromochloromethane	ug/L	22.329		25.000	1.000 U	89	%	57-116	
Chloroform	ug/L	22.683		25.000	1.000 U	91	%	75-122	
1,1,1-Trichloroethane	ug/L	24.691		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.543		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	26.848		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	21.048		25.000	1.000 U	84	%	75-122	
1,2-Dichloroethane	ug/L	23.912		25.000	1.000 U	96	%	67-120	
Trichloroethene	ug/L	21.566		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	20.324		25.000	1.000 U	81	%	76-116	
Dibromomethane	ug/L	22.262		25.000	1.000 U	89	%	68-116	
Bromodichloromethane	ug/L	25.934		25.000	1.000 U	104	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.600		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.758		25.000	5.000 U	87	%	39-137	
Toluene	ug/L	22.438		25.000	1.000 U	90	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.714		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	21.522		25.000	1.000 U	86	%	63-127	
Tetrachloroethene	ug/L	22.319		25.000	1.000 U	89	%	45-150	
1,3-Dichloropropane	ug/L	21.484		25.000	1.000 U	86	%	72-118	
2-Hexanone	ug/L	20.505		25.000	5.000 U	82	%	36-144	
Dibromochloromethane	ug/L	25.429		25.000	1.000 U	102	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.174		25.000	1.000 U	89	%	62-123	
Chlorobenzene	ug/L	21.399		25.000	1.000 U	86	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.240		25.000	1.000 U	97	%	77-120	
Ethylbenzene	ug/L	22.609		25.000	1.000 U	90	%	75-125	
m&p-Xylenes	ug/L	48.299		50.000	2.000 U	97	%	75-123	
o-Xylene	ug/L	23.838		25.000	1.000 U	95	%	76-121	
Styrene	ug/L	21.190		25.000	1.000 U	85	%	77-128	
Bromoform	ug/L	24.569		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	20.183		25.000	1.000 U	81	%	64-119	
Bromobenzene	ug/L	21.733		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.061		25.000	1.000 U	80	%	61-122	
1,2,3-Trichloropropane	ug/L	20.718		25.000	1.000 U	83	%	62-124	
n-Propylbenzene	ug/L	20.676		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	22.770		25.000	1.000 U	91	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J24DSA	163575-024		10/24/2005	1002

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.305		25.000	1.000 U	85	%	70-132	
4-Chlorotoluene	ug/L	22.962		25.000	1.000 U	92	%	70-126	
tert-Butylbenzene	ug/L	20.716		25.000	1.000 U	83	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.423		25.000	1.000 U	86	%	71-131	
sec-Butylbenzene	ug/L	20.623		25.000	1.000 U	82	%	70-134	
1,3-Dichlorobenzene	ug/L	21.030		25.000	1.000 U	84	%	71-120	
p-Isopropyltoluene	ug/L	20.184		25.000	1.000 U	81	%	66-130	
1,4-Dichlorobenzene	ug/L	20.301		25.000	1.000 U	81	%	70-118	
n-Butylbenzene	ug/L	20.753		25.000	1.000 U	83	%	64-142	
1,2-Dichlorobenzene	ug/L	21.108		25.000	1.000 U	84	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	20.036		25.000	1.000 U	80	%	57-119	
1,2,4-Trichlorobenzene	ug/L	20.298		25.000	1.000 U	81	%	60-132	
Hexachlorobutadiene	ug/L	21.886		25.000	1.000 U	88	%	63-145	
Naphthalene	ug/L	17.637		25.000	1.000 U	71	%	57-128	
1,2,3-Trichlorobenzene	ug/L	20.019		25.000	1.000 U	80	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163575-023		10/24/2005	0940

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 163604

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U						
Chloromethane	ug/L	1.000	U						
Vinyl chloride	ug/L	1.000	U						
Bromomethane	ug/L	1.000	U						
Chloroethane	ug/L	1.000	U						
Trichlorofluoromethane	ug/L	1.000	U						
1,1-Dichloroethene	ug/L	1.000	U						
Carbon disulfide	ug/L	5.000	U						
Acetone	ug/L	5.000	U						
Methylene chloride	ug/L	1.000	U						
trans-1,2-Dichloroethene	ug/L	1.000	U						
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U						
1,1-Dichloroethane	ug/L	1.000	U						
2,2-Dichloropropane	ug/L	1.000	U						
cis-1,2-Dichloroethene	ug/L	1.000	U						
2-Butanone (MEK)	ug/L	5.000	U						
Bromochloromethane	ug/L	1.000	U						
Chloroform	ug/L	1.000	U						
1,1,1-Trichloroethane	ug/L	1.000	U						
1,1-Dichloropropene	ug/L	1.000	U						
Carbon tetrachloride	ug/L	1.000	U						
Benzene	ug/L	1.000	U						
1,2-Dichloroethane	ug/L	1.000	U						
Trichloroethene	ug/L	1.000	U						
1,2-Dichloropropane	ug/L	1.000	U						
Dibromomethane	ug/L	1.000	U						
Bromodichloromethane	ug/L	1.000	U						
cis-1,3-Dichloropropene	ug/L	1.000	U						
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U						
Toluene	ug/L	1.000	U						
trans-1,3-Dichloropropene	ug/L	1.000	U						
1,1,2-Trichloroethane	ug/L	1.000	U						
Tetrachloroethene	ug/L	1.000	U						
1,3-Dichloropropane	ug/L	1.000	U						
2-Hexanone	ug/L	5.000	U						
Dibromochloromethane	ug/L	1.000	U						
1,2-Dibromoethane (EDB)	ug/L	1.000	U						
Chlorobenzene	ug/L	1.000	U						
1,1,1,2-Tetrachloroethane	ug/L	1.000	U						
Ethylbenzene	ug/L	1.000	U						
m&p-Xylenes	ug/L	2.000	U						
o-Xylene	ug/L	1.000	U						
Styrene	ug/L	1.000	U						
Bromoform	ug/L	1.000	U						
Isopropylbenzene	ug/L	1.000	U						
Bromobenzene	ug/L	1.000	U						
1,1,2,2-Tetrachloroethane	ug/L	1.000	U						
1,2,3-Trichloropropane	ug/L	1.000	U						
n-Propylbenzene	ug/L	1.000	U						
2-Chlorotoluene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163575-023		10/24/2005	0940

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241069	163051-003		10/25/2005	1931

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 163730

Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EBT	Extraction Blank 1	241069	163051-003		10/25/2005	1931

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSG	163686-013		10/25/2005	1906

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 163730

Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	16.195		50.000	5.000 U	32	%	39-159	*
Chloromethane, Solid	ug/Kg	30.446		50.000	5.000 U	61	%	42-180	
Vinyl chloride, Solid	ug/Kg	33.130		50.000	5.000 U	66	%	60-125	
Bromomethane, Solid	ug/Kg	60.732		50.000	5.000 U	121	%	39-165	
Chloroethane, Solid	ug/Kg	47.548		50.000	5.000 U	95	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	37.624		50.000	5.000 U	75	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	41.831		50.000	5.000 U	84	%	47-141	
Carbon disulfide, Solid	ug/Kg	44.609		50.000	5.000 U	89	%	22-118	
Acetone, Solid	ug/Kg	64.399		50.000	5.000 U	129	%	50-176	
Methylene chloride, Solid	ug/Kg	45.859		50.000	5.000 U	92	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	45.545		50.000	5.000 U	91	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	50.162		50.000	5.000 U	100	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	47.425		50.000	5.000 U	95	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	42.833		50.000	5.000 U	86	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	49.254		50.000	5.000 U	99	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	52.521		50.000	5.000 U	105	%	41-166	
Bromochloromethane, Solid	ug/Kg	48.820		50.000	5.000 U	98	%	61-122	
Chloroform, Solid	ug/Kg	48.776		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	46.936		50.000	5.000 U	94	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	46.006		50.000	5.000 U	92	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	45.812		50.000	5.000 U	92	%	67-130	
Benzene, Solid	ug/Kg	45.781		50.000	5.000 U	92	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	46.677		50.000	5.000 U	93	%	72-134	
Trichloroethene, Solid	ug/Kg	47.492		50.000	5.000 U	95	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	47.932		50.000	5.000 U	96	%	76-124	
Dibromomethane, Solid	ug/Kg	46.341		50.000	5.000 U	93	%	75-122	
Bromodichloromethane, Solid	ug/Kg	50.925		50.000	5.000 U	102	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	45.202		52.000	5.000 U	87	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.475		50.000	5.000 U	103	%	57-144	
Toluene, Solid	ug/Kg	46.349		50.000	5.000 U	93	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	42.035		48.000	5.000 U	88	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	49.766		50.000	5.000 U	100	%	79-133	
Tetrachloroethene, Solid	ug/Kg	42.964		50.000	5.000 U	86	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	43.934		50.000	5.000 U	88	%	81-123	
2-Hexanone, Solid	ug/Kg	46.812		50.000	5.000 U	94	%	57-148	
Dibromochloromethane, Solid	ug/Kg	48.298		50.000	5.000 U	97	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	47.052		50.000	5.000 U	94	%	77-123	
Chlorobenzene, Solid	ug/Kg	44.359		50.000	5.000 U	89	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	46.992		50.000	5.000 U	94	%	78-126	
Ethylbenzene, Solid	ug/Kg	44.629		50.000	5.000 U	89	%	73-121	
m&p-Xylenes, Solid	ug/Kg	92.069		100.000	10.000 U	92	%	73-122	
o-Xylene, Solid	ug/Kg	46.303		50.000	5.000 U	93	%	75-120	
Styrene, Solid	ug/Kg	47.627		50.000	5.000 U	95	%	76-124	
Bromoform, Solid	ug/Kg	46.575		50.000	5.000 U	93	%	72-132	
Isopropylbenzene, Solid	ug/Kg	43.505		50.000	5.000 U	87	%	59-114	
Bromobenzene, Solid	ug/Kg	47.159		50.000	5.000 U	94	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	42.122		50.000	5.000 U	84	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	45.660		50.000	5.000 U	91	%	75-126	
n-Propylbenzene, Solid	ug/Kg	47.288		50.000	5.000 U	95	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	47.190		50.000	5.000 U	94	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSB	163686-013		10/25/2005	1906

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	47.011		50.000	5.000 U	94	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	46.343		50.000	5.000 U	93	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	45.131		50.000	5.000 U	90	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	46.236		50.000	5.000 U	92	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	45.274		50.000	5.000 U	91	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	42.885		50.000	5.000 U	86	%	65-121	
n-Butylbenzene, Solid	ug/Kg	44.339		50.000	5.000 U	89	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	44.185		50.000	5.000 U	88	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	39.577		50.000	5.000 U	79	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163686-012		10/25/2005	1834

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 163730

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163686-012		10/25/2005	1834

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163049-002		10/19/2005	1705

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 163229

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.09806		0.10000	0.00210 U	98	%	80-120	
Barium	mg/L	1.96908		2.00000	0.00032 U	98	%	80-120	
Cadmium	mg/L	0.04833		0.05000	0.00036 U	97	%	80-120	
Chromium	mg/L	0.19884		0.20000	0.00179 B	99	%	80-120	
Lead	mg/L	0.10198		0.10000	0.00260 U	102	%	80-120	
Selenium	mg/L	0.10207		0.10000	0.00420 U	102	%	80-120	
Silver	mg/L	0.04886		0.05000	0.00201 B	98	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163049	163049-001		10/19/2005	1659

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 163229

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.00210 U							
Barium	mg/L	0.00032 U							
Cadmium	mg/L	0.00036 U							
Chromium	mg/L	0.00179 B							
Lead	mg/L	0.00260 U							
Selenium	mg/L	0.00420 U							
Silver	mg/L	0.00201 B							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163127-002		10/20/2005	1311

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.45		10.00	0.37	U	94	%	80-120	
Barium, Solid	mg/Kg	197.79		200.00	0.38	B	99	%	80-120	
Cadmium, Solid	mg/Kg	4.64		5.00	0.06	U	93	%	80-120	
Chromium, Solid	mg/Kg	19.34		20.00	0.30	B	97	%	80-120	
Lead, Solid	mg/Kg	9.67		10.00	0.25	U	97	%	80-120	
Selenium, Solid	mg/Kg	10.06		10.00	0.45	U	101	%	80-120	
Silver, Solid	mg/Kg	4.87		5.00	0.10	B	97	%	80-120	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163127	163127-001		10/20/2005	1305

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 163333

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.38	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.30	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	B							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241069-1		10/20/2005	1342

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	1.65				2.66	1.01	A	1.06	
Barium, Solid	mg/Kg	26.32				32.31	20.4	R	20.0	*
Cadmium, Solid	mg/Kg	0.24				0.30	0.06	A	0.21	
Chromium, Solid	mg/Kg	4.11				5.09	0.98	A	1.06	
Lead, Solid	mg/Kg	238.91				201.19	17.1	R	20.0	
Selenium, Solid	mg/Kg	0.48	U			0.48	U 0.01	A	1.06	
Silver, Solid	mg/Kg	0.11	U			0.11	U 0.01	A	0.53	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05ISPK001	241069-1		10/20/2005	1348

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 163333
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	12.70		10.91	2.66	92	%	75-125	
Barium, Solid	mg/Kg	247.42		218.20	32.31	99	%	75-125	
Cadmium, Solid	mg/Kg	5.18		5.45	0.30	89	%	75-125	
Chromium, Solid	mg/Kg	29.98		21.82	5.09	114	%	75-125	
Lead, Solid	mg/Kg	279.04		10.91	201.19	714	%	75-125	4
Selenium, Solid	mg/Kg	10.19		10.91	0.49	U 93	%	75-125	
Silver, Solid	mg/Kg	5.11		5.45	0.11	U 94	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M051SPK001	241069-1		10/20/2005	1355

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	12.26	12.70	11.35	2.66		85	%	75-125	
							7.9	R	20	
Barium, Solid	mg/Kg	249.58	247.42	227.10	32.31		96	%	75-125	
							3.1	R	20	
Cadmium, Solid	mg/Kg	5.42	5.18	5.68	0.30		90	%	75-125	
							1.1	R	20	
Chromium, Solid	mg/Kg	27.41	29.98	22.71	5.09		98	%	75-125	
							15.1	R	20	
Lead, Solid	mg/Kg	263.46	279.04	11.35	201.19		548	%	75-125	4
							26.3	R	20	*
Selenium, Solid	mg/Kg	10.69	10.19	11.35	0.51	U	94	%	75-125	
							1.1	R	20	
Silver, Solid	mg/Kg	5.38	5.11	5.68	0.11	U	95	%	75-125	
							1.1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241069-1		10/20/2005	1336

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.82	B			2.66					
Barium, Solid	mg/Kg	7.68				32.31		18.8	D	10.0	E
Cadmium, Solid	mg/Kg	0.08	B			0.30					
Chromium, Solid	mg/Kg	1.17				5.09					
Lead, Solid	mg/Kg	42.47				201.19		5.5	D	10.0	
Selenium, Solid	mg/Kg	0.49	U			0.49	U				
Silver, Solid	mg/Kg	0.11	U			0.11	U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163018 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163018-001		%	0.1000 U								10/18/2005	1435

Test Method.....: 7471A Batch.....: 163170 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163159-007		mg/Kg	0.01 U								10/19/2005	1428
LCS	163159-008	MO4LSTK010	mg/Kg	0.17		0.17	0.01 U	105		%	80-120	10/19/2005	1430

Test Method.....: 7470A Batch.....: 163418 Analyst...: gok
Method Description.: Mercury (CVAA) Equipment Code....: HG4 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163409-007		mg/L	0.00008 U								10/21/2005	1302
LCS	163409-008	MO4LSTK010	mg/L	0.00203		0.00200	0.00008 U	102		%	80-120	10/21/2005	1304
MB	163410-007		mg/L	0.00008 U								10/21/2005	1407
LCS	163410-008	MO4LSTK010	mg/L	0.00209		0.00200	0.00008 U	105		%	80-120	10/21/2005	1410
MB	163411-007		mg/L	0.00008 U								10/21/2005	1516
LCS	163411-008	MO4LSTK010	mg/L	0.00205		0.00200	0.00008 U	102		%	80-120	10/21/2005	1518

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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University Park, IL 60466
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Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: AGL
Address: ADAT Way 10, EXECUTIVE PK 313 USHERS Rd BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EEVANS@AGL.COM

Bill To:
Contact:
Company: SAME AS REPORT TO
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 2410169

Package Sealed: Yes / No	Samples Sealed: Yes / No
Received on Ice: Yes / No	Samples Intact: Yes / No
Temperature °C of Cooler: (2.8)	(3.3)
Within Hold Time: Yes / No	Preserv. Indicated: Yes / No / NA
pH Check OK: Yes / No / NA	Res Cl_2 Check OK: Yes / No / NA
Sample Labels and COC Agree: Yes / No	COC not present

Sampler Name: M. Jackson
Signature: Mill D Jackson
Project Name: GW Plume Delineation
Project Number: OMA009-001-02-01-02
Project Location: MCA Barracks - Hunt Plume
Date Required: SEE TAT NOTES
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Markley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	RCRA Metals	SVOCs 8270C	VOCs (Chrom) 8260B	SVOCs 8270C	RCRA Metals
		MCA-GW032-15-1005	10-17-05	1525	GW	G	X					
		MCA-GW032-30-1005		1555								
		MCA-GW032-45-1005		1655								
1		MCA-SOIL8-0-2-1005		1500	Soil	C		X	X	X	X	X
2		MCA-SOIL8103-1005		1200	Soil			X	X	X	X	X
3		EB1017005		1730	W	G	X	X	X			
4		TB1017005		1800	W		X					

Refrg #: 3 | 1 | 2 | 3 | 1 | 1
 # / Cont.: 4ml | 250 | 1L | 5g | 4oz | 4oz
Volume: | HCl | Ice | Ice | pH | pH
Preserv:

Additional Analyses / Remarks
3-DAY TAT
STANDARD TAT

RELINQUISHED BY	COMPANY	DATE	TIME
[signature]	AGL	10-17-05	1960
RELINQUISHED BY	COMPANY	DATE	TIME

RECEIVED BY	COMPANY	DATE	TIME
[signature]	SR	10/18/05	1000
RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
3 DAY TAT for 3 Groundwater samples AS INDICATED

Date Received 10/18/05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

Note Number : 91362
Date : 10/18/2005
Author : lsm
Subject : RE: SDR

JOB

Project Code....:

Location Code...: 57222
Job/Sales Order.: 241069 HUNTER AAF

Customer.....: HYDROGEOLO HydroGeoLogic, Inc.
Contact Location: LATHAM NY Latham, NY
Contact.....: JACKSON M Mike Jackson

Invoice.....:

Batch.....:

Note For.....:

> SAMPLE MCA-S0018-0-2-1005 2 OF THE ENCORE ID'S SAY SOO8, THE TIMES MATCH
> FOR S0018. AND FOR SAMPLE MCA-SODUP103 CLIENT HAS VOC'S CHECKED BUT ONLY
> REC'D 2-4OZ JARS.NO ENCORES LIKE SAMPLE S0018.

Per Mike Jackson:
1. Correct ID is MCA-S0018-0-2-105 as written on the COC.
2. Sample MCA-SODUP103 does not need VOCs - I cancelled the 8260/5030 analysis for this sample.

Please include the SDR with the final report.

SEVERN TRENT STL

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241068

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/24/2005

Linda S Mackley
Signature

10-24-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (22) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent	Title	Date
Maurelly D. Kinney	QA Specialist	08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeologic, Inc.
Hunter AAF
Job Number: 241068
VOA DATA: 8260

1. All sample analyses were performed within the method required hold-time.

2. The MB (Method Blank) sample had all analytes undetected.

3. The LCS (Laboratory Control Sample) had all spike recoveries within the QC limits.

4. Matrix Spike and Matrix Spike Duplicate analysis were not performed on this sample set.

5. The volatile samples had all surrogate recoveries within the QC limits.

6. The water samples were prepared using method 5030. The samples were analyzed following SW846 Method 8260B and 8000B. All other calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed without dilution using a 10ml purge volume.

John Nagel
GC/MS VOA Dept.

10-21-05
Date

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SAMPLE INFORMATION
Date: 10/24/2005

Job Number.: 241068
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241068-1	MCA-GW032-15-1005	Water	10/17/2005	15:25	10/18/2005	10:00
241068-2	MCA-GW032-30-1005	Water	10/17/2005	15:55	10/18/2005	10:00
241068-3	MCA-GW032-45-1005	Water	10/17/2005	16:55	10/18/2005	10:00

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LABORATORY TEST RESULTS

Job Number: 241068 Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-D2 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-15-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:25
Sample Matrix.....: Water

Laboratory Sample ID: 241068-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: DNA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-15-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:25
Sample Matrix.....: Water

Laboratory Sample ID: 241068-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-15-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:25
Sample Matrix.....: Water

Laboratory Sample ID: 241068-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163405		10/21/05 1227	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-30-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:55
Sample Matrix.....: Water

Laboratory Sample ID: 241068-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	cis-1,2-Dichloroethene	4.1			0.20	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Trichloroethene	35			0.13	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-30-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:55
Sample Matrix.....: Water

Laboratory Sample ID: 241068-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Tetrachloroethene	2.5			0.18	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-30-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:55
Sample Matrix.....: Water

Laboratory Sample ID: 241068-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163405		10/21/05 1251	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-45-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 16:55
Sample Matrix.....: Water

Laboratory Sample ID: 241068-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	cis-1,2-Dichloroethene	1.3			0.20	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Trichloroethene	2.6			0.13	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068 Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-45-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 16:55
Sample Matrix.....: Water

Laboratory Sample ID: 241068-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241068

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CHA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW032-45-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 16:55
Sample Matrix.....: Water

Laboratory Sample ID: 241068-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163405		10/21/05 1315	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241068 Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241068-1 Client ID: MCA-GW032-15-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163387		10/21/2005 1227	
8260B	Volatile Organics	1	163405	163387	10/21/2005 1227	1.00000

Lab ID: 241068-2 Client ID: MCA-GW032-30-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163387		10/21/2005 1251	
8260B	Volatile Organics	1	163405	163387	10/21/2005 1251	1.00000

Lab ID: 241068-3 Client ID: MCA-GW032-45-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163387		10/21/2005 1315	
8260B	Volatile Organics	1	163405	163387	10/21/2005 1315	1.00000

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 241068 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163387
Method Code...: 8260B Batch(s).....: 163405

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/21/2005	95	101	108	99
MB			10/21/2005	105	95	105	98
241068-	1	MCA-GW032-15-1005	10/21/2005	105	93	107	96
241068-	2	MCA-GW032-30-1005	10/21/2005	106	90	111	97
241068-	3	MCA-GW032-45-1005	10/21/2005	115	88	101	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241068

Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J21DSA	163387-005		10/21/2005	0914

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 163405

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	13.949		25.000	1.000 U	56	%	24-171	
Chloromethane	ug/L	28.183		25.000	1.000 U	113	%	31-182	
Vinyl chloride	ug/L	24.711		25.000	1.000 U	99	%	50-145	
Bromomethane	ug/L	31.062		25.000	1.000 U	124	%	31-188	
Chloroethane	ug/L	30.933		25.000	1.000 U	124	%	58-148	
Trichlorofluoromethane	ug/L	18.702		25.000	1.000 U	75	%	54-142	
1,1-Dichloroethene	ug/L	22.860		25.000	1.000 U	91	%	51-136	
Carbon disulfide	ug/L	22.578		25.000	5.000 U	90	%	21-111	
Acetone	ug/L	25.642		25.000	5.000 U	103	%	14-177	
Methylene chloride	ug/L	24.914		25.000	1.000 U	100	%	64-127	
trans-1,2-Dichloroethene	ug/L	26.704		25.000	1.000 U	107	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.587		25.000	1.000 U	98	%	55-142	
1,1-Dichloroethane	ug/L	24.999		25.000	1.000 U	100	%	70-124	
2,2-Dichloropropane	ug/L	24.007		25.000	1.000 U	96	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.716		25.000	1.000 U	103	%	70-125	
2-Butanone (MEK)	ug/L	28.367		25.000	5.000 U	113	%	29-139	
Bromochloromethane	ug/L	22.181		25.000	1.000 U	89	%	57-116	
Chloroform	ug/L	25.964		25.000	1.000 U	104	%	75-122	
1,1,1-Trichloroethane	ug/L	23.962		25.000	1.000 U	96	%	70-127	
1,1-Dichloropropene	ug/L	22.657		25.000	1.000 U	91	%	70-125	
Carbon tetrachloride	ug/L	21.926		25.000	1.000 U	88	%	64-132	
Benzene	ug/L	23.070		25.000	1.000 U	92	%	75-122	
1,2-Dichloroethane	ug/L	23.244		25.000	1.000 U	93	%	67-120	
Trichloroethene	ug/L	22.524		25.000	1.000 U	90	%	70-125	
1,2-Dichloropropane	ug/L	23.396		25.000	1.000 U	94	%	76-116	
Dibromomethane	ug/L	18.192		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	25.340		25.000	1.000 U	101	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.033		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.345		25.000	5.000 U	97	%	39-137	
Toluene	ug/L	23.493		25.000	1.000 U	94	%	77-120	
trans-1,3-Dichloropropene	ug/L	20.069		24.000	1.000 U	84	%	68-119	
1,1,2-Trichloroethane	ug/L	24.040		25.000	1.000 U	96	%	63-127	
Tetrachloroethene	ug/L	21.546		25.000	1.000 U	86	%	45-150	
1,3-Dichloropropane	ug/L	22.788		25.000	1.000 U	91	%	72-118	
2-Hexanone	ug/L	27.706		25.000	5.000 U	111	%	36-144	
Dibromochloromethane	ug/L	23.537		25.000	1.000 U	94	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.665		25.000	1.000 U	91	%	62-123	
Chlorobenzene	ug/L	21.881		25.000	1.000 U	88	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	22.629		25.000	1.000 U	91	%	77-120	
Ethylbenzene	ug/L	23.831		25.000	1.000 U	95	%	75-125	
m&p-Xylenes	ug/L	46.287		50.000	2.000 U	93	%	75-123	
o-Xylene	ug/L	23.552		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	24.268		25.000	1.000 U	97	%	77-128	
Bromoform	ug/L	22.082		25.000	1.000 U	88	%	65-115	
Isopropylbenzene	ug/L	20.940		25.000	1.000 U	84	%	64-119	
Bromobenzene	ug/L	22.947		25.000	1.000 U	92	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	23.076		25.000	1.000 U	92	%	61-122	
1,2,3-Trichloropropane	ug/L	22.121		25.000	1.000 U	88	%	62-124	
n-Propylbenzene	ug/L	23.751		25.000	1.000 U	95	%	69-132	
2-Chlorotoluene	ug/L	23.224		25.000	1.000 U	93	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: Z41068 — Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J21DSA	163387-005		10/21/2005	0914

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.302		25.000	1.000 U	97	%	70-132	
4-Chlorotoluene	ug/L	23.224		25.000	1.000 U	93	%	70-126	
tert-Butylbenzene	ug/L	23.074		25.000	1.000 U	92	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.937		25.000	1.000 U	96	%	71-131	
sec-Butylbenzene	ug/L	22.891		25.000	1.000 U	92	%	70-134	
1,3-Dichlorobenzene	ug/L	22.625		25.000	1.000 U	91	%	71-120	
p-Isopropyltoluene	ug/L	21.937		25.000	1.000 U	88	%	66-130	
1,4-Dichlorobenzene	ug/L	21.752		25.000	1.000 U	87	%	70-118	
n-Butylbenzene	ug/L	23.974		25.000	1.000 U	96	%	64-142	
1,2-Dichlorobenzene	ug/L	22.287		25.000	1.000 U	89	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	22.170		25.000	1.000 U	89	%	57-119	
1,2,4-Trichlorobenzene	ug/L	22.178		25.000	1.000 U	89	%	60-132	
Hexachlorobutadiene	ug/L	22.170		25.000	1.000 U	89	%	63-145	
Naphthalene	ug/L	21.886		25.000	1.000 U	88	%	57-128	
1,2,3-Trichlorobenzene	ug/L	22.413		25.000	1.000 U	90	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241068 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163387-004		10/21/2005	0738

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163405

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241068 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163387-004		10/21/2005	0738

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIK EVANS
Company: HGL
Address: Northway 10 Executive Pk
313 Usher's Rd
Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EEVANS@HGL.com

Bill To:
Contact: Same as
Company: report to
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 241068

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 2.8 3.3

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No R COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009-001-02-01-02
Project Location: MCA Barracks - Hunters Point
Date Required see TAT notes
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Mackley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	RCRA Metals	SVOCs 8270C	VOCs (Encore) 8260B	SVOCs 8270C	RCRA metals	Additional Analyses / Remarks
1		MCA-GW032-15-1005	10-17-05	1525	W	G	X						3-DAY TAT
2		MCA-GW032-30-1005		1555									
3		MCA-GW032-45-1005		1655									STANDARD TAT
		MCA-SO018-0-2-1005		1500	SOIL	C		*	*	X	X	X	
		MCA-SO04P103-005		1200	SOIL			*	*	X	X	X	
		EB1017005		1730	W	G	X	X	X				
		TB1017005		1800	W		X						

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Jackson	HGL	10-17-05	1960				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
					STL	10/18/05	1000

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
3 DAY TAT for
3 Groundwater samples
as indicated

Date Received 10 / 18 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attached

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

November 3, 2005

Mr. Eric Evans
HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

RE: Hunter AAF
Job # 241100

Dear Mr. Evans:

The enclosed revised report is for the project and job number listed above. Both samples have been reanalyzed. If you have any questions, please contact me at 708-534-5200.

Sincerely,

Severn Trent Laboratories

Linda S. Mackley
Project Manager

pmb

Enclosures

The results presented in this report relate only to the analytical testing and conditions of sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241100

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/02/2005

Linda S Mackley
Signature

11-2-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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2417 Bond Street
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This Report Contains (28) Pages

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241100
VOA DATA: update

1. The reported samples were all re-run at the client's request as a check for Trichloroethene contamination. The re-analyses did not contain the low-level hits for Trichloroethene as was reported in the original report. The re-analysis for sample -1 was analyzed 2:52 past the method required hold-time. All other samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/Duplicates) had all five-control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume.

Gary Rynkar
GC/MS Section Manager

11/3/5
Date

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SAMPLE INFORMATION
Date: 11/02/2005

Job Number.: 241100
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241100-1	MCA-GWDUP01-1005	Water	10/18/2005	12:40	10/19/2005	09:20
241100-2	TB101805	Water	10/18/2005	18:30	10/19/2005	09:20

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LABORATORY TEST RESULTS

Job Number: 241100

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP01-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241100-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP01-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241100-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP01-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241100-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164356		11/01/05 1532	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: T8101805
Date Sampled.....: 10/18/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241100-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101805
Date Sampled.....: 10/18/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241100-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101805
Date Sampled.....: 10/18/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241100-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164154		10/28/05 1006	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241100 Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241100-1 Client ID: MCA-GWDUP01-1005 Date Recvd: 10/19/2005 Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/27/2005	0422	
5030B	5030 10 mL Purge Prep	2	164339		11/01/2005	1532	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164356	164339	11/01/2005	1532	1.00000

Lab ID: 241100-2 Client ID: TB101805 Date Recvd: 10/19/2005 Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/27/2005	0446	
5030B	5030 10 mL Purge Prep	2	164148		10/28/2005	1006	
8260B	Volatile Organics	1	164154	164148	10/28/2005	1006	1.00000

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164154
Prep Batch..: 164148

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	95	100	103	103
LCS			10/28/2005	97	100	104	103
MB			10/28/2005	99	94	104	100
241100- 2		TB101805	10/28/2005	96	93	97	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164356
Prep Batch..: 164339

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/01/2005	90	99	99	103
LCS			11/01/2005	89	96	95	104
MB			11/01/2005	92	94	101	101
241100- 1		MCA-GWDUP01-1005	11/01/2005	91	90	95	101

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J280SA	164148-018		10/28/2005	1934

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164154

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	3.191	3.267	25.000	1.000 U	13	%	24-171	*
						2	R	20	
Chloromethane	ug/L	10.009	9.834	25.000	1.000 U	40	%	31-182	
						2	R	20	
Vinyl chloride	ug/L	12.446	12.636	25.000	1.000 U	50	%	50-145	
						2	R	20	
Bromomethane	ug/L	14.882	19.088	25.000	1.000 U	60	%	31-188	
						25	R	20	*
Chloroethane	ug/L	17.797	17.794	25.000	1.000 U	71	%	58-148	
						0	R	20	
Trichlorofluoromethane	ug/L	14.275	15.301	25.000	1.000 U	57	%	54-142	
						7	R	20	
1,1-Dichloroethene	ug/L	24.169	23.422	25.000	1.000 U	97	%	51-136	
						3	R	20	
Carbon disulfide	ug/L	22.334	21.951	25.000	5.000 U	89	%	21-111	
						2	R	20	
Acetone	ug/L	26.085	45.354	25.000	5.000 U	104	%	14-177	
						54	R	20	*
Methylene chloride	ug/L	26.311	25.321	25.000	1.000 U	105	%	64-127	
						4	R	20	
trans-1,2-Dichloroethene	ug/L	25.813	25.027	25.000	1.000 U	103	%	62-138	
						3	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.291	25.562	25.000	1.000 U	105	%	55-142	
						3	R	20	
1,1-Dichloroethane	ug/L	24.624	24.469	25.000	1.000 U	98	%	70-124	
						1	R	20	
2,2-Dichloropropane	ug/L	23.998	26.212	25.000	1.000 U	96	%	68-127	
						9	R	20	
cis-1,2-Dichloroethene	ug/L	26.421	25.999	25.000	1.000 U	106	%	70-125	
						2	R	20	
2-Butanone (MEK)	ug/L	24.623	29.025	25.000	5.000 U	98	%	29-139	
						16	R	20	
Bromochloromethane	ug/L	26.732	25.293	25.000	1.000 U	107	%	57-116	
						6	R	20	
Chloroform	ug/L	25.284	25.198	25.000	1.000 U	101	%	75-122	
						0	R	20	
1,1,1-Trichloroethane	ug/L	24.036	24.911	25.000	1.000 U	96	%	70-127	
						4	R	20	
1,1-Dichloropropene	ug/L	23.297	22.955	25.000	1.000 U	93	%	70-125	
						1	R	20	
Carbon tetrachloride	ug/L	21.566	22.663	25.000	1.000 U	86	%	64-132	
						5	R	20	
Benzene	ug/L	24.067	23.888	25.000	1.000 U	96	%	75-122	
						1	R	20	
1,2-Dichloroethane	ug/L	22.041	22.782	25.000	1.000 U	88	%	67-120	
						3	R	20	
Trichloroethene	ug/L	23.768	24.192	25.000	1.000 U	95	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	23.397	23.453	25.000	1.000 U	94	%	76-116	
						0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSA	164148-018		10/28/2005	1934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.698	23.634	25.000	1.000 U	95 0	% R	68-116 20	
Bromodichloromethane	ug/L	25.999	26.279	25.000	1.000 U	104 1	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	25.356	25.929	26.000	1.000 U	98 2	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.498	23.558	25.000	5.000 U	94 0	% R	39-137 20	
Toluene	ug/L	24.924	25.080	25.000	1.000 U	100 1	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	22.706	23.789	24.000	1.000 U	95 5	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	26.298	25.874	25.000	1.000 U	105 2	% R	63-127 20	
Tetrachloroethene	ug/L	22.366	23.308	25.000	1.000 U	89 4	% R	45-150 20	
1,3-Dichloropropane	ug/L	23.683	23.663	25.000	1.000 U	95 0	% R	72-118 20	
2-Hexanone	ug/L	21.446	26.158	25.000	5.000 U	86 20	% R	36-144 20	
Dibromochloromethane	ug/L	25.108	25.551	25.000	1.000 U	100 2	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	24.708	24.559	25.000	1.000 U	99 1	% R	62-123 20	
Chlorobenzene	ug/L	23.779	23.714	25.000	1.000 U	95 0	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	25.332	25.702	25.000	1.000 U	101 1	% R	77-120 20	
Ethylbenzene	ug/L	24.952	24.540	25.000	1.000 U	100 2	% R	75-125 20	
m&p-Xylenes	ug/L	50.056	50.494	50.000	2.000 U	100 1	% R	75-123 20	
o-Xylene	ug/L	25.696	25.711	25.000	1.000 U	103 0	% R	76-121 20	
Styrene	ug/L	23.990	24.001	25.000	1.000 U	96 0	% R	77-128 20	
Bromoform	ug/L	24.946	25.575	25.000	1.000 U	100 2	% R	65-115 20	
Isopropylbenzene	ug/L	22.380	21.960	25.000	1.000 U	90 2	% R	64-119 20	
Bromobenzene	ug/L	25.354	24.918	25.000	1.000 U	101 2	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	23.405	22.906	25.000	1.000 U	94 2	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	23.589	22.992	25.000	1.000 U	94 3	% R	62-124 20	
n-Propylbenzene	ug/L	22.104	22.049	25.000	1.000 U	88 0	% R	69-132 20	
2-Chlorotoluene	ug/L	25.340	25.099	25.000	1.000 U	101 1	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	23.456	23.397	25.000	1.000 U	94 0	% R	70-132 20	
4-Chlorotoluene	ug/L	24.611	24.734	25.000	1.000 U	98 0	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J280SA	164148-018		10/28/2005	1934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	22.242	21.985	25.000	1.000 U	89	%	70-133	
						1	R	20	
1,2,4-Trimethylbenzene	ug/L	23.466	23.410	25.000	1.000 U	94	%	71-131	
						0	R	20	
sec-Butylbenzene	ug/L	21.022	20.939	25.000	1.000 U	84	%	70-134	
						0	R	20	
p-Isopropyltoluene	ug/L	21.086	21.401	25.000	1.000 U	84	%	66-130	
						1	R	20	
n-Butylbenzene	ug/L	20.853	21.612	25.000	1.000 U	83	%	64-142	
						4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	21.071	20.657	25.000	1.000 U	84	%	57-119	
						2	R	20	
1,2,3-Trichlorobenzene	ug/L	24.622	24.384	25.000	1.000 U	98	%	66-124	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100

Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSA	164148-017		10/28/2005	1029

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 164154

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	3.267		25.000	1.000 U	13	%	24-171	*
Chloromethane	ug/L	9.834		25.000	1.000 U	39	%	31-182	
Vinyl chloride	ug/L	12.636		25.000	1.000 U	51	%	50-145	
Bromomethane	ug/L	19.088		25.000	1.000 U	76	%	31-188	
Chloroethane	ug/L	17.794		25.000	1.000 U	71	%	58-148	
Trichlorofluoromethane	ug/L	15.301		25.000	1.000 U	61	%	54-142	
1,1-Dichloroethene	ug/L	23.422		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	21.951		25.000	5.000 U	88	%	21-111	
Acetone	ug/L	45.354		25.000	5.000 U	181	%	14-177	*
Methylene chloride	ug/L	25.321		25.000	1.000 U	101	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.027		25.000	1.000 U	100	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.562		25.000	1.000 U	102	%	55-142	
1,1-Dichloroethane	ug/L	24.469		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	26.212		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.999		25.000	1.000 U	104	%	70-125	
2-Butanone (MEK)	ug/L	29.025		25.000	5.000 U	116	%	29-139	
Bromochloromethane	ug/L	25.293		25.000	1.000 U	101	%	57-116	
Chloroform	ug/L	25.198		25.000	1.000 U	101	%	75-122	
1,1,1-Trichloroethane	ug/L	24.911		25.000	1.000 U	100	%	70-127	
1,1-Dichloropropene	ug/L	22.955		25.000	1.000 U	92	%	70-125	
Carbon tetrachloride	ug/L	22.663		25.000	1.000 U	91	%	64-132	
Benzene	ug/L	23.888		25.000	1.000 U	96	%	75-122	
1,2-Dichloroethane	ug/L	22.782		25.000	1.000 U	91	%	67-120	
Trichloroethene	ug/L	24.192		25.000	1.000 U	97	%	70-125	
1,2-Dichloropropane	ug/L	23.453		25.000	1.000 U	94	%	76-116	
Dibromomethane	ug/L	23.634		25.000	1.000 U	95	%	68-116	
Bromodichloromethane	ug/L	26.279		25.000	1.000 U	105	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.929		26.000	1.000 U	100	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.558		25.000	5.000 U	94	%	39-137	
Toluene	ug/L	25.080		25.000	1.000 U	100	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.789		24.000	1.000 U	99	%	68-119	
1,1,2-Trichloroethane	ug/L	25.874		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	23.308		25.000	1.000 U	93	%	45-150	
1,3-Dichloropropane	ug/L	23.663		25.000	1.000 U	95	%	72-118	
2-Hexanone	ug/L	26.158		25.000	5.000 U	105	%	36-144	
Dibromochloromethane	ug/L	25.551		25.000	1.000 U	102	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.559		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	23.714		25.000	1.000 U	95	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.702		25.000	1.000 U	103	%	77-120	
Ethylbenzene	ug/L	24.540		25.000	1.000 U	98	%	75-125	
m&p-Xylenes	ug/L	50.494		50.000	2.000 U	101	%	75-123	
o-Xylene	ug/L	25.711		25.000	1.000 U	103	%	76-121	
Styrene	ug/L	24.001		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	25.575		25.000	1.000 U	102	%	65-115	
Isopropylbenzene	ug/L	21.960		25.000	1.000 U	88	%	64-119	
Bromobenzene	ug/L	24.918		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.906		25.000	1.000 U	92	%	61-122	
1,2,3-Trichloropropane	ug/L	22.992		25.000	1.000 U	92	%	62-124	
n-Propylbenzene	ug/L	22.049		25.000	1.000 U	88	%	69-132	
2-Chlorotoluene	ug/L	25.099		25.000	1.000 U	100	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241100

QUALITY CONTROL RESULTS

Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSA	164148-017		10/28/2005	1029

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.397		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	24.734		25.000	1.000 U	99	%	70-126	
tert-Butylbenzene	ug/L	21.985		25.000	1.000 U	88	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.410		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	20.939		25.000	1.000 U	84	%	70-134	
p-Isopropyltoluene	ug/L	21.401		25.000	1.000 U	86	%	66-130	
n-Butylbenzene	ug/L	21.612		25.000	1.000 U	86	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.657		25.000	1.000 U	83	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.384		25.000	1.000 U	98	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164148-016		10/28/2005	0944

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164154

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164148-016		10/28/2005	0944

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000 U							
4-Chlorotoluene	ug/L	1.000 U							
tert-Butylbenzene	ug/L	1.000 U							
1,2,4-Trimethylbenzene	ug/L	1.000 U							
sec-Butylbenzene	ug/L	1.000 U							
p-Isopropyltoluene	ug/L	1.000 U							
n-Butylbenzene	ug/L	1.000 U							
1,2-Dibromo-3-chloropropane	ug/L	1.000 U							
1,2,3-Trichlorobenzene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164356

LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005 2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.820	15.395	25.000	1.000 U	63	%	24-171	
						3	R	20	
Chloromethane	ug/L	18.836	20.744	25.000	1.000 U	75	%	31-182	
						10	R	20	
Vinyl chloride	ug/L	21.089	21.141	25.000	1.000 U	84	%	50-145	
						0	R	20	
Bromomethane	ug/L	13.085	21.025	25.000	1.000 U	52	%	31-188	
						47	R	20	*
Chloroethane	ug/L	23.202	22.790	25.000	1.000 U	93	%	58-148	
						2	R	20	
Trichlorofluoromethane	ug/L	19.124	18.298	25.000	1.000 U	76	%	54-142	
						4	R	20	
1,1-Dichloroethene	ug/L	23.863	23.452	25.000	1.000 U	95	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	21.324	20.836	25.000	5.000 U	85	%	21-111	
						2	R	20	
Acetone	ug/L	26.581	38.289	25.000	5.000 U	106	%	14-177	
						36	R	20	*
Methylene chloride	ug/L	25.755	25.477	25.000	1.000 U	103	%	64-127	
						1	R	20	
trans-1,2-Dichloroethene	ug/L	24.260	24.287	25.000	1.000 U	97	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.538	24.343	25.000	1.000 U	98	%	55-142	
						1	R	20	
1,1-Dichloroethane	ug/L	23.429	22.829	25.000	1.000 U	94	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	23.381	24.211	25.000	1.000 U	94	%	68-127	
						3	R	20	
cis-1,2-Dichloroethene	ug/L	24.888	24.350	25.000	1.000 U	100	%	70-125	
						2	R	20	
2-Butanone (MEK)	ug/L	23.519	24.504	25.000	5.000 U	94	%	29-139	
						4	R	20	
Bromochloromethane	ug/L	24.973	24.152	25.000	1.000 U	100	%	57-116	
						3	R	20	
Chloroform	ug/L	23.820	22.925	25.000	1.000 U	95	%	75-122	
						4	R	20	
1,1,1-Trichloroethane	ug/L	23.619	23.161	25.000	1.000 U	94	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	23.017	22.472	25.000	1.000 U	92	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	22.874	22.665	25.000	1.000 U	91	%	64-132	
						1	R	20	
Benzene	ug/L	23.768	23.791	25.000	1.000 U	95	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	21.029	21.277	25.000	1.000 U	84	%	67-120	
						1	R	20	
Trichloroethene	ug/L	23.931	24.435	25.000	1.000 U	96	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	22.497	23.270	25.000	1.000 U	90	%	76-116	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	22.395	22.570	25.000	1.000 U	90	%	68-116	
						1	R	20	
Bromodichloromethane	ug/L	25.348	24.946	25.000	1.000 U	101	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	24.619	25.997	26.000	1.000 U	95	%	72-115	
						5	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.024	23.752	25.000	5.000 U	92	%	39-137	
						3	R	20	
Toluene	ug/L	25.102	25.218	25.000	1.000 U	100	%	77-120	
						0	R	20	
trans-1,3-Dichloropropene	ug/L	21.796	22.798	24.000	1.000 U	91	%	68-119	
						4	R	20	
1,1,2-Trichloroethane	ug/L	24.677	24.511	25.000	1.000 U	99	%	63-127	
						1	R	20	
Tetrachloroethene	ug/L	23.951	23.812	25.000	1.000 U	96	%	45-150	
						1	R	20	
1,3-Dichloropropane	ug/L	23.568	23.140	25.000	1.000 U	94	%	72-118	
						2	R	20	
2-Hexanone	ug/L	20.983	24.394	25.000	5.000 U	84	%	36-144	
						15	R	20	
Dibromochloromethane	ug/L	25.204	24.188	25.000	1.000 U	101	%	73-116	
						4	R	20	
1,2-Dibromoethane (EDB)	ug/L	24.189	24.463	25.000	1.000 U	97	%	62-123	
						1	R	20	
Chlorobenzene	ug/L	23.701	23.525	25.000	1.000 U	95	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.470	24.826	25.000	1.000 U	102	%	77-120	
						3	R	20	
Ethylbenzene	ug/L	24.793	24.963	25.000	1.000 U	99	%	75-125	
						1	R	20	
m&p-Xylenes	ug/L	50.161	49.509	50.000	2.000 U	100	%	75-123	
						1	R	20	
o-Xylene	ug/L	25.870	25.036	25.000	1.000 U	103	%	76-121	
						3	R	20	
Styrene	ug/L	23.811	23.264	25.000	1.000 U	95	%	77-128	
						2	R	20	
Bromoform	ug/L	24.681	24.522	25.000	1.000 U	99	%	65-115	
						1	R	20	
Isopropylbenzene	ug/L	23.408	23.113	25.000	1.000 U	94	%	64-119	
						1	R	20	
Bromobenzene	ug/L	25.768	25.756	25.000	1.000 U	103	%	76-118	
						0	R	20	
1,1,2,2-Tetrachloroethane	ug/L	23.354	23.972	25.000	1.000 U	93	%	61-122	
						3	R	20	
1,2,3-Trichloropropane	ug/L	23.290	24.144	25.000	1.000 U	93	%	62-124	
						4	R	20	
n-Propylbenzene	ug/L	23.164	22.603	25.000	1.000 U	93	%	69-132	
						2	R	20	
2-Chlorotoluene	ug/L	25.607	25.591	25.000	1.000 U	102	%	70-127	
						0	R	20	
1,3,5-Trimethylbenzene	ug/L	24.819	24.236	25.000	1.000 U	99	%	70-132	
						2	R	20	
4-Chlorotoluene	ug/L	24.890	24.630	25.000	1.000 U	100	%	70-126	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.947	22.678	25.000	1.000	U	96 5	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	25.724	23.990	25.000	1.000	U	103 7	% R	71-131 20	
sec-Butylbenzene	ug/L	22.927	21.720	25.000	1.000	U	92 5	% R	70-134 20	
p-Isopropyltoluene	ug/L	22.405	21.964	25.000	1.000	U	90 2	% R	66-130 20	
n-Butylbenzene	ug/L	22.470	22.392	25.000	1.000	U	90 0	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	21.777	19.846	25.000	1.000	U	87 9	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	24.537	25.632	25.000	1.000	U	98 4	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K01DSA	164339-019		11/01/2005	1013

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164356

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.395		25.000	1.000 U	62	%	24-171	
Chloromethane	ug/L	20.744		25.000	1.000 U	83	%	31-182	
Vinyl chloride	ug/L	21.141		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	21.025		25.000	1.000 U	84	%	31-188	
Chloroethane	ug/L	22.790		25.000	1.000 U	91	%	58-148	
Trichlorofluoromethane	ug/L	18.298		25.000	1.000 U	73	%	54-142	
1,1-Dichloroethene	ug/L	23.452		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	20.836		25.000	5.000 U	83	%	21-111	
Acetone	ug/L	38.289		25.000	5.000 U	153	%	14-177	
Methylene chloride	ug/L	25.477		25.000	1.000 U	102	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.287		25.000	1.000 U	97	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.343		25.000	1.000 U	97	%	55-142	
1,1-Dichloroethane	ug/L	22.829		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	24.211		25.000	1.000 U	97	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.350		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	24.504		25.000	5.000 U	98	%	29-139	
Bromochloromethane	ug/L	24.152		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	22.925		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.161		25.000	1.000 U	93	%	70-127	
1,1-Dichloropropene	ug/L	22.472		25.000	1.000 U	90	%	70-125	
Carbon tetrachloride	ug/L	22.665		25.000	1.000 U	91	%	64-132	
Benzene	ug/L	23.791		25.000	1.000 U	95	%	75-122	
1,2-Dichloroethane	ug/L	21.277		25.000	1.000 U	85	%	67-120	
Trichloroethene	ug/L	24.435		25.000	1.000 U	98	%	70-125	
1,2-Dichloropropane	ug/L	23.270		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	22.570		25.000	1.000 U	90	%	68-116	
Bromodichloromethane	ug/L	24.946		25.000	1.000 U	100	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.997		26.000	1.000 U	100	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.752		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	25.218		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.798		24.000	1.000 U	95	%	68-119	
1,1,2-Trichloroethane	ug/L	24.511		25.000	1.000 U	98	%	63-127	
Tetrachloroethene	ug/L	23.812		25.000	1.000 U	95	%	45-150	
1,3-Dichloropropane	ug/L	23.140		25.000	1.000 U	93	%	72-118	
2-Hexanone	ug/L	24.394		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	24.188		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.463		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	23.525		25.000	1.000 U	94	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.826		25.000	1.000 U	99	%	77-120	
Ethylbenzene	ug/L	24.963		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	49.509		50.000	2.000 U	99	%	75-123	
o-Xylene	ug/L	25.036		25.000	1.000 U	100	%	76-121	
Styrene	ug/L	23.264		25.000	1.000 U	93	%	77-128	
Bromoform	ug/L	24.522		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	23.113		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	25.756		25.000	1.000 U	103	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	23.972		25.000	1.000 U	96	%	61-122	
1,2,3-Trichloropropane	ug/L	24.144		25.000	1.000 U	97	%	62-124	
n-Propylbenzene	ug/L	22.603		25.000	1.000 U	90	%	69-132	
2-Chlorotoluene	ug/L	25.591		25.000	1.000 U	102	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K01DSA	164339-019		11/01/2005	1013

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.236		25.000	1.000 U	97	%	70-132	
4-Chlorotoluene	ug/L	24.630		25.000	1.000 U	99	%	70-126	
tert-Butylbenzene	ug/L	22.678		25.000	1.000 U	91	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.990		25.000	1.000 U	96	%	71-131	
sec-Butylbenzene	ug/L	21.720		25.000	1.000 U	87	%	70-134	
p-Isopropyltoluene	ug/L	21.964		25.000	1.000 U	88	%	66-130	
n-Butylbenzene	ug/L	22.392		25.000	1.000 U	90	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.846		25.000	1.000 U	79	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.632		25.000	1.000 U	103	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164339-018		11/01/2005	0950

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164356

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U						
Chloromethane	ug/L	1.000	U						
Vinyl chloride	ug/L	1.000	U						
Bromomethane	ug/L	1.000	U						
Chloroethane	ug/L	1.000	U						
Trichlorofluoromethane	ug/L	1.000	U						
1,1-Dichloroethene	ug/L	1.000	U						
Carbon disulfide	ug/L	5.000	U						
Acetone	ug/L	5.000	U						
Methylene chloride	ug/L	1.000	U						
trans-1,2-Dichloroethene	ug/L	1.000	U						
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U						
1,1-Dichloroethane	ug/L	1.000	U						
2,2-Dichloropropane	ug/L	1.000	U						
cis-1,2-Dichloroethene	ug/L	1.000	U						
2-Butanone (MEK)	ug/L	5.000	U						
Bromochloromethane	ug/L	1.000	U						
Chloroform	ug/L	1.000	U						
1,1,1-Trichloroethane	ug/L	1.000	U						
1,1-Dichloropropene	ug/L	1.000	U						
Carbon tetrachloride	ug/L	1.000	U						
Benzene	ug/L	1.000	U						
1,2-Dichloroethane	ug/L	1.000	U						
Trichloroethene	ug/L	1.000	U						
1,2-Dichloropropane	ug/L	1.000	U						
Dibromomethane	ug/L	1.000	U						
Bromodichloromethane	ug/L	1.000	U						
cis-1,3-Dichloropropene	ug/L	1.000	U						
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U						
Toluene	ug/L	1.000	U						
trans-1,3-Dichloropropene	ug/L	1.000	U						
1,1,2-Trichloroethane	ug/L	1.000	U						
Tetrachloroethene	ug/L	1.000	U						
1,3-Dichloropropane	ug/L	1.000	U						
2-Hexanone	ug/L	5.000	U						
Dibromochloromethane	ug/L	1.000	U						
1,2-Dibromoethane (EDB)	ug/L	1.000	U						
Chlorobenzene	ug/L	1.000	U						
1,1,1,2-Tetrachloroethane	ug/L	1.000	U						
Ethylbenzene	ug/L	1.000	U						
m&p-Xylenes	ug/L	2.000	U						
o-Xylene	ug/L	1.000	U						
Styrene	ug/L	1.000	U						
Bromoform	ug/L	1.000	U						
Isopropylbenzene	ug/L	1.000	U						
Bromobenzene	ug/L	1.000	U						
1,1,2,2-Tetrachloroethane	ug/L	1.000	U						
1,2,3-Trichloropropane	ug/L	1.000	U						
n-Propylbenzene	ug/L	1.000	U						
2-Chlorotoluene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164339-018		11/01/2005	0950

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HLL
Address: DUPLICATE TO SHEARING OR 313 USINGER ROAD GALESBURG
Phone: 518.877.12390
Fax: 515.877.0414
E-Mail: EEVANS@HLL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 241100

Package Sealed	Samples Sealed
Yes No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 2.8

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: OMA009-001-02-01-02
Project Location: MIA BARRACKS - HUNTER
Lab PM: LINDA MACKLEY
Date Required STD TATs
Hard Copy: ___/___/___
Fax: ___/___/___

Relng #
# of Cont.
Volume
Preserv

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Additional Analyses / Remarks
		MCA-GW003-15-1005	10.18.05	1080	W	G	3 DAY TAT
		MCA-GW003-30-1005		0835			
		MCA-GW004-16-1005		1130			
		MCA-GW004-30-1005		1150			
		MCA-GW004-42-1005		1420			
		MCA-GW005-8-1005		1435			
		MCA-GW005-30-1005		1504			
1		MCA-GWDUP101-1005		1240			MCA-GWDUP101-1005 (STD TAT)
		MCA-GW031-15-1005		1717			3 DAY TAT
2		TB101805		1830			NORMAL TAT (STD TAT)
		MCA-GW031-32-1005	↓	1755	↓	↓	3 DAY TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HLL	10-18-05	1900		SR	10/19/05	0920
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
3 DAY TAT FOR PRIMARY GW SAMPLES.
NORMAL TAT FOR SOIL AND GW QC SAMPLES

Date Received 10 / 19 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
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University Park, IL 60466

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241097

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/24/2005

Linda S Mackley
Signature

10-24-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (48) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241097
VOA DATA:

1. All samples were analyzed within hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample 1. The MS and MSD samples had all control spike recoveries within the QAPP specified QC limits.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. All samples had all internal standard areas and retention times within SOP acceptance limits as compared to the corresponding calibration verification standard.

7. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

8. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

9. The water sample was analyzed using a 10-mL purge volume.

John Nagel
GC/MS Dept.

10-24-05
Date

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SAMPLE INFORMATION
Date: 10/24/2005

Job Number.: 241097
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-01-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241097-1	MCA-GW003-15-1005	Water	10/18/2005	08:00	10/19/2005	09:20
241097-2	MCA-GW003-30-1005	Water	10/18/2005	08:35	10/19/2005	09:20
241097-3	MCA-GW004-16-1005	Water	10/18/2005	11:30	10/19/2005	09:20
241097-4	MCA-GW004-30-1005	Water	10/18/2005	11:50	10/19/2005	09:20
241097-5	MCA-GW004-42-1005	Water	10/18/2005	12:20	10/19/2005	09:20
241097-6	MCA-GW005-8-1005	Water	10/18/2005	14:35	10/19/2005	09:20
241097-7	MCA-GW005-30-1005	Water	10/18/2005	15:00	10/19/2005	09:20
241097-8	MCA-GW031-15-1005	Water	10/18/2005	17:17	10/19/2005	09:20
241097-9	MCA-GW031-30-1005	Water	10/18/2005	17:55	10/19/2005	09:20

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LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW003-15-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 241097-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097 Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW003-15-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 241097-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097 Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW003-15-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 241097-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0145	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097 Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW003-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 08:35
Sample Matrix.....: Water

Laboratory Sample ID: 241097-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097 Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW003-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 08:35
Sample Matrix.....: Water

Laboratory Sample ID: 241097-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW003-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 08:35
Sample Matrix.....: Water

Laboratory Sample ID: 241097-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0253	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-16-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 11:30
Sample Matrix.....: Water

Laboratory Sample ID: 241097-3
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-16-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 11:30
Sample Matrix.....: Water

Laboratory Sample ID: 241097-3
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-16-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 11:30
Sample Matrix.....: Water

Laboratory Sample ID: 241097-3
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0315	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241097

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 241097-4
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn

* In Description = Dry Wgt.

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Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 241097-4
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn

* In Description = Dry Wgt.

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Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 241097-4
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0338	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-42-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 241097-5
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-42-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 241097-5
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW004-42-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 241097-5
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0401	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW005-8-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241097-6
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Carbon disulfide	4.6	J		0.15	5.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Acetone	7.1			1.4	5.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn

* In Description = Dry Wgt.

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Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW005-8-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241097-6
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn

* In Description = Dry Wgt.

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Job Number: 241097

LABORATORY TEST RESULTS

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW005-8-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241097-6
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0424	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW005-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241097-7
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Acetone	6.0			1.4	5.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn

* In Description = Dry Wgt.

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Job Number: 241097

LABORATORY TEST RESULTS

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW005-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241097-7
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW005-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241097-7
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0447	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-15-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 17:17
Sample Matrix.....: Water

Laboratory Sample ID: 241097-8
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	cis-1,2-Dichloroethene	0.88	J		0.20	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Trichloroethene	6.8			0.13	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-15-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 17:17
Sample Matrix.....: Water

Laboratory Sample ID: 241097-8
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-15-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 17:17
Sample Matrix.....: Water

Laboratory Sample ID: 241097-8
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0509	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 17:55
Sample Matrix.....: Water

Laboratory Sample ID: 241097-9
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Acetone	13			1.4	5.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	cis-1,2-Dichloroethene	1.2			0.20	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Trichloroethene	3.0			0.13	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241097

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 17:55
Sample Matrix.....: Water

Laboratory Sample ID: 241097-9
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,3-Dichlorobenzene	1.0	U		0.21	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn

* In Description = Dry Wgt.

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Job Number: 241097

LABORATORY TEST RESULTS

Date:10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-30-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 17:55
Sample Matrix.....: Water

Laboratory Sample ID: 241097-9
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,4-Dichlorobenzene	1.0	U		0.25	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2-Dichlorobenzene	1.0	U		0.29	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2,4-Trichlorobenzene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Hexachlorobutadiene	1.0	U		0.36	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	Naphthalene	1.0	U		0.37	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163513		10/23/05 0532	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241097 — Date: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-01-01-02 — ATTN: Eric Evans

Lab ID: 241097-1 — Client ID: MCA-GW003-15-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0145	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	163513	163482	10/23/2005 0145	1.00000

Lab ID: 241097-2 — Client ID: MCA-GW003-30-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0253	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0253	1.00000

Lab ID: 241097-3 — Client ID: MCA-GW004-16-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0315	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0315	1.00000

Lab ID: 241097-4 — Client ID: MCA-GW004-30-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0338	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0338	1.00000

Lab ID: 241097-5 — Client ID: MCA-GW004-42-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0401	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0401	1.00000

Lab ID: 241097-6 — Client ID: MCA-GW005-8-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0424	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0424	1.00000

Lab ID: 241097-7 — Client ID: MCA-GW005-30-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0447	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0447	1.00000

Lab ID: 241097-8 — Client ID: MCA-GW031-15-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0509	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0509	1.00000

Lab ID: 241097-9 — Client ID: MCA-GW031-30-1005

Date Recvd: 10/19/2005 — Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163482		10/23/2005 0532	
8260B	Volatile Organics	1	163513	163482	10/23/2005 0532	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241097 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 163513

Prep Batch..: 163482

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/23/2005	113	101	114	102
LCS			10/22/2005	97	100	99	98
MB			10/22/2005	104	91	101	98
241097- 1		MCA-GW003-15-1005	10/23/2005	112	91	102	99
241097- 1	MS	MCA-GW003-15-1005	10/23/2005	112	102	108	100
241097- 1	MSD	MCA-GW003-15-1005	10/23/2005	107	101	107	99
241097- 2		MCA-GW003-30-1005	10/23/2005	107	93	103	96
241097- 3		MCA-GW004-16-1005	10/23/2005	111	93	106	98
241097- 4		MCA-GW004-30-1005	10/23/2005	109	94	102	96
241097- 5		MCA-GW004-42-1005	10/23/2005	110	93	104	98
241097- 6		MCA-GW005-8-1005	10/23/2005	112	92	104	98
241097- 7		MCA-GW005-30-1005	10/23/2005	113	91	104	98
241097- 8		MCA-GW031-15-1005	10/23/2005	112	92	107	97
241097- 9		MCA-GW031-30-1005	10/23/2005	113	93	104	98

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241097

Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J220SA	163482-020		10/23/2005	0555

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163513

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	9.741	18.838	25.000	1.000 U	39	%	24-171	
						64	R	20	*
Chloromethane	ug/L	18.612	16.726	25.000	1.000 U	74	%	31-182	
						11	R	20	
Vinyl chloride	ug/L	20.472	22.005	25.000	1.000 U	82	%	50-145	
						7	R	20	
Bromomethane	ug/L	15.038	16.428	25.000	1.000 U	60	%	31-188	
						9	R	20	
Chloroethane	ug/L	24.620	23.772	25.000	1.000 U	98	%	58-148	
						4	R	20	
Trichlorofluoromethane	ug/L	19.404	25.076	25.000	1.000 U	78	%	54-142	
						26	R	20	*
1,1-Dichloroethene	ug/L	20.073	21.763	25.000	1.000 U	80	%	51-136	
						8	R	20	
Carbon disulfide	ug/L	18.755	19.713	25.000	5.000 U	75	%	21-111	
						5	R	20	
Acetone	ug/L	27.012	26.245	25.000	5.000 U	108	%	14-177	
						3	R	20	
Methylene chloride	ug/L	24.157	21.596	25.000	1.000 U	97	%	64-127	
						11	R	20	
trans-1,2-Dichloroethene	ug/L	23.041	22.482	25.000	1.000 U	92	%	62-138	
						2	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.668	23.192	25.000	1.000 U	103	%	55-142	
						10	R	20	
1,1-Dichloroethane	ug/L	24.045	22.143	25.000	1.000 U	96	%	70-124	
						8	R	20	
2,2-Dichloropropane	ug/L	23.157	22.984	25.000	1.000 U	93	%	68-127	
						1	R	20	
cis-1,2-Dichloroethene	ug/L	24.213	22.967	25.000	1.000 U	97	%	70-125	
						5	R	20	
2-Butanone (MEK)	ug/L	23.676	21.238	25.000	5.000 U	95	%	29-139	
						11	R	20	
Bromochloromethane	ug/L	24.901	22.715	25.000	1.000 U	100	%	57-116	
						9	R	20	
Chloroform	ug/L	26.180	23.013	25.000	1.000 U	105	%	75-122	
						13	R	20	
1,1,1-Trichloroethane	ug/L	25.547	24.517	25.000	1.000 U	102	%	70-127	
						4	R	20	
1,1-Dichloropropene	ug/L	21.625	22.404	25.000	1.000 U	87	%	70-125	
						4	R	20	
Carbon tetrachloride	ug/L	22.274	24.408	25.000	1.000 U	89	%	64-132	
						9	R	20	
Benzene	ug/L	21.382	21.651	25.000	1.000 U	86	%	75-122	
						1	R	20	
1,2-Dichloroethane	ug/L	24.094	21.919	25.000	1.000 U	96	%	67-120	
						9	R	20	
Trichloroethene	ug/L	21.083	22.107	25.000	1.000 U	84	%	70-125	
						5	R	20	
1,2-Dichloropropane	ug/L	21.286	21.067	25.000	1.000 U	85	%	76-116	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097

Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J22DSA	163482-020		10/23/2005	0555

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.018	21.394	25.000	1.000	U	92	%	68-116	
							7	R	20	
Bromodichloromethane	ug/L	26.530	24.252	25.000	1.000	U	106	%	75-125	
							9	R	20	
cis-1,3-Dichloropropene	ug/L	21.895	21.715	26.000	1.000	U	84	%	72-115	
							1	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.316	21.484	25.000	5.000	U	89	%	39-137	
							4	R	20	
Toluene	ug/L	22.446	22.613	25.000	1.000	U	90	%	77-120	
							1	R	20	
trans-1,3-Dichloropropene	ug/L	21.062	19.907	24.000	1.000	U	88	%	68-119	
							6	R	20	
1,1,2-Trichloroethane	ug/L	24.875	22.510	25.000	1.000	U	100	%	63-127	
							10	R	20	
Tetrachloroethene	ug/L	19.840	22.478	25.000	1.000	U	79	%	45-150	
							12	R	20	
1,3-Dichloropropane	ug/L	21.587	22.048	25.000	1.000	U	86	%	72-118	
							2	R	20	
2-Hexanone	ug/L	20.180	21.299	25.000	5.000	U	81	%	36-144	
							5	R	20	
Dibromochloromethane	ug/L	23.809	23.538	25.000	1.000	U	95	%	73-116	
							1	R	20	
1,2-Dibromoethane (EDB)	ug/L	22.533	21.579	25.000	1.000	U	90	%	62-123	
							4	R	20	
Chlorobenzene	ug/L	21.603	21.732	25.000	1.000	U	86	%	76-116	
							1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	24.408	24.026	25.000	1.000	U	98	%	77-120	
							2	R	20	
Ethylbenzene	ug/L	21.738	22.783	25.000	1.000	U	87	%	75-125	
							5	R	20	
m&p-Xylenes	ug/L	46.540	47.414	50.000	2.000	U	93	%	75-123	
							2	R	20	
o-Xylene	ug/L	23.930	23.521	25.000	1.000	U	96	%	76-121	
							2	R	20	
Styrene	ug/L	21.354	21.589	25.000	1.000	U	85	%	77-128	
							1	R	20	
Bromoform	ug/L	22.867	22.204	25.000	1.000	U	91	%	65-115	
							3	R	20	
Isopropylbenzene	ug/L	19.200	21.240	25.000	1.000	U	77	%	64-119	
							10	R	20	
Bromobenzene	ug/L	21.737	22.917	25.000	1.000	U	87	%	76-118	
							5	R	20	
1,1,2,2-Tetrachloroethane	ug/L	20.459	20.897	25.000	1.000	U	82	%	61-122	
							2	R	20	
1,2,3-Trichloropropane	ug/L	20.408	21.948	25.000	1.000	U	82	%	62-124	
							7	R	20	
n-Propylbenzene	ug/L	19.725	21.561	25.000	1.000	U	79	%	69-132	
							9	R	20	
2-Chlorotoluene	ug/L	22.774	23.563	25.000	1.000	U	91	%	70-127	
							3	R	20	
1,3,5-Trimethylbenzene	ug/L	21.138	21.792	25.000	1.000	U	85	%	70-132	
							3	R	20	
4-Chlorotoluene	ug/L	22.346	23.267	25.000	1.000	U	89	%	70-126	
							4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097

Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J22DSA	163482-020		10/23/2005	0555

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	19.880	21.624	25.000	1.000	U	80	%	70-133	
							8	R	20	
1,2,4-Trimethylbenzene	ug/L	21.191	21.754	25.000	1.000	U	85	%	71-131	
							3	R	20	
sec-Butylbenzene	ug/L	19.029	21.384	25.000	1.000	U	76	%	70-134	
							12	R	20	
1,3-Dichlorobenzene	ug/L	21.005	21.574	25.000	1.000	U	84	%	71-120	
							3	R	20	
p-Isopropyltoluene	ug/L	19.028	20.451	25.000	1.000	U	76	%	66-130	
							7	R	20	
1,4-Dichlorobenzene	ug/L	20.430	21.033	25.000	1.000	U	82	%	70-118	
							3	R	20	
n-Butylbenzene	ug/L	18.402	20.354	25.000	1.000	U	74	%	64-142	
							10	R	20	
1,2-Dichlorobenzene	ug/L	21.521	22.063	25.000	1.000	U	86	%	72-118	
							2	R	20	
1,2-Dibromo-3-chloropropane	ug/L	20.994	21.584	25.000	1.000	U	84	%	57-119	
							3	R	20	
1,2,4-Trichlorobenzene	ug/L	20.621	20.402	25.000	1.000	U	82	%	60-132	
							1	R	20	
Hexachlorobutadiene	ug/L	20.002	22.051	25.000	1.000	U	80	%	63-145	
							10	R	20	
Naphthalene	ug/L	19.044	19.033	25.000	1.000	U	76	%	57-128	
							0	R	20	
1,2,3-Trichlorobenzene	ug/L	20.961	20.579	25.000	1.000	U	84	%	66-124	
							2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097

Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J22DSA	163482-019		10/22/2005	2158

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163513

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.838		25.000	1.000 U	75	%	24-171	
Chloromethane	ug/L	16.726		25.000	1.000 U	67	%	31-182	
Vinyl chloride	ug/L	22.005		25.000	1.000 U	88	%	50-145	
Bromomethane	ug/L	16.428		25.000	1.000 U	66	%	31-188	
Chloroethane	ug/L	23.772		25.000	1.000 U	95	%	58-148	
Trichlorofluoromethane	ug/L	25.076		25.000	1.000 U	100	%	54-142	
1,1-Dichloroethene	ug/L	21.763		25.000	1.000 U	87	%	51-136	
Carbon disulfide	ug/L	19.713		25.000	5.000 U	79	%	21-111	
Acetone	ug/L	26.245		25.000	5.000 U	105	%	14-177	
Methylene chloride	ug/L	21.596		25.000	1.000 U	86	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.482		25.000	1.000 U	90	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	23.192		25.000	1.000 U	93	%	55-142	
1,1-Dichloroethane	ug/L	22.143		25.000	1.000 U	89	%	70-124	
2,2-Dichloropropane	ug/L	22.984		25.000	1.000 U	92	%	68-127	
cis-1,2-Dichloroethene	ug/L	22.967		25.000	1.000 U	92	%	70-125	
2-Butanone (MEK)	ug/L	21.238		25.000	5.000 U	85	%	29-139	
Bromochloromethane	ug/L	22.715		25.000	1.000 U	91	%	57-116	
Chloroform	ug/L	23.013		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	24.517		25.000	1.000 U	98	%	70-127	
1,1-Dichloropropene	ug/L	22.404		25.000	1.000 U	90	%	70-125	
Carbon tetrachloride	ug/L	24.408		25.000	1.000 U	98	%	64-132	
Benzene	ug/L	21.651		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	21.919		25.000	1.000 U	88	%	67-120	
Trichloroethene	ug/L	22.107		25.000	1.000 U	88	%	70-125	
1,2-Dichloropropane	ug/L	21.067		25.000	1.000 U	84	%	76-116	
Dibromomethane	ug/L	21.394		25.000	1.000 U	86	%	68-116	
Bromodichloromethane	ug/L	24.252		25.000	1.000 U	97	%	75-125	
cis-1,3-Dichloropropene	ug/L	21.715		26.000	1.000 U	84	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.484		25.000	5.000 U	86	%	39-137	
Toluene	ug/L	22.613		25.000	1.000 U	90	%	77-120	
trans-1,3-Dichloropropene	ug/L	19.907		24.000	1.000 U	83	%	68-119	
1,1,2-Trichloroethane	ug/L	22.510		25.000	1.000 U	90	%	63-127	
Tetrachloroethene	ug/L	22.478		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	22.048		25.000	1.000 U	88	%	72-118	
2-Hexanone	ug/L	21.299		25.000	5.000 U	85	%	36-144	
Dibromochloromethane	ug/L	23.538		25.000	1.000 U	94	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	21.579		25.000	1.000 U	86	%	62-123	
Chlorobenzene	ug/L	21.732		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.026		25.000	1.000 U	96	%	77-120	
Ethylbenzene	ug/L	22.783		25.000	1.000 U	91	%	75-125	
m&p-Xylenes	ug/L	47.414		50.000	2.000 U	95	%	75-123	
o-Xylene	ug/L	23.521		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	21.589		25.000	1.000 U	86	%	77-128	
Bromoform	ug/L	22.204		25.000	1.000 U	89	%	65-115	
Isopropylbenzene	ug/L	21.240		25.000	1.000 U	85	%	64-119	
Bromobenzene	ug/L	22.917		25.000	1.000 U	92	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.897		25.000	1.000 U	84	%	61-122	
1,2,3-Trichloropropane	ug/L	21.948		25.000	1.000 U	88	%	62-124	
n-Propylbenzene	ug/L	21.561		25.000	1.000 U	86	%	69-132	
2-Chlorotoluene	ug/L	23.563		25.000	1.000 U	94	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241097 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J22DSA	163482-019		10/22/2005	2158

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.792		25.000	1.000 U	87	%	70-132	
4-Chlorotoluene	ug/L	23.267		25.000	1.000 U	93	%	70-126	
tert-Butylbenzene	ug/L	21.624		25.000	1.000 U	86	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.754		25.000	1.000 U	87	%	71-131	
sec-Butylbenzene	ug/L	21.384		25.000	1.000 U	86	%	70-134	
1,3-Dichlorobenzene	ug/L	21.574		25.000	1.000 U	86	%	71-120	
p-Isopropyltoluene	ug/L	20.451		25.000	1.000 U	82	%	66-130	
1,4-Dichlorobenzene	ug/L	21.033		25.000	1.000 U	84	%	70-118	
n-Butylbenzene	ug/L	20.354		25.000	1.000 U	81	%	64-142	
1,2-Dichlorobenzene	ug/L	22.063		25.000	1.000 U	88	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	21.584		25.000	1.000 U	86	%	57-119	
1,2,4-Trichlorobenzene	ug/L	20.402		25.000	1.000 U	82	%	60-132	
Hexachlorobutadiene	ug/L	22.051		25.000	1.000 U	88	%	63-145	
Naphthalene	ug/L	19.033		25.000	1.000 U	76	%	57-128	
1,2,3-Trichlorobenzene	ug/L	20.579		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097

Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163482-018		10/22/2005	2135

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163513

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241097 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163482-018		10/22/2005	2135

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097 — Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-01-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J220SA	241097-1		10/23/2005	0207

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163513

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	13.412		25.000	1.000 U	54	%	24-171	
Chloromethane	ug/L	16.983		25.000	1.000 U	68	%	31-182	
Vinyl chloride	ug/L	20.766		25.000	1.000 U	83	%	50-145	
Bromomethane	ug/L	20.023		25.000	1.000 U	80	%	31-188	
Chloroethane	ug/L	23.573		25.000	1.000 U	94	%	58-148	
Trichlorofluoromethane	ug/L	22.608		25.000	1.000 U	90	%	54-142	
1,1-Dichloroethene	ug/L	21.032		25.000	1.000 U	84	%	51-136	
Carbon disulfide	ug/L	20.008		25.000	5.000 U	80	%	21-111	
Acetone	ug/L	26.060		25.000	5.000 U	104	%	14-177	
Methylene chloride	ug/L	23.270		25.000	1.000 U	93	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.934		25.000	1.000 U	92	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.365		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	24.264		25.000	1.000 U	97	%	70-124	
2,2-Dichloropropane	ug/L	22.934		25.000	1.000 U	92	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.838		25.000	1.000 U	95	%	70-125	
2-Butanone (MEK)	ug/L	23.242		25.000	5.000 U	93	%	29-139	
Bromochloromethane	ug/L	25.570		25.000	1.000 U	102	%	57-116	
Chloroform	ug/L	25.574		25.000	1.000 U	102	%	75-122	
1,1,1-Trichloroethane	ug/L	25.777		25.000	1.000 U	103	%	70-127	
1,1-Dichloropropene	ug/L	22.501		25.000	1.000 U	90	%	70-125	
Carbon tetrachloride	ug/L	24.584		25.000	1.000 U	98	%	64-132	
Benzene	ug/L	22.165		25.000	1.000 U	89	%	75-122	
1,2-Dichloroethane	ug/L	24.981		25.000	1.000 U	100	%	67-120	
Trichloroethene	ug/L	22.702		25.000	1.000 U	91	%	70-125	
1,2-Dichloropropane	ug/L	22.362		25.000	1.000 U	89	%	76-116	
Dibromomethane	ug/L	23.578		25.000	1.000 U	94	%	68-116	
Bromodichloromethane	ug/L	27.101		25.000	1.000 U	108	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.909		26.000	1.000 U	88	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.955		25.000	5.000 U	92	%	39-137	
Toluene	ug/L	23.564		25.000	1.000 U	94	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.310		24.000	1.000 U	93	%	68-119	
1,1,2-Trichloroethane	ug/L	25.475		25.000	1.000 U	102	%	63-127	
Tetrachloroethene	ug/L	21.647		25.000	1.000 U	87	%	45-150	
1,3-Dichloropropane	ug/L	23.279		25.000	1.000 U	93	%	72-118	
2-Hexanone	ug/L	20.687		25.000	5.000 U	83	%	36-144	
Dibromochloromethane	ug/L	25.921		25.000	1.000 U	104	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	23.959		25.000	1.000 U	96	%	62-123	
Chlorobenzene	ug/L	22.120		25.000	1.000 U	88	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.437		25.000	1.000 U	102	%	77-120	
Ethylbenzene	ug/L	22.993		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	48.219		50.000	2.000 U	96	%	75-123	
o-Xylene	ug/L	24.262		25.000	1.000 U	97	%	76-121	
Styrene	ug/L	22.220		25.000	1.000 U	89	%	77-128	
Bromoform	ug/L	25.001		25.000	1.000 U	100	%	65-115	
Isopropylbenzene	ug/L	20.288		25.000	1.000 U	81	%	64-119	
Bromobenzene	ug/L	22.854		25.000	1.000 U	91	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.058		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	22.566		25.000	1.000 U	90	%	62-124	
n-Propylbenzene	ug/L	21.009		25.000	1.000 U	84	%	69-132	
2-Chlorotoluene	ug/L	23.268		25.000	1.000 U	93	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J22DSA	241097-1		10/23/2005	0207

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	22.009		25.000	1.000 U	88	%	70-132	
4-Chlorotoluene	ug/L	23.222		25.000	1.000 U	93	%	70-126	
tert-Butylbenzene	ug/L	20.991		25.000	1.000 U	84	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.971		25.000	1.000 U	88	%	71-131	
sec-Butylbenzene	ug/L	20.814		25.000	1.000 U	83	%	70-134	
1,3-Dichlorobenzene	ug/L	22.112		25.000	1.000 U	88	%	71-120	
p-Isopropyltoluene	ug/L	20.706		25.000	1.000 U	83	%	66-130	
1,4-Dichlorobenzene	ug/L	21.163		25.000	1.000 U	85	%	70-118	
n-Butylbenzene	ug/L	20.734		25.000	1.000 U	83	%	64-142	
1,2-Dichlorobenzene	ug/L	22.651		25.000	1.000 U	91	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	20.787		25.000	1.000 U	83	%	57-119	
1,2,4-Trichlorobenzene	ug/L	21.281		25.000	1.000 U	85	%	60-132	
Hexachlorobutadiene	ug/L	22.781		25.000	1.000 U	91	%	63-145	
Naphthalene	ug/L	19.565		25.000	1.000 U	78	%	57-128	
1,2,3-Trichlorobenzene	ug/L	21.736		25.000	1.000 U	87	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241097 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05JZZDSA	241097-1		10/23/2005	0230

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163513

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.954	13.412	25.000	1.000 U	52	%	24-171	
						4	R	20	
Chloromethane	ug/L	16.709	16.983	25.000	1.000 U	67	%	31-182	
						1	R	20	
Vinyl chloride	ug/L	20.484	20.766	25.000	1.000 U	82	%	50-145	
						1	R	20	
Bromomethane	ug/L	19.877	20.023	25.000	1.000 U	80	%	31-188	
						0	R	20	
Chloroethane	ug/L	23.592	23.573	25.000	1.000 U	94	%	58-148	
						0	R	20	
Trichlorofluoromethane	ug/L	22.402	22.608	25.000	1.000 U	90	%	54-142	
						0	R	20	
1,1-Dichloroethene	ug/L	20.819	21.032	25.000	1.000 U	83	%	51-136	
						1	R	20	
Carbon disulfide	ug/L	19.719	20.008	25.000	5.000 U	79	%	21-111	
						1	R	20	
Acetone	ug/L	27.068	26.060	25.000	5.000 U	108	%	14-177	
						4	R	20	
Methylene chloride	ug/L	23.475	23.270	25.000	1.000 U	94	%	64-127	
						1	R	20	
trans-1,2-Dichloroethene	ug/L	23.069	22.934	25.000	1.000 U	92	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.076	25.365	25.000	1.000 U	100	%	55-142	
						1	R	20	
1,1-Dichloroethane	ug/L	23.360	24.264	25.000	1.000 U	93	%	70-124	
						4	R	20	
2,2-Dichloropropane	ug/L	22.414	22.934	25.000	1.000 U	90	%	68-127	
						2	R	20	
cis-1,2-Dichloroethene	ug/L	23.379	23.838	25.000	1.000 U	94	%	70-125	
						1	R	20	
2-Butanone (MEK)	ug/L	22.445	23.242	25.000	5.000 U	90	%	29-139	
						3	R	20	
Bromochloromethane	ug/L	25.271	25.570	25.000	1.000 U	101	%	57-116	
						1	R	20	
Chloroform	ug/L	25.006	25.574	25.000	1.000 U	100	%	75-122	
						2	R	20	
1,1,1-Trichloroethane	ug/L	25.204	25.777	25.000	1.000 U	101	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	21.915	22.501	25.000	1.000 U	88	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	24.331	24.584	25.000	1.000 U	97	%	64-132	
						1	R	20	
Benzene	ug/L	22.249	22.165	25.000	1.000 U	89	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	23.893	24.981	25.000	1.000 U	96	%	67-120	
						4	R	20	
Trichloroethene	ug/L	22.670	22.702	25.000	1.000 U	91	%	70-125	
						0	R	20	
1,2-Dichloropropane	ug/L	22.073	22.362	25.000	1.000 U	88	%	76-116	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097 — Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-01-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05JZ2DSA	241097-1		10/23/2005	0230

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.189	23.578	25.000	1.000 U	93	%	68-116	
						1	R	20	
Bromodichloromethane	ug/L	26.548	27.101	25.000	1.000 U	106	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	22.885	22.909	26.000	1.000 U	88	%	72-115	
						0	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.794	22.955	25.000	5.000 U	91	%	39-137	
						1	R	20	
Toluene	ug/L	23.527	23.564	25.000	1.000 U	94	%	77-120	
						0	R	20	
trans-1,3-Dichloropropene	ug/L	21.901	22.310	24.000	1.000 U	91	%	68-119	
						2	R	20	
1,1,2-Trichloroethane	ug/L	24.463	25.475	25.000	1.000 U	98	%	63-127	
						4	R	20	
Tetrachloroethene	ug/L	22.487	21.647	25.000	1.000 U	90	%	45-150	
						3	R	20	
1,3-Dichloropropane	ug/L	22.803	23.279	25.000	1.000 U	91	%	72-118	
						2	R	20	
2-Hexanone	ug/L	21.876	20.687	25.000	5.000 U	88	%	36-144	
						6	R	20	
Dibromochloromethane	ug/L	25.524	25.921	25.000	1.000 U	102	%	73-116	
						2	R	20	
1,2-Dibromoethane (EDB)	ug/L	23.999	23.959	25.000	1.000 U	96	%	62-123	
						0	R	20	
Chlorobenzene	ug/L	22.241	22.120	25.000	1.000 U	89	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.504	25.437	25.000	1.000 U	102	%	77-120	
						0	R	20	
Ethylbenzene	ug/L	22.949	22.993	25.000	1.000 U	92	%	75-125	
						0	R	20	
m&p-Xylenes	ug/L	48.616	48.219	50.000	2.000 U	97	%	75-123	
						1	R	20	
o-Xylene	ug/L	24.477	24.262	25.000	1.000 U	98	%	76-121	
						1	R	20	
Styrene	ug/L	22.368	22.220	25.000	1.000 U	89	%	77-128	
						0	R	20	
Bromoform	ug/L	25.264	25.001	25.000	1.000 U	101	%	65-115	
						1	R	20	
Isopropylbenzene	ug/L	20.716	20.288	25.000	1.000 U	83	%	64-119	
						2	R	20	
Bromobenzene	ug/L	22.796	22.854	25.000	1.000 U	91	%	76-118	
						0	R	20	
1,1,2,2-Tetrachloroethane	ug/L	21.789	22.058	25.000	1.000 U	87	%	61-122	
						1	R	20	
1,2,3-Trichloropropane	ug/L	21.764	22.566	25.000	1.000 U	87	%	62-124	
						3	R	20	
n-Propylbenzene	ug/L	21.151	21.009	25.000	1.000 U	85	%	69-132	
						1	R	20	
2-Chlorotoluene	ug/L	23.528	23.268	25.000	1.000 U	94	%	70-127	
						1	R	20	
1,3,5-Trimethylbenzene	ug/L	22.045	22.009	25.000	1.000 U	88	%	70-132	
						0	R	20	
4-Chlorotoluene	ug/L	23.521	23.222	25.000	1.000 U	94	%	70-126	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241097 Report Date.: 10/24/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-01-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J22DSA	241097-1		10/23/2005	0230

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.311	20.991	25.000	1.000 U	85	%	70-133	
						1	R	20	
1,2,4-Trimethylbenzene	ug/L	22.246	21.971	25.000	1.000 U	89	%	71-131	
						1	R	20	
sec-Butylbenzene	ug/L	20.859	20.814	25.000	1.000 U	83	%	70-134	
						0	R	20	
1,3-Dichlorobenzene	ug/L	22.044	22.112	25.000	1.000 U	88	%	71-120	
						0	R	20	
p-Isopropyltoluene	ug/L	20.398	20.706	25.000	1.000 U	82	%	66-130	
						1	R	20	
1,4-Dichlorobenzene	ug/L	21.215	21.163	25.000	1.000 U	85	%	70-118	
						0	R	20	
n-Butylbenzene	ug/L	20.644	20.734	25.000	1.000 U	83	%	64-142	
						0	R	20	
1,2-Dichlorobenzene	ug/L	21.953	22.651	25.000	1.000 U	88	%	72-118	
						3	R	20	
1,2-Dibromo-3-chloropropane	ug/L	20.750	20.787	25.000	1.000 U	83	%	57-119	
						0	R	20	
1,2,4-Trichlorobenzene	ug/L	21.535	21.281	25.000	1.000 U	86	%	60-132	
						1	R	20	
Hexachlorobutadiene	ug/L	22.209	22.781	25.000	1.000 U	89	%	63-145	
						2	R	20	
Naphthalene	ug/L	19.412	19.565	25.000	1.000 U	78	%	57-128	
						0	R	20	
1,2,3-Trichlorobenzene	ug/L	21.297	21.736	25.000	1.000 U	85	%	66-124	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE DR
313 USHERS ROAD, BALLSTON LK.
Phone: 518 877 0390
Fax: 518 877 0414
E-Mail: EEVANS @ HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 241097

Package Sealed: (Yes) No	Samples Sealed: Yes (No)
Received on Ice: (Yes) No	Samples Intact: (Yes) No
Temperature °C of Cooler: 2.8	
Within Hold Time: (Yes) No	Preserv. Indicated: (Yes) No NA
pH Check OK: Yes No (NA)	Res Cl_2 Check OK: Yes No (NA)
Sample Labels and COC Agree: (Yes) No	COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: OMA009-001-0201-02
Project Location: MCA BARRACKS - HUNTER
Date Required: SEE TATs
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: LINDA MACKLEY

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	Additional Analyses / Remarks
1		MCA-GW003-15-1005	10.18.05	0800	W	G					3 DAY TAT
2		MCA-GW003-30-1005		0835							
3		MCA-GW004-16-1005		1130							
4		MCA-GW004-30-1005		1150							
5		MCA-GW004-42-1005		1220							
6		MCA-GW005-8-1005		1435							
7		MCA-GW005-30-1005		1500							
		MCA-GWDUP01-1005		1240							MCA-GWDUP01-1005 (STD TAT)
8		MCA-GW031-15-1005		1717							3 DAY TAT
		TB10/805		1830							NORMAL TAT (STD TAT)
9		MCA-GW031-30-1005		1755							3 DAY TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-18-05	1900		SK	10/19/05	0920

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
3 DAY TAT FOR PRIMARY GW SAMPLES.
NORMAL TAT FOR SOIL AND GW QC SAMPLES

Date Received 10 / 19 / 05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241149

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/25/2005

Linda S Mackley
Signature

10-25-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (31) Pages

SEVERN TRENT STL

STL Chicago
2417 Bond Street
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Tel: 708 534 5200 Fax: 708 534 5211
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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241149
VOA DATA:

1. All samples were analyzed within hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. All samples had all internal standard areas and retention times within SOP acceptance limits as compared to the corresponding calibration verification standard.

7. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

8. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

9. The water sample was analyzed using a 10-mL purge volume.

John Nagel
GC/MS Dept.

10-25-05
Date

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SAMPLE INFORMATION
Date: 10/25/2005

Job Number.: 241149
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241149-1	MCA-GW006-15-1005	Water	10/19/2005	08:35	10/20/2005	09:30
241149-2	MCA-GW006-30-1005	Water	10/19/2005	09:00	10/20/2005	09:30
241149-3	MCA-GW006-45-1005	Water	10/19/2005	09:35	10/20/2005	09:30
241149-4	MCA-GW007-15-1005	Water	10/19/2005	10:35	10/20/2005	09:30
241149-5	MCA-GW031-45-1005	Water	10/19/2005	07:55	10/20/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241149

Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 08:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	cis-1,2-Dichloroethene	1.6			0.20	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Trichloroethene	6.1			0.13	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 08:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 08:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163588		10/24/05 1739	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241149

Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241149-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	cis-1,2-Dichloroethene	23			0.20	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Trichloroethene	8.4			0.13	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241149-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Ethylbenzene	1.2			0.21	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149 Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241149-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163588		10/24/05 1803	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241149 Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW006-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163588		10/24/05 1827	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241149-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163588		10/24/05 1851	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149 Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241149-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149 Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241149-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241149

Date:10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW031-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241149-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163588		10/24/05 1916	jdn

* In Description = Dry Wgt.

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L A B O R A T O R Y C H R O N I C L E

Job Number: 241149 Date: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241149-1 Client ID: MCA-GW006-15-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163581		10/24/2005	1739	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163588	163581	10/24/2005	1739	1.00000

Lab ID: 241149-2 Client ID: MCA-GW006-30-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163581		10/24/2005	1803	
8260B	Volatile Organics	1	163588	163581	10/24/2005	1803	1.00000

Lab ID: 241149-3 Client ID: MCA-GW006-45-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163581		10/24/2005	1827	
8260B	Volatile Organics	1	163588	163581	10/24/2005	1827	1.00000

Lab ID: 241149-4 Client ID: MCA-GW007-15-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163581		10/24/2005	1851	
8260B	Volatile Organics	1	163588	163581	10/24/2005	1851	1.00000

Lab ID: 241149-5 Client ID: MCA-GW031-45-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163581		10/24/2005	1916	
8260B	Volatile Organics	1	163588	163581	10/24/2005	1916	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241149 Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163588
Prep Batch..: 163581

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/25/2005	95	95	113	99
LCS			10/24/2005	93	98	103	98
MB			10/24/2005	96	95	99	96
241149- 1		MCA-GW006-15-1005	10/24/2005	90	94	104	97
241149- 2		MCA-GW006-30-1005	10/24/2005	94	95	102	97
241149- 3		MCA-GW006-45-1005	10/24/2005	96	95	101	96
241149- 4		MCA-GW007-15-1005	10/24/2005	99	96	101	96
241149- 5		MCA-GW031-45-1005	10/24/2005	97	95	103	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241149 — Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J240SA	163581-027		10/25/2005	0253

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163588

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.879	14.277	25.000	1.000	U	60 4	% R	24-171 20	
Chloromethane	ug/L	22.692	20.732	25.000	1.000	U	91 9	% R	31-182 20	
Vinyl chloride	ug/L	24.973	23.584	25.000	1.000	U	100 6	% R	50-145 20	
Bromomethane	ug/L	26.746	27.135	25.000	1.000	U	107 1	% R	31-188 20	
Chloroethane	ug/L	31.588	29.330	25.000	1.000	U	126 7	% R	58-148 20	
Trichlorofluoromethane	ug/L	25.315	24.363	25.000	1.000	U	101 4	% R	54-142 20	
1,1-Dichloroethene	ug/L	27.360	28.235	25.000	1.000	U	109 3	% R	51-136 20	
Carbon disulfide	ug/L	23.983	23.620	25.000	5.000	U	96 2	% R	21-111 20	
Acetone	ug/L	32.947	27.186	25.000	5.000	U	132 19	% R	14-177 20	
Methylene chloride	ug/L	28.458	27.526	25.000	1.000	U	114 3	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	29.640	29.692	25.000	1.000	U	119 0	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	32.603	27.876	25.000	1.000	U	130 16	% R	55-142 20	
1,1-Dichloroethane	ug/L	28.417	27.547	25.000	1.000	U	114 3	% R	70-124 20	
2,2-Dichloropropane	ug/L	25.798	27.324	25.000	1.000	U	103 6	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	29.346	29.672	25.000	1.000	U	117 1	% R	70-125 20	
2-Butanone (MEK)	ug/L	23.510	25.195	25.000	5.000	U	94 7	% R	29-139 20	
Bromochloromethane	ug/L	29.217	24.984	25.000	1.000	U	117 16	% R	57-116 20	*
Chloroform	ug/L	29.588	29.768	25.000	1.000	U	118 1	% R	75-122 20	
1,1,1-Trichloroethane	ug/L	28.033	28.244	25.000	1.000	U	112 1	% R	70-127 20	
1,1-Dichloropropene	ug/L	26.656	27.196	25.000	1.000	U	107 2	% R	70-125 20	
Carbon tetrachloride	ug/L	25.559	27.024	25.000	1.000	U	102 6	% R	64-132 20	
Benzene	ug/L	25.898	27.561	25.000	1.000	U	104 6	% R	75-122 20	
1,2-Dichloroethane	ug/L	23.999	25.886	25.000	1.000	U	96 8	% R	67-120 20	
Trichloroethene	ug/L	25.445	27.365	25.000	1.000	U	102 7	% R	70-125 20	
1,2-Dichloropropane	ug/L	25.616	27.300	25.000	1.000	U	102 6	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241149 — Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163581-027		10/25/2005	0253

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	18.123	20.759	25.000	1.000 U	72	%	68-116	
						14	R	20	
Bromodichloromethane	ug/L	27.182	28.983	25.000	1.000 U	109	%	75-125	
						6	R	20	
cis-1,3-Dichloropropene	ug/L	24.783	27.828	26.000	1.000 U	95	%	72-115	
						12	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	24.099	27.621	25.000	5.000 U	96	%	39-137	
						14	R	20	
Toluene	ug/L	26.005	27.639	25.000	1.000 U	104	%	77-120	
						6	R	20	
trans-1,3-Dichloropropene	ug/L	20.962	24.009	24.000	1.000 U	87	%	68-119	
						14	R	20	
1,1,2-Trichloroethane	ug/L	27.794	28.321	25.000	1.000 U	111	%	63-127	
						2	R	20	
Tetrachloroethene	ug/L	24.916	26.844	25.000	1.000 U	100	%	45-150	
						7	R	20	
1,3-Dichloropropane	ug/L	25.260	27.516	25.000	1.000 U	101	%	72-118	
						9	R	20	
2-Hexanone	ug/L	24.693	28.859	25.000	5.000 U	99	%	36-144	
						16	R	20	
Dibromochloromethane	ug/L	26.109	27.744	25.000	1.000 U	104	%	73-116	
						6	R	20	
1,2-Dibromoethane (EDB)	ug/L	24.329	26.833	25.000	1.000 U	97	%	62-123	
						10	R	20	
Chlorobenzene	ug/L	24.735	26.622	25.000	1.000 U	99	%	76-116	
						7	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.633	27.457	25.000	1.000 U	103	%	77-120	
						7	R	20	
Ethylbenzene	ug/L	26.510	28.593	25.000	1.000 U	106	%	75-125	
						8	R	20	
m&p-Xylenes	ug/L	50.594	54.889	50.000	2.000 U	101	%	75-123	
						8	R	20	
o-Xylene	ug/L	25.697	28.072	25.000	1.000 U	103	%	76-121	
						9	R	20	
Styrene	ug/L	26.594	28.946	25.000	1.000 U	106	%	77-128	
						8	R	20	
Bromoform	ug/L	24.681	26.883	25.000	1.000 U	99	%	65-115	
						9	R	20	
Isopropylbenzene	ug/L	24.436	25.712	25.000	1.000 U	98	%	64-119	
						5	R	20	
Bromobenzene	ug/L	26.482	28.107	25.000	1.000 U	106	%	76-118	
						6	R	20	
1,1,2,2-Tetrachloroethane	ug/L	26.654	27.356	25.000	1.000 U	107	%	61-122	
						3	R	20	
1,2,3-Trichloropropane	ug/L	25.304	27.323	25.000	1.000 U	101	%	62-124	
						8	R	20	
n-Propylbenzene	ug/L	27.242	28.740	25.000	1.000 U	109	%	69-132	
						5	R	20	
2-Chlorotoluene	ug/L	26.404	27.098	25.000	1.000 U	106	%	70-127	
						3	R	20	
1,3,5-Trimethylbenzene	ug/L	27.542	28.944	25.000	1.000 U	110	%	70-132	
						5	R	20	
4-Chlorotoluene	ug/L	26.404	27.098	25.000	1.000 U	106	%	70-126	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241149 Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163581-027		10/25/2005	0253

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	27.243	28.517	25.000	1.000 U	109	%	70-133	
						5	R	20	
1,2,4-Trimethylbenzene	ug/L	27.383	28.718	25.000	1.000 U	110	%	71-131	
						5	R	20	
sec-Butylbenzene	ug/L	27.231	28.331	25.000	1.000 U	109	%	70-134	
						4	R	20	
1,3-Dichlorobenzene	ug/L	25.070	27.021	25.000	1.000 U	100	%	71-120	
						7	R	20	
p-Isopropyltoluene	ug/L	25.284	26.404	25.000	1.000 U	101	%	66-130	
						4	R	20	
1,4-Dichlorobenzene	ug/L	24.722	26.136	25.000	1.000 U	99	%	70-118	
						6	R	20	
n-Butylbenzene	ug/L	27.012	29.341	25.000	1.000 U	108	%	64-142	
						8	R	20	
1,2-Dichlorobenzene	ug/L	25.694	26.862	25.000	1.000 U	103	%	72-118	
						4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	23.872	27.231	25.000	1.000 U	95	%	57-119	
						13	R	20	
1,2,4-Trichlorobenzene	ug/L	25.592	28.647	25.000	1.000 U	102	%	60-132	
						11	R	20	
Hexachlorobutadiene	ug/L	26.563	29.372	25.000	1.000 U	106	%	63-145	
						10	R	20	
Naphthalene	ug/L	26.121	28.878	25.000	1.000 U	104	%	57-128	
						10	R	20	
1,2,3-Trichlorobenzene	ug/L	26.177	28.107	25.000	1.000 U	105	%	66-124	
						7	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241149 — Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J240SA	163581-026		10/24/2005	1651

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163588

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.277		25.000	1.000 U	57	%	24-171	
Chloromethane	ug/L	20.732		25.000	1.000 U	83	%	31-182	
Vinyl chloride	ug/L	23.584		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	27.135		25.000	1.000 U	109	%	31-188	
Chloroethane	ug/L	29.330		25.000	1.000 U	117	%	58-148	
Trichlorofluoromethane	ug/L	24.363		25.000	1.000 U	97	%	54-142	
1,1-Dichloroethene	ug/L	28.235		25.000	1.000 U	113	%	51-136	
Carbon disulfide	ug/L	23.620		25.000	5.000 U	94	%	21-111	
Acetone	ug/L	27.186		25.000	5.000 U	109	%	14-177	
Methylene chloride	ug/L	27.526		25.000	1.000 U	110	%	64-127	
trans-1,2-Dichloroethene	ug/L	29.692		25.000	1.000 U	119	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.876		25.000	1.000 U	112	%	55-142	
1,1-Dichloroethane	ug/L	27.547		25.000	1.000 U	110	%	70-124	
2,2-Dichloropropane	ug/L	27.324		25.000	1.000 U	109	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.672		25.000	1.000 U	119	%	70-125	
2-Butanone (MEK)	ug/L	25.195		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	24.984		25.000	1.000 U	100	%	57-116	
Chloroform	ug/L	29.768		25.000	1.000 U	119	%	75-122	
1,1,1-Trichloroethane	ug/L	28.244		25.000	1.000 U	113	%	70-127	
1,1-Dichloropropene	ug/L	27.196		25.000	1.000 U	109	%	70-125	
Carbon tetrachloride	ug/L	27.024		25.000	1.000 U	108	%	64-132	
Benzene	ug/L	27.561		25.000	1.000 U	110	%	75-122	
1,2-Dichloroethane	ug/L	25.886		25.000	1.000 U	104	%	67-120	
Trichloroethene	ug/L	27.365		25.000	1.000 U	109	%	70-125	
1,2-Dichloropropane	ug/L	27.300		25.000	1.000 U	109	%	76-116	
Dibromomethane	ug/L	20.759		25.000	1.000 U	83	%	68-116	
Bromodichloromethane	ug/L	28.983		25.000	1.000 U	116	%	75-125	
cis-1,3-Dichloropropene	ug/L	27.828		26.000	1.000 U	107	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	27.621		25.000	5.000 U	110	%	39-137	
Toluene	ug/L	27.639		25.000	1.000 U	111	%	77-120	
trans-1,3-Dichloropropene	ug/L	24.009		24.000	1.000 U	100	%	68-119	
1,1,2-Trichloroethane	ug/L	28.321		25.000	1.000 U	113	%	63-127	
Tetrachloroethene	ug/L	26.844		25.000	1.000 U	107	%	45-150	
1,3-Dichloropropane	ug/L	27.516		25.000	1.000 U	110	%	72-118	
2-Hexanone	ug/L	28.859		25.000	5.000 U	115	%	36-144	
Dibromochloromethane	ug/L	27.744		25.000	1.000 U	111	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	26.833		25.000	1.000 U	107	%	62-123	
Chlorobenzene	ug/L	26.622		25.000	1.000 U	106	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.457		25.000	1.000 U	110	%	77-120	
Ethylbenzene	ug/L	28.593		25.000	1.000 U	114	%	75-125	
m&p-Xylenes	ug/L	54.889		50.000	2.000 U	110	%	75-123	
o-Xylene	ug/L	28.072		25.000	1.000 U	112	%	76-121	
Styrene	ug/L	28.946		25.000	1.000 U	116	%	77-128	
Bromoform	ug/L	26.883		25.000	1.000 U	108	%	65-115	
Isopropylbenzene	ug/L	25.712		25.000	1.000 U	103	%	64-119	
Bromobenzene	ug/L	28.107		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.356		25.000	1.000 U	109	%	61-122	
1,2,3-Trichloropropane	ug/L	27.323		25.000	1.000 U	109	%	62-124	
n-Propylbenzene	ug/L	28.740		25.000	1.000 U	115	%	69-132	
2-Chlorotoluene	ug/L	27.098		25.000	1.000 U	108	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241149

Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J24DSA	163581-026		10/24/2005	1651

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	28.944		25.000	1.000 U	116	%	70-132	
4-Chlorotoluene	ug/L	27.098		25.000	1.000 U	108	%	70-126	
tert-Butylbenzene	ug/L	28.517		25.000	1.000 U	114	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.718		25.000	1.000 U	115	%	71-131	
sec-Butylbenzene	ug/L	28.331		25.000	1.000 U	113	%	70-134	
1,3-Dichlorobenzene	ug/L	27.021		25.000	1.000 U	108	%	71-120	
p-Isopropyltoluene	ug/L	26.404		25.000	1.000 U	106	%	66-130	
1,4-Dichlorobenzene	ug/L	26.136		25.000	1.000 U	105	%	70-118	
n-Butylbenzene	ug/L	29.341		25.000	1.000 U	117	%	64-142	
1,2-Dichlorobenzene	ug/L	26.862		25.000	1.000 U	107	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	27.231		25.000	1.000 U	109	%	57-119	
1,2,4-Trichlorobenzene	ug/L	28.647		25.000	1.000 U	115	%	60-132	
Hexachlorobutadiene	ug/L	29.372		25.000	1.000 U	117	%	63-145	
Naphthalene	ug/L	28.878		25.000	1.000 U	116	%	57-128	
1,2,3-Trichlorobenzene	ug/L	28.107		25.000	1.000 U	112	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241149 Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163581-025		10/24/2005	1627

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163588

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241149 Report Date.: 10/25/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163581-025		10/24/2005	1627

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
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Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWOOD EXECUTIVE PARK
313 USHER'S RD
BARRINGTON LAKE, NY 12019
Phone: 518-877-0340
Fax: 518-877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 241149

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 23

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: OMA009-001
Project Location: MCA BARRACKS - HUNTER AAF
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: LINDA MARKLEY

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes* No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	RCRA Metals	VOCs 8260B	8270B PAHs Metals	Additional Analyses / Remarks
1		MCA-GW006-15-1005	10.17.05	0835	W	G		3	40ml	HCl	X				3 DAY TAT
2		MCA-GW006-30-1005		0900				1	40ml	HCl					
3		MCA-GW006-45-1005		0935				3	500ml	H2SO4					
4		MCA-GW007-15-1005		1035											
		MCA-GW007-30-1005		1100											STD TAT
		MCA-GW007-39-1005		1205											STD TAT
5		MCA-GW031-45-1005		~~0935~~ 0925											TIME: 0755 [3DAY TAT]
		MCA-GW069-15-1005		1345											STD TAT
		MCA-GW069-30-1005		1430											
		MCA-GWDUP02-1005		1003	↓	↓		↓	↓	↓	↓				
		MCA-S0003-6-7-1005		1025	S	C					X	X	X		
		MCA-S0005-6-7-1005 ✓		1335	S	↓						↓	↓		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-17-05	1745		STL	10/20/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 20 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241100

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/27/2005

Linda S Mackley
Signature

10-27-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (19) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241100
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume.

John Nagel
GC/MS Dept.

10/7/05
Date

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S A M P L E I N F O R M A T I O N
Date: 10/27/2005

Job Number.: 241100
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241100-1	MCA-GWDUP01-1005	Water	10/18/2005	12:40	10/19/2005	09:20
241100-2	TB101805	Water	10/18/2005	18:30	10/19/2005	09:20

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LABORATORY TEST RESULTS

Job Number: 241100 Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP01-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241100-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics										
	Dichlorodifluoromethane	1.0	U	0.12	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Chloromethane	1.0	U	0.20	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Vinyl chloride	1.0	U	0.16	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Bromomethane	1.0	U	0.59	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Chloroethane	1.0	U	0.32	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Trichlorofluoromethane	1.0	U	0.14	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1-Dichloroethene	1.0	U	0.25	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Carbon disulfide	5.0	U	0.15	5.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Acetone	5.0	U	1.4	5.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Methylene chloride	1.0	U	0.24	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	trans-1,2-Dichloroethene	1.0	U	0.29	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	0.21	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1-Dichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	2,2-Dichloropropane	1.0	U	0.17	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	cis-1,2-Dichloroethene	1.0	U	0.20	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	2-Butanone (MEK)	5.0	U	1.0	5.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Bromochloromethane	1.0	U	0.27	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Chloroform	1.0	U	0.14	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1,1-Trichloroethane	1.0	U	0.17	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1-Dichloropropene	1.0	U	0.38	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Carbon tetrachloride	1.0	U	0.34	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Benzene	1.0	U	0.23	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,2-Dichloroethane	1.0	U	0.25	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Trichloroethene	0.94	J	0.13	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,2-Dichloropropane	1.0	U	0.19	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Dibromomethane	1.0	U	0.21	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Bromodichloromethane	1.0	U	0.22	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	cis-1,3-Dichloropropene	1.0	U	0.15	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP01-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241100-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP01-1005
Date Sampled.....: 10/18/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241100-1
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/27/05 0422	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101805
Date Sampled.....: 10/18/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241100-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Trichloroethene	1.7			0.13	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,2-Dichloropropane	1.0	U		0.39	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101805
Date Sampled.....: 10/18/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241100-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U	0.92	5.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Toluene	1.0	U	0.18	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	trans-1,3-Dichloropropene	1.0	U	0.16	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1,2-Trichloroethane	1.0	U	0.24	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Tetrachloroethene	1.0	U	0.18	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,3-Dichloropropane	1.0	U	0.22	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	2-Hexanone	5.0	U	0.99	5.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Dibromochloromethane	1.0	U	0.22	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,2-Dibromoethane (EDB)	1.0	U	0.33	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Chlorobenzene	1.0	U	0.15	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1,1,2-Tetrachloroethane	1.0	U	0.33	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Ethylbenzene	1.0	U	0.21	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	m&p-Xylenes	2.0	U	0.36	2.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	o-Xylene	1.0	U	0.19	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Styrene	1.0	U	0.18	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Bromoform	1.0	U	0.32	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Isopropylbenzene	1.0	U	0.20	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	Bromobenzene	1.0	U	0.22	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	0.34	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,2,3-Trichloropropane	1.0	U	0.35	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	n-Propylbenzene	1.0	U	0.16	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	2-Chlorotoluene	1.0	U	0.16	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,3,5-Trimethylbenzene	1.0	U	0.18	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	4-Chlorotoluene	1.0	U	0.18	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	tert-Butylbenzene	1.0	U	0.16	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,2,4-Trimethylbenzene	1.0	U	0.26	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	sec-Butylbenzene	1.0	U	0.19	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	p-Isopropyltoluene	1.0	U	0.29	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	n-Butylbenzene	1.0	U	0.35	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241100 Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101805
Date Sampled.....: 10/18/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241100-2
Date Received.....: 10/19/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	0.41	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn
	1,2,3-Trichlorobenzene	1.0	U	0.43	1.0	1.00000	ug/L	163848		10/27/05 0446	jdn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 241100

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241100-1 Client ID: MCA-GWDUP01-1005 Date Recvd: 10/19/2005 Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/27/2005	0422	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163848	163841	10/27/2005	0422	1.00000

Lab ID: 241100-2 Client ID: TB101805 Date Recvd: 10/19/2005 Sample Date: 10/18/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/27/2005	0446	
8260B	Volatile Organics	1	163848	163841	10/27/2005	0446	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241100 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163841
Method Code...: 8260B Batch(s).....: 163848

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/26/2005	90	96	110	97
MB			10/26/2005	95	93	100	94
241100- 1		MCA-GWDUP01-1005	10/27/2005	98	89	108	97
241100- 2		TB101805	10/27/2005	100	89	107	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241100 — Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J26DSA	163841-024		10/26/2005	2043

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163848

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.829		25.000	1.000 U	51	%	24-171	
Chloromethane	ug/L	22.767		25.000	1.000 U	91	%	31-182	
Vinyl chloride	ug/L	25.359		25.000	1.000 U	101	%	50-145	
Bromomethane	ug/L	32.552		25.000	1.000 U	130	%	31-188	
Chloroethane	ug/L	31.965		25.000	1.000 U	128	%	58-148	
Trichlorofluoromethane	ug/L	29.977		25.000	1.000 U	120	%	54-142	
1,1-Dichloroethene	ug/L	28.071		25.000	1.000 U	112	%	51-136	
Carbon disulfide	ug/L	23.021		25.000	5.000 U	92	%	21-111	
Acetone	ug/L	31.349		25.000	5.000 U	125	%	14-177	
Methylene chloride	ug/L	26.803		25.000	1.000 U	107	%	64-127	
trans-1,2-Dichloroethene	ug/L	31.456		25.000	1.000 U	126	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.866		25.000	1.000 U	119	%	55-142	
1,1-Dichloroethane	ug/L	28.435		25.000	1.000 U	114	%	70-124	
2,2-Dichloropropane	ug/L	28.687		25.000	1.000 U	115	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.387		25.000	1.000 U	118	%	70-125	
2-Butanone (MEK)	ug/L	23.644		25.000	5.000 U	95	%	29-139	
Bromochloromethane	ug/L	28.776		25.000	1.000 U	115	%	57-116	
Chloroform	ug/L	30.380		25.000	1.000 U	122	%	75-122	
1,1,1-Trichloroethane	ug/L	30.357		25.000	1.000 U	121	%	70-127	
1,1-Dichloropropene	ug/L	28.758		25.000	1.000 U	115	%	70-125	
Carbon tetrachloride	ug/L	27.598		25.000	1.000 U	110	%	64-132	
Benzene	ug/L	26.848		25.000	1.000 U	107	%	75-122	
1,2-Dichloroethane	ug/L	24.451		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	26.766		25.000	1.000 U	107	%	70-125	
1,2-Dichloropropane	ug/L	26.092		25.000	1.000 U	104	%	76-116	
Dibromomethane	ug/L	20.240		25.000	1.000 U	81	%	68-116	
Bromodichloromethane	ug/L	27.695		25.000	1.000 U	111	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.922		26.000	1.000 U	96	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.837		25.000	5.000 U	91	%	39-137	
Toluene	ug/L	26.673		25.000	1.000 U	107	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.184		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.351		25.000	1.000 U	109	%	63-127	
Tetrachloroethene	ug/L	26.969		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.661		25.000	1.000 U	103	%	72-118	
2-Hexanone	ug/L	23.727		25.000	5.000 U	95	%	36-144	
Dibromochloromethane	ug/L	26.219		25.000	1.000 U	105	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.221		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	25.852		25.000	1.000 U	103	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.926		25.000	1.000 U	104	%	77-120	
Ethylbenzene	ug/L	28.359		25.000	1.000 U	113	%	75-125	
m&p-Xylenes	ug/L	55.276		50.000	2.000 U	111	%	75-123	
o-Xylene	ug/L	27.269		25.000	1.000 U	109	%	76-121	
Styrene	ug/L	28.166		25.000	1.000 U	113	%	77-128	
Bromoform	ug/L	23.775		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	25.956		25.000	1.000 U	104	%	64-119	
Bromobenzene	ug/L	26.990		25.000	1.000 U	108	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	25.558		25.000	1.000 U	102	%	61-122	
1,2,3-Trichloropropane	ug/L	24.655		25.000	1.000 U	99	%	62-124	
n-Propylbenzene	ug/L	29.521		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.007		25.000	1.000 U	112	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VD5J26DSA	163841-024		10/26/2005	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.606		25.000	1.000 U	118	%	70-132	
4-Chlorotoluene	ug/L	28.007		25.000	1.000 U	112	%	70-126	
tert-Butylbenzene	ug/L	29.222		25.000	1.000 U	117	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.911		25.000	1.000 U	116	%	71-131	
sec-Butylbenzene	ug/L	29.028		25.000	1.000 U	116	%	70-134	
p-Isopropyltoluene	ug/L	27.211		25.000	1.000 U	109	%	66-130	
n-Butylbenzene	ug/L	29.524		25.000	1.000 U	118	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	25.336		25.000	1.000 U	101	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.536		25.000	1.000 U	102	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100 — Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163841-023		10/26/2005	2018

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163848

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241100

Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163841-023		10/26/2005	2018

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U						
4-Chlorotoluene	ug/L	1.000	U						
tert-Butylbenzene	ug/L	1.000	U						
1,2,4-Trimethylbenzene	ug/L	1.000	U						
sec-Butylbenzene	ug/L	1.000	U						
p-Isopropyltoluene	ug/L	1.000	U						
n-Butylbenzene	ug/L	1.000	U						
1,2-Dibromo-3-chloropropane	ug/L	1.000	U						
1,2,4-Trichlorobenzene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
f	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

"	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
7	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
"	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
FLC	Method Extracted LCS
FLD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: SUE EVANS
Company: HLL
Address: NORTHWAY 10 EXECUTIVE DR
313 USINESS ROAD, BOLINGBROOK
Phone: 815.577.0390
Fax: 815.877.0411
E-Mail: EEVANS@HLL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA0009-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 241100

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 2.8

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: LW PLUME DELINEATION
Project Number: OMA0009-001-0204-02
Project Location: MOA FIREBREAKS-HUNTER
Lab PM: LINDA MACKLEY
Date Required SEE MTS
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	Additional Analyses / Remarks
		MOA-GW003-15-1005	10.18.05	0800	W	G					3 DAY TAT
		MOA-GW003-30-1005		0835							
		MOA-GW004-16-1005		1130							
		MOA-GW004-30-1005		1150							
		MOA-GW004-42-1005		1220							
		MCA-GW005-8-1005		1435							
		MCA-GW005-30-1005		1500							
1		MCA-GW006-1005		1210							MCA-GW006/031-1005 (STD TAT)
		MCA-GW031-15-1005		1717							3 DAY TAT
2		TB101805		1830							NORMAL TAT (STD TAT)
		MCA-GW031-30-1005	↓	1755	↓	↓					3 DAY TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HLL	10-18-05	1900		SRL	10/19/05	0920
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
3 DAY TAT FOR PRIMARY GW SAMPLES.
NORMAL TAT FOR SOIL AND GW QC SAMPLES

Date Received 10 / 19 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241151

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/31/2005

Linda S Mackley
Signature

10-31-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (85) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241151
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS 163893 had one spike recovery, Chloroform (122%), outside the QAPP specified QC limit. The LCS 164055 had one spike recovery, Acetone (185%), outside the QAPP specified QC limit. The LCS/LCD (Laboratory Control Samples/Laboratory Control Duplicate) had all other control spike recoveries within the QC limits. LCD 163893 had 7 RPD values and LCD 164055 had 5 RPD values outside QAPP specified limits

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. LCD 164055 had one surrogate recovery outside the QAPP specified QC limits. The other samples had all surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil samples were prepared using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. An initial dilution for sample matrix was required on sample 3. Secondary dilutions for target compounds were required on samples 3, 4 and 5. Results were adjusted for the dilutions performed. The soil samples were analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

JoAnn Petruszak-Kmetty
GC/MS Dept.

10-31-05
Date

Severn Trent Services - Chicago
GC/MS BNA Case Narrative

HydroGeoLogic, Inc./OMA009-001/Hunter AAF
JOB Number: 241151
BNA DATA:

1. All extractions and analyses were performed within recommended hold-times.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Sample) and MS/MSD (Matrix Spike/Matrix Spike Duplicate) had all control spike recoveries within the QC limits and one control RPD value above the QC limit.

4. All samples had all surrogate recoveries within the in-house QC limits.

5. All samples had all internal standard areas and retention times within the SOP acceptance limits.

6. All samples were analyzed following USEPA SW846 8270C protocol. Sample 12 required a 2x initial dilution.

Gary Rynkar
GC/MS Section Manager

10/3/15
Date

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SAMPLE INFORMATION
Date: 10/31/2005

Job Number.: 241151
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241151-1	MCA-GW007-30-1005	Water	10/19/2005	11:00	10/20/2005	09:30
241151-2	MCA-GW007-39-1005	Water	10/19/2005	13:05	10/20/2005	09:30
241151-3	MCA-GW009-15-1005	Water	10/19/2005	13:45	10/20/2005	09:30
241151-4	MCA-GW009-30-1005	Water	10/19/2005	14:30	10/20/2005	09:30
241151-5	MCA-GWDUP102-1005	Water	10/19/2005	10:03	10/20/2005	09:30
241151-6	MCA-S0003-6-7-1005	Soil	10/19/2005	10:25	10/20/2005	09:30
241151-7	MCA-S0005-6-7-1005	Soil	10/19/2005	13:35	10/20/2005	09:30
241151-8	MCA-SODUP102-1005	Soil	10/19/2005	11:17	10/20/2005	09:30
241151-9	MCA-GW009-45-1005	Water	10/19/2005	15:00	10/20/2005	09:30
241151-10	TB101905	Water	10/19/2005	18:00	10/20/2005	09:30
241151-11	MCA-S00017-5-7-1005	Soil	10/19/2005	17:40	10/20/2005	09:30
241151-12	MCA-S0016-6-7-1005	Soil	10/19/2005	17:05	10/20/2005	09:30
241151-13	EB101905	Water	10/19/2005	18:05	10/20/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichloroethene	3.3			0.13	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon disulfide	1.0	J		0.15	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Acetone	12			1.4	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	2.0	U		0.24	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloromethane	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Vinyl chloride	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromomethane	2.0	U	*	1.2	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroethane	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichlorofluoromethane	2.0	U		0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethene	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon disulfide	10	U		0.30	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Acetone	10	U		2.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methylene chloride	2.0	U	*	0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,2-Dichloroethene	5.7		*	0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methyl-tert-butyl-ether (MTBE)	2.0	U	*	0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethane	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2,2-Dichloropropane	2.0	U	*	0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,2-Dichloroethene	74			0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Butanone (MEK)	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromochloromethane	2.0	U	*	0.54	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroform	5.5		*	0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1-Trichloroethane	2.0	U		0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloropropene	2.0	U		0.76	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon tetrachloride	2.0	U		0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Benzene	2.0	U		0.46	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dichloroethane	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichloroethene	950			2.6	20	20.0000	ug/L	163960	D1	10/27/05 1432	jdn
	1,2-Dichloropropane	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromomethane	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromodichloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,3-Dichloropropene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CHA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	10	U		1.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Toluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,3-Dichloropropene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2-Trichloroethane	2.0	U		0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Tetrachloroethene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3-Dichloropropane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Hexanone	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromochloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dibromoethane (EDB)	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chlorobenzene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1,2-Tetrachloroethane	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Ethylbenzene	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	m&p-Xylenes	4.0	U		0.72	4.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	o-Xylene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Styrene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromoform	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Isopropylbenzene	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromobenzene	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2,2-Tetrachloroethane	2.0	U	*	0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichloropropane	2.0	U	*	0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Propylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Chlorotoluene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3,5-Trimethylbenzene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	4-Chlorotoluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	tert-Butylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,4-Trimethylbenzene	2.0	U		0.52	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	sec-Butylbenzene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	p-Isopropyltoluene	2.0	U		0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Butylbenzene	2.0	U		0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	2.0	U		0.82	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichlorobenzene	2.0	U		0.86	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethene	1.4			0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,2-Dichloroethene	7.5		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,2-Dichloroethene	110			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichloroethene	490			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Tetrachloroethene	5.8			0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,4-Trimethylbenzene	2.0			0.26	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethene	1.3			0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,2-Dichloroethene	3.9		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,2-Dichloroethene	130			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichloroethene	610			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Tetrachloroethene	5.1			0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,4-Trimethylbenzene	1.8			0.26	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	sec-Butylbenzene	0.40	J	a	0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.9			0.10	0.10	1	%	163280		10/20/05 1526	pfk
	% Moisture, Solid	6.1			0.10	0.10	1	%	163280		10/20/05 1526	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035	U		0.0065	0.035	1	mg/Kg	163415		10/21/05 1447	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.85	U		0.31	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Barium, Solid*	8.5			0.061	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1737	tds
	Chromium, Solid*	3.3			0.085	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Lead, Solid*	4.8			0.21	0.42	1	mg/Kg	163565		10/24/05 1737	tds
	Selenium, Solid*	0.85	U		0.38	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Silver, Solid*	0.42	U		0.085	0.42	1	mg/Kg	163565		10/24/05 1737	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloromethane, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Vinyl chloride, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromomethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichlorofluoromethane, Solid*	5.9	U	*	1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloroethene, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon disulfide, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Acetone, Solid*	5.9	U	*	5.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methylene chloride, Solid*	5.9	U		1.9	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,2-Dichloroethene, Solid*	5.9	U		0.91	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.9	U		0.70	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2,2-Dichloropropane, Solid*	5.9	U	*	1.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,2-Dichloroethene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Butanone (MEK), Solid*	5.9	U	*	2.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromochloromethane, Solid*	5.9	U		0.88	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroform, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1-Trichloroethane, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloropropene, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon tetrachloride, Solid*	5.9	U		0.86	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Benzene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloroethane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichloroethene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloropropane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromomethane, Solid*	5.9	U		0.94	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromodichloromethane, Solid*	5.9	U		0.67	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,3-Dichloropropene, Solid*	5.9	U		0.68	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Toluene, Solid*	5.9	U		2.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,3-Dichloropropene, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2-Trichloroethane, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Tetrachloroethene, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3-Dichloropropane, Solid*	5.9	U		0.72	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Hexanone, Solid*	5.9	U	*	1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromochloromethane, Solid*	5.9	U		0.77	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromoethane (EDB), Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chlorobenzene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Ethylbenzene, Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	m&p-Xylenes, Solid*	12	U		1.4	12	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Styrene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromoform, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Isopropylbenzene, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromobenzene, Solid*	5.9	U		0.58	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.9	U		0.84	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichloropropane, Solid*	5.9	U		1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Propylbenzene, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Chlorotoluene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3,5-Trimethylbenzene, Solid*	5.9	U		0.95	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Chlorotoluene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	tert-Butylbenzene, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,4-Trimethylbenzene, Solid*	5.9	U		1.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	sec-Butylbenzene, Solid*	5.9	U		0.99	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	p-Isopropyltoluene, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Butylbenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.9	U		1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichlorobenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.3			0.10	0.10	1	%	163280		10/20/05 1528	pfk
	% Moisture, Solid	3.7			0.10	0.10	1	%	163280		10/20/05 1528	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0063	0.034	1	mg/Kg	163415		10/21/05 1453	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.83	U		0.31	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Barium, Solid*	2.6			0.060	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Cadmium, Solid*	0.17	U		0.048	0.17	1	mg/Kg	163565		10/24/05 1741	tds
	Chromium, Solid*	1.3			0.083	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Lead, Solid*	1.6			0.21	0.41	1	mg/Kg	163565		10/24/05 1741	tds
	Selenium, Solid*	0.83	U		0.37	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Silver, Solid*	0.41	U		0.083	0.41	1	mg/Kg	163565		10/24/05 1741	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloromethane, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Vinyl chloride, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromomethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichlorofluoromethane, Solid*	5.7	U	*	1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloroethene, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon disulfide, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Acetone, Solid*	5.7	U	*	4.9	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methylene chloride, Solid*	5.7	U		1.8	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,2-Dichloroethene, Solid*	5.7	U		0.88	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.7	U		0.68	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2,2-Dichloropropane, Solid*	5.7	U	*	1.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,2-Dichloroethene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Butanone (MEK), Solid*	5.7	U	*	2.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromochloromethane, Solid*	5.7	U		0.86	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroform, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1-Trichloroethane, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloropropene, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon tetrachloride, Solid*	5.7	U		0.84	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Benzene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloroethane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichloroethene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloropropane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromomethane, Solid*	5.7	U		0.92	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromodichloromethane, Solid*	5.7	U		0.65	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,3-Dichloropropene, Solid*	5.7	U		0.67	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Toluene, Solid*	5.7	U		2.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,3-Dichloropropene, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2-Trichloroethane, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Tetrachloroethene, Solid*	5.7	U		1.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3-Dichloropropane, Solid*	5.7	U		0.70	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Hexanone, Solid*	5.7	U	*	1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromochloromethane, Solid*	5.7	U		0.75	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromoethane (EDB), Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chlorobenzene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Ethylbenzene, Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	m&p-Xylenes, Solid*	11	U		1.4	11	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Styrene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromoform, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Isopropylbenzene, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromobenzene, Solid*	5.7	U		0.56	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.7	U		0.82	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichloropropane, Solid*	5.7	U		1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Propylbenzene, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Chlorotoluene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3,5-Trimethylbenzene, Solid*	5.7	U		0.93	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Chlorotoluene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	tert-Butylbenzene, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,4-Trimethylbenzene, Solid*	5.7	U		0.98	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	sec-Butylbenzene, Solid*	5.7	U		0.96	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	p-Isopropyltoluene, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Butylbenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.7	U		1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichlorobenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241151

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.8			0.10	0.10	1	%	163280		10/20/05 1529	pfk
	% Moisture, Solid	4.2			0.10	0.10	1	%	163280		10/20/05 1529	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0064	0.034	1	mg/Kg	163415		10/21/05 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.84	U		0.31	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Barium, Solid*	3.4			0.061	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1746	tds
	Chromium, Solid*	1.3			0.084	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Lead, Solid*	1.5			0.21	0.42	1	mg/Kg	163565		10/24/05 1746	tds
	Selenium, Solid*	0.84	U		0.38	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Silver, Solid*	0.42	U		0.084	0.42	1	mg/Kg	163565		10/24/05 1746	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloromethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Vinyl chloride, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromomethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichlorofluoromethane, Solid*	6.1	U	*	1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon disulfide, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Acetone, Solid*	6.1	U	*	5.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methylene chloride, Solid*	6.1	U		2.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,2-Dichloroethene, Solid*	6.1	U		0.94	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	6.1	U		0.72	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2,2-Dichloropropane, Solid*	6.1	U	*	1.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,2-Dichloroethene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Butanone (MEK), Solid*	6.1	U	*	2.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromochloromethane, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroform, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1-Trichloroethane, Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloropropene, Solid*	7.3			0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon tetrachloride, Solid*	6.1	U		0.89	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Benzene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloroethane, Solid*	5.8	J	a	0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichloroethene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloropropane, Solid*	47			0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromomethane, Solid*	6.1	U		0.98	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromodichloromethane, Solid*	6.1	U		0.70	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,3-Dichloropropene, Solid*	6.1	U		0.71	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Toluene, Solid*	6.1	U		2.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2-Trichloroethane, Solid*	13			1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Tetrachloroethene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3-Dichloropropane, Solid*	6.1	U		0.74	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Hexanone, Solid*	6.1	U	*	1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromochloromethane, Solid*	6.1	U		0.79	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chlorobenzene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Ethylbenzene, Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Styrene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromoform, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Isopropylbenzene, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromobenzene, Solid*	6.1	U		0.60	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichloropropane, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Propylbenzene, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Chlorotoluene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3,5-Trimethylbenzene, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Chlorotoluene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	tert-Butylbenzene, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,4-Trimethylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	sec-Butylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	p-Isopropyltoluene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Butylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,2-Dichloroethene	13			0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichloroethene	13			0.13	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241151 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	200	U		53	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,3-Dichlorobenzene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,4-Dichlorobenzene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2-Dichlorobenzene, Low Level Soil*	200	U		59	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzyl alcohol, Low Level Soil*	400	U		180	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	200	U		43	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	200	U		52	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachloroethane, Low Level Soil*	200	U		63	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	200	U		110	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chlorophenol, Low Level Soil*	200	U		48	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Nitrobenzene, Low Level Soil*	40	U		16	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	200	U		46	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	200	U		61	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzoic acid, Low Level Soil*	2000	U		410	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Isophorone, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dimethylphenol, Low Level Soil*	400	U		69	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobutadiene, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Naphthalene, Low Level Soil*	40	U		9.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dichlorophenol, Low Level Soil*	400	U		66	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chloroaniline, Low Level Soil*	810	U		190	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	400	U		53	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	400	U		89	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylnaphthalene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitroaniline, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chloronaphthalene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	400	U		90	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,6-Dinitrotoluene, Low Level Soil*	200	U		47	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitrophenol, Low Level Soil*	400	U		110	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3-Nitroaniline, Low Level Soil*	400	U		73	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dimethyl phthalate, Low Level Soil*	200	U		19	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrophenol, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthylene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrotoluene, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthene, Low Level Soil*	40	U		7.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzofuran, Low Level Soil*	200	U		26	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitrophenol, Low Level Soil*	810	U		310	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluorene, Low Level Soil*	40	U		9.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitroaniline, Low Level Soil*	400	U		83	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobenzene, Low Level Soil*	81	U		30	81	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Diethyl phthalate, Low Level Soil*	200	U		22	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pentachlorophenol, Low Level Soil*	810	U		250	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	400	U		64	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Phenanthrene, Low Level Soil*	40	U		6.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Anthracene, Low Level Soil*	40	U		4.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Carbazole, Low Level Soil*	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-butyl phthalate, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzidine, Low Level Soil*	2000	U		2000	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluoranthene, Low Level Soil*	40	U		7.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pyrene, Low Level Soil*	40	U		9.0	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Butyl benzyl phthalate, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)anthracene, Low Level Soil*	40	U		8.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	810	U		170	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	200	U		96	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-octyl phthalate, Low Level Soil*	200	U		36	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(b)fluoranthene, Low Level Soil*	40	U		7.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(k)fluoranthene, Low Level Soil*	40	U		12	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)pyrene, Low Level Soil*	40	U		6.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	40	U		13	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	40	U		8.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(ghi)perylene, Low Level Soil*	40	U		8.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	163280		10/20/05 1530	pfk
	% Moisture, Solid	18.6			0.10	0.10	1	%	163280		10/20/05 1530	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.026	B		0.0075	0.041	1	mg/Kg	163415		10/21/05 1457	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.1			0.35	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Barium, Solid*	97			0.068	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Cadmium, Solid*	0.19	B		0.055	0.19	1	mg/Kg	163565		10/24/05 1811	tds
	Chromium, Solid*	4.1			0.095	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Lead, Solid*	6.8			0.24	0.48	1	mg/Kg	163565		10/24/05 1811	tds
	Selenium, Solid*	0.83	B		0.43	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Silver, Solid*	0.20	B		0.095	0.48	1	mg/Kg	163565		10/24/05 1811	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	360	U		94	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,3-Dichlorobenzene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,4-Dichlorobenzene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2-Dichlorobenzene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzyl alcohol, Low Level Soil*	700	U		320	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	360	U		77	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	360	U		92	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachloroethane, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	360	U		190	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chlorophenol, Low Level Soil*	360	U		85	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Nitrobenzene, Low Level Soil*	70	U		28	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	360	U		81	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzoic acid, Low Level Soil*	3600	U		730	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Isophorone, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dimethylphenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobutadiene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Naphthalene, Low Level Soil*	70	U		17	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dichlorophenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chloroaniline, Low Level Soil*	1400	U		330	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	700	U		94	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	1400	U		560	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylnaphthalene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitroaniline, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chloronaphthalene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,6-Dinitrotoluene, Low Level Soil*	360	U		83	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitrophenol, Low Level Soil*	700	U		200	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3-Nitroaniline, Low Level Soil*	700	U		130	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dimethyl phthalate, Low Level Soil*	360	U		34	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrophenol, Low Level Soil*	1400	U		570	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthylene, Low Level Soil*	140			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrotoluene, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthene, Low Level Soil*	70	U		14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzofuran, Low Level Soil*	360	U		47	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitrophenol, Low Level Soil*	1400	U		550	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluorene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitroaniline, Low Level Soil*	700	U		150	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobenzene, Low Level Soil*	140	U		53	140	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Diethyl phthalate, Low Level Soil*	360	U		38	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chlorophenyl phenyl ether, Low Level So*i	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pentachlorophenol, Low Level Soil*	1400	U		440	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	700	U		110	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Phenanthrene, Low Level Soil*	180			11	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Anthracene, Low Level Soil*	140			7.7	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Carbazole, Low Level Soil*	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-butyl phthalate, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzidine, Low Level Soil*	3600	U		3600	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluoranthene, Low Level Soil*	590			13	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pyrene, Low Level Soil*	830			16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Butyl benzyl phthalate, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)anthracene, Low Level Soil*	500		H	16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	500			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	1400	U		300	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	360	U		170	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-octyl phthalate, Low Level Soil*	360	U		64	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(b)fluoranthene, Low Level Soil*	510			14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(k)fluoranthene, Low Level Soil*	570		M	22	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)pyrene, Low Level Soil*	1100		M	12	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	70	U		23	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	70	U		15	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(ghi)perylene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
Method	% Solids Determination											
	% Solids, Solid	91.1			0.10	0.10	1	%	163280		10/20/05 1533	pfk
	% Moisture, Solid	8.9			0.10	0.10	1	%	163280		10/20/05 1533	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.013	B		0.0067	0.036	1	mg/Kg	163415		10/21/05 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.87	U		0.32	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Barium, Solid*	11			0.063	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Cadmium, Solid*	0.051	B		0.051	0.17	1	mg/Kg	163565		10/24/05 1833	tds
	Chromium, Solid*	3.6			0.087	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Lead, Solid*	3.3			0.22	0.44	1	mg/Kg	163565		10/24/05 1833	tds
	Selenium, Solid*	0.87	U		0.39	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Silver, Solid*	0.11	B		0.087	0.44	1	mg/Kg	163565		10/24/05 1833	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Acetone	6.4			1.4	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methylene chloride	1.9		*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	m&p-Xylenes	2.9			0.36	2.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241151 — Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Lab ID: 241151-1 — Client ID: MCA-GW007-30-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1319	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163960	163893	10/27/2005	1319	1.00000

Lab ID: 241151-2 — Client ID: MCA-GW007-39-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1343	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1343	1.00000

Lab ID: 241151-3 — Client ID: MCA-GW009-15-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1408	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1432	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1408	2.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1432	20.0000

Lab ID: 241151-4 — Client ID: MCA-GW009-30-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1456	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1520	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1456	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1520	10.0000

Lab ID: 241151-5 — Client ID: MCA-GWDUP102-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1544	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1608	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1544	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1608	10.0000

Lab ID: 241151-6 — Client ID: MCA-S0003-6-7-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1526	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1200	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0558	
5035	5035 Preservation Low	2	163307		10/21/2005	0555	
5035	5035 Preservation Low	2	163307		10/21/2005	0558	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1447	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1737	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1200	1.00000

Lab ID: 241151-7 — Client ID: MCA-S0005-6-7-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1528	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1136	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0600	
5035	5035 Preservation Low	1	163307		10/21/2005	0602	
5035	5035 Preservation Low	2	163307		10/21/2005	0600	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1453	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1741	

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LABORATORY CHRONICLE

Job Number: 241151 — Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Lab ID: 241151-7 Client ID: MCA-S0005-6-7-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1136	1.00000

Lab ID: 241151-8 Client ID: MCA-S0DUP102-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1529	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1111	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0605	
5035	5035 Preservation Low	1	163307		10/21/2005	0607	
5035	5035 Preservation Low	2	163307		10/21/2005	0605	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1455	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1746	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1111	1.00000

Lab ID: 241151-9 Client ID: MCA-GW009-45-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1632	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1632	1.00000

Lab ID: 241151-10 Client ID: TB101905 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1656	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1656	1.00000

Lab ID: 241151-11 Client ID: MCA-S0017-5-7-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1530	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1457	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1811	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/26/2005	2238	1.00000

Lab ID: 241151-12 Client ID: MCA-S0016-6-7-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1533	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1506	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1833	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1605	2.00000

Lab ID: 241151-13 Client ID: EB101905 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1721	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1721	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164085
Prep Batch..: 163307

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			10/28/2005	95	88	92	91
241151- 6		MCA-S0003-6-7-1005	10/28/2005	94	87	91	92
241151- 7		MCA-S0005-6-7-1005	10/28/2005	89	83	85	91
241151- 8		MCA-SODUP102-1005	10/28/2005	91	84	86	91

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163960
Prep Batch..: 163893

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/27/2005	85	95	98	97
LCS			10/27/2005	89	96	107	97
MB			10/27/2005	98	90	100	94
241151- 1		MCA-GW007-30-1005	10/27/2005	91	91	99	96
241151- 2		MCA-GW007-39-1005	10/27/2005	91	92	99	98
241151- 3		MCA-GW009-15-1005	10/27/2005	89	91	101	97
241151- 3	D1	MCA-GW009-15-1005	10/27/2005	91	90	101	97
241151- 4		MCA-GW009-30-1005	10/27/2005	89	88	109	95
241151- 4	D1	MCA-GW009-30-1005	10/27/2005	89	90	96	96
241151- 5		MCA-GWDUP102-1005	10/27/2005	92	86	106	94
241151- 5	D1	MCA-GWDUP102-1005	10/27/2005	90	89	100	97
241151- 9		MCA-GW009-45-1005	10/27/2005	90	88	102	96
241151- 10		TB101905	10/27/2005	93	91	102	97
241151- 13		EB101905	10/27/2005	93	90	102	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164085
Prep Batch..: 164055

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	80	78*	84	88
LCS			10/28/2005	83	82	87	90
MB			10/28/2005	87	87	88	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 164085

Prep Batch..: 164055

Test	Test Description	Limits
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Semivolatile Organics Test Matrix...: Low Level Soil Prep Batch..: 163290
Method Code...: 8270 Batch(s).....: 164092

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/26/2005	87	77	86	76	83	80
MB			10/28/2005	76	71	78	73	78	81
241151- 11		MCA-S00017-5-7-1005	10/26/2005	77	64	79	69	77	69
241151- 11 MS		MCA-S00017-5-7-1005	10/26/2005	87	71	75	68	76	79
241151- 11 MSD		MCA-S00017-5-7-1005	10/26/2005	83	71	78	70	76	80
241151- 12		MCA-S0016-6-7-1005	10/28/2005	99	86	90	88	91	116

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	20 - 150
2FLUBP	2-Fluorobiphenyl (surr)	41 - 108
2FLUPH	2-Fluorophenol (surr)	35 - 118
NITRD5	Nitrobenzene-d5 (surr)	22 - 108
PHEND5	Phenol-d5 (surr)	21 - 129
TERD14	Terphenyl-d14 (surr)	37 - 137

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Test Method.....: 8270C — Equipment Code....: GCL11 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1629.550		1667.000	167.000 U	98	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1388.983		1667.000	167.000 U	83	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1261.034		1667.000	167.000 U	76	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1136.285		1667.000	167.000 U	68	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1262.924		1667.000	167.000 U	76	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1415.003		1667.000	330.000 U	85	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1335.777		1667.000	167.000 U	80	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1229.388		1667.000	167.000 U	74	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1322.107		1667.000	167.000 U	79	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1285.907		1667.000	167.000 U	77	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1439.356		1667.000	167.000 U	86	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1403.926		1667.000	167.000 U	84	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1309.770		1667.000	33.000 U	79	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1362.696		1667.000	167.000 U	82	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1305.254		1667.000	167.000 U	78	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1332.830	J	1667.000	1670.000 U	80	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1355.830		1667.000	167.000 U	81	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1393.503		1667.000	330.000 U	84	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1347.877		1667.000	167.000 U	81	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1270.911		1667.000	33.000 U	76	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1403.849		1667.000	330.000 U	84	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1290.187		1667.000	670.000 U	77	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1457.312		1667.000	330.000 U	87	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1511.555		1667.000	330.000 U	91	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1156.852		1667.000	670.000 U	69	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1276.741		1667.000	167.000 U	77	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1404.356		1667.000	167.000 U	84	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1323.370		1667.000	167.000 U	79	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1470.685		1667.000	330.000 U	88	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1507.452		1667.000	167.000 U	90	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1419.409		1667.000	330.000 U	85	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1442.719		1667.000	330.000 U	87	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1441.349		1667.000	167.000 U	86	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1394.829		1667.000	670.000 U	84	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1335.387		1667.000	33.000 U	80	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1381.416		1667.000	167.000 U	83	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1265.201		1667.000	33.000 U	76	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1365.380		1667.000	167.000 U	82	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1330.563		1667.000	670.000 U	80	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1311.290		1667.000	33.000 U	79	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1372.830		1667.000	330.000 U	82	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1289.567		1667.000	167.000 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1374.746		1667.000	67.000 U	82	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1453.042		1667.000	167.000 U	87	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1399.956		1667.000	167.000 U	84	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1170.815		1667.000	670.000 U	70	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1326.700		1667.000	167.000 U	80	%	63-108	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1609.557		1667.000	330.000 U	97	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1391.923		1667.000	33.000 U	84	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1283.137		1667.000	33.000 U	77	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: GMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1381.293		1667.000	167.000 U	83	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1442.292		1667.000	167.000 U	87	%	51-130	
Benzidine, Low Level Soil	ug/Kg	1271.504	J	1670.000	1670.000 U	76	%	10-100	
Fluoranthene, Low Level Soil	ug/Kg	1313.507		1667.000	33.000 U	79	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1372.540		1667.000	33.000 U	82	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1485.928		1667.000	167.000 U	89	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1335.093		1667.000	33.000 U	80	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1351.173		1667.000	33.000 U	81	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	1398.699		1667.000	670.000 U	84	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1501.892		1667.000	167.000 U	90	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1547.025		1667.000	167.000 U	93	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1601.161		1667.000	33.000 U	96	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1255.254		1667.000	33.000 U	75	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1391.686		1667.000	33.000 U	84	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1402.539		1667.000	33.000 U	84	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1425.516		1667.000	33.000 U	86	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1370.210		1667.000	33.000 U	82	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Test Method.....: 8270C — Equipment Code....: GCL11 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 164092

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	167.000	U							
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzyl alcohol, Low Level Soil	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), Low Level S	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	167.000	U							
Hexachloroethane, Low Level Soil	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	167.000	U							
2-Chlorophenol, Low Level Soil	ug/Kg	167.000	U							
Nitrobenzene, Low Level Soil	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzoic acid, Low Level Soil	ug/Kg	1670.000	U							
Isophorone, Low Level Soil	ug/Kg	167.000	U							
2,4-Dimethylphenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorobutadiene, Low Level Soil	ug/Kg	167.000	U							
Naphthalene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dichlorophenol, Low Level Soil	ug/Kg	330.000	U							
4-Chloroaniline, Low Level Soil	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, Low Level S	ug/Kg	670.000	U							
2-Methylnaphthalene, Low Level Soil	ug/Kg	167.000	U							
2-Nitroaniline, Low Level Soil	ug/Kg	167.000	U							
2-Chloronaphthalene, Low Level Soil	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	330.000	U							
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
2-Nitrophenol, Low Level Soil	ug/Kg	330.000	U							
3-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
Dimethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
2,4-Dinitrophenol, Low Level Soil	ug/Kg	670.000	U							
Acenaphthylene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
Acenaphthene, Low Level Soil	ug/Kg	33.000	U							
Dibenzofuran, Low Level Soil	ug/Kg	167.000	U							
4-Nitrophenol, Low Level Soil	ug/Kg	670.000	U							
Fluorene, Low Level Soil	ug/Kg	33.000	U							
4-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Hexachlorobenzene, Low Level Soil	ug/Kg	67.000	U							
Diethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Pentachlorophenol, Low Level Soil	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	330.000	U							
Phenanthrene, Low Level Soil	ug/Kg	33.000	U							
Anthracene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	167.000	U							
Di-n-butyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzidine, Low Level Soil	ug/Kg	1670.000	U							
Fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Pyrene, Low Level Soil	ug/Kg	33.000	U							
Butyl benzyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(a)anthracene, Low Level Soil	ug/Kg	33.000	U							
Chrysene, Low Level Soil	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	670.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	167.000	U							
Di-n-octyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(a)pyrene, Low Level Soil	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	33.000	U							
Benzo(ghi)perylene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1776.785		2027.000	203.108 U	88	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1400.582		2027.000	203.108 U	69	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1308.347		2027.000	203.108 U	65	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1330.524		2027.000	203.108 U	66	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1362.654		2027.000	203.108 U	67	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1595.294		2027.000	401.351 U	79	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1538.189		2027.000	203.108 U	76	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1313.723		2027.000	203.108 U	65	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1448.167		2027.000	203.108 U	71	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1310.743		2027.000	203.108 U	65	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1662.149		2027.000	203.108 U	82	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1555.315		2027.000	203.108 U	77	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1428.687		2027.000	40.135 U	70	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1510.596		2027.000	203.108 U	75	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1446.153		2027.000	203.108 U	71	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1548.183	J	2027.000	2031.081 U	76	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1517.439		2027.000	203.108 U	75	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1651.596		2027.000	401.351 U	81	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1449.112		2027.000	203.108 U	71	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1393.722		2027.000	40.135 U	69	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1633.887		2027.000	401.351 U	81	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1302.586		2027.000	814.865 U	64	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1706.641		2027.000	401.351 U	84	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1631.548		2027.000	401.351 U	80	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1165.315		2027.000	814.865 U	57	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1438.830		2027.000	203.108 U	71	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1620.037		2027.000	203.108 U	80	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1504.453		2027.000	203.108 U	74	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1737.162		2027.000	401.351 U	86	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1726.163		2027.000	203.108 U	85	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1568.560		2027.000	401.351 U	77	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1517.468		2027.000	401.351 U	75	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1675.898		2027.000	203.108 U	83	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1668.888		2027.000	814.865 U	82	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1519.203		2027.000	40.135 U	75	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1592.549		2027.000	203.108 U	79	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1459.426		2027.000	40.135 U	72	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1583.707		2027.000	203.108 U	78	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1600.998		2027.000	814.865 U	79	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1530.218		2027.000	40.135 U	75	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1354.586		2027.000	401.351 U	67	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1569.772		2027.000	203.108 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1552.959		2027.000	81.486 U	77	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1695.224		2027.000	203.108 U	84	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1660.556		2027.000	203.108 U	82	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1365.346		2027.000	814.865 U	67	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1192.743		2027.000	203.108 U	59	%	63-108	*
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1451.711		2027.000	401.351 U	72	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1605.827		2027.000	40.135 U	79	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1461.680		2027.000	40.135 U	72	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1481.887		2027.000	203.108 U	73	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1585.633		2027.000	203.108 U	78	%	51-130	
Benzidine, Low Level Soil	ug/Kg	2031.081	U	2031.000	2031.081 U	0	%	10-100	*
Fluoranthene, Low Level Soil	ug/Kg	1506.339		2027.000	40.135 U	74	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1609.553		2027.000	40.135 U	79	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1719.283		2027.000	203.108 U	85	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1567.429		2027.000	40.135 U	77	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1552.813		2027.000	40.135 U	77	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	810.876	J	2027.000	814.865 U	40	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1730.282		2027.000	48.846 J	85	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1672.991		2027.000	203.108 U	83	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1852.608		2027.000	40.135 U	91	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1400.667		2027.000	40.135 U	69	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1540.403		2027.000	40.135 U	76	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1380.716		2027.000	40.135 U	68	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1422.021		2027.000	40.135 U	70	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1264.593		2027.000	40.135 U	62	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1812.244	1776.785		2047.000	205.160	U	89	%	34-119	
								1	R	20	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1426.595	1400.582		2047.000	205.160	U	70	%	42-101	
								1	R	20	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1298.633	1308.347		2047.000	205.160	U	63	%	48-100	
								3	R	20	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1350.643	1330.524		2047.000	205.160	U	66	%	50-100	
								0	R	20	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1350.099	1362.654		2047.000	205.160	U	66	%	49-104	
								2	R	20	
Benzyl alcohol, Low Level Soil	ug/Kg	1594.198	1595.294		2047.000	405.405	U	78	%	14-150	
								1	R	20	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1554.939	1538.189		2047.000	205.160	U	76	%	36-110	
								0	R	20	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1328.252	1313.723		2047.000	205.160	U	65	%	48-100	
								0	R	20	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1476.604	1448.167		2047.000	205.160	U	72	%	49-138	
								1	R	20	
Hexachloroethane, Low Level Soil	ug/Kg	1295.423	1310.743		2047.000	205.160	U	63	%	46-100	
								3	R	20	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1679.050	1662.149		2047.000	205.160	U	82	%	33-114	
								0	R	20	
2-Chlorophenol, Low Level Soil	ug/Kg	1572.569	1555.315		2047.000	205.160	U	77	%	52-103	
								0	R	20	
Nitrobenzene, Low Level Soil	ug/Kg	1504.468	1428.687		2047.000	40.541	U	74	%	50-100	
								6	R	20	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1580.301	1510.596		2047.000	205.160	U	77	%	55-116	
								3	R	20	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1491.602	1446.153		2047.000	205.160	U	73	%	53-107	
								3	R	20	
Benzoic acid, Low Level Soil	ug/Kg	2409.748	1548.183	J	2047.000	2051.597	U	118	%	40-143	
								43	R	20	*
Isophorone, Low Level Soil	ug/Kg	1608.697	1517.439		2047.000	205.160	U	79	%	52-116	
								5	R	20	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1710.397	1651.596		2047.000	405.405	U	84	%	11-115	
								4	R	20	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1505.606	1449.112		2047.000	205.160	U	74	%	52-118	
								4	R	20	
Naphthalene, Low Level Soil	ug/Kg	1473.788	1393.722		2047.000	40.541	U	72	%	49-100	
								4	R	20	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1712.673	1633.887		2047.000	405.405	U	84	%	58-103	
								4	R	20	
4-Chloroaniline, Low Level Soil	ug/Kg	1421.466	1302.586		2047.000	823.096	U	69	%	15-114	
								8	R	20	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1822.481	1706.641		2047.000	405.405	U	89	%	57-105	
								6	R	20	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1691.317	1631.548		2047.000	405.405	U	83	%	62-118	
								4	R	20	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1037.918	1165.315		2047.000	823.096	U	51	%	32-100	
								11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.		Limits	F
2-Methylnaphthalene, Low Level Soil	ug/Kg	1504.042	1438.830	2047.000	205.160	U	73	%	30-115	
							3	R	20	
2-Nitroaniline, Low Level Soil	ug/Kg	1654.817	1620.037	2047.000	205.160	U	81	%	55-106	
							1	R	20	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1522.826	1504.453	2047.000	205.160	U	74	%	59-114	
							0	R	20	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1794.654	1737.162	2047.000	405.405	U	88	%	56-110	
							2	R	20	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1760.332	1726.163	2047.000	205.160	U	86	%	62-111	
							1	R	20	
2-Nitrophenol, Low Level Soil	ug/Kg	1674.858	1568.560	2047.000	405.405	U	82	%	53-102	
							6	R	20	
3-Nitroaniline, Low Level Soil	ug/Kg	1582.475	1517.468	2047.000	405.405	U	77	%	28-100	
							3	R	20	
Dimethyl phthalate, Low Level Soil	ug/Kg	1711.338	1675.898	2047.000	205.160	U	84	%	63-105	
							1	R	20	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1460.607	1668.888	2047.000	823.096	U	71	%	44-139	
							14	R	20	
Acenaphthylene, Low Level Soil	ug/Kg	1542.495	1519.203	2047.000	40.541	U	75	%	50-103	
							0	R	20	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1634.935	1592.549	2047.000	205.160	U	80	%	61-113	
							1	R	20	
Acenaphthene, Low Level Soil	ug/Kg	1490.227	1459.426	2047.000	40.541	U	73	%	51-100	
							1	R	20	
Dibenzofuran, Low Level Soil	ug/Kg	1604.542	1583.707	2047.000	205.160	U	78	%	49-103	
							0	R	20	
4-Nitrophenol, Low Level Soil	ug/Kg	1578.541	1600.998	2047.000	823.096	U	77	%	45-129	
							3	R	20	
Fluorene, Low Level Soil	ug/Kg	1547.820	1530.218	2047.000	40.541	U	76	%	51-109	
							1	R	20	
4-Nitroaniline, Low Level Soil	ug/Kg	1375.842	1354.586	2047.000	405.405	U	67	%	32-111	
							0	R	20	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1627.146	1569.772	2047.000	205.160	U	80	%	62-108	
							4	R	20	
Hexachlorobenzene, Low Level Soil	ug/Kg	1710.274	1552.959	2047.000	82.310	U	84	%	62-105	
							9	R	20	
Diethyl phthalate, Low Level Soil	ug/Kg	1529.232	1695.224	2047.000	205.160	U	75	%	62-110	
							11	R	20	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1587.297	1660.556	2047.000	205.160	U	78	%	62-106	
							5	R	20	
Pentachlorophenol, Low Level Soil	ug/Kg	1738.584	1365.346	2047.000	823.096	U	85	%	43-122	
							24	R	20	*
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1470.239	1192.743	2047.000	205.160	U	72	%	63-108	
							20	R	20	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1586.515	1451.711	2047.000	405.405	U	78	%	67-130	
							8	R	20	
Phenanthrene, Low Level Soil	ug/Kg	1508.655	1605.827	2047.000	40.541	U	74	%	50-110	
							7	R	20	
Anthracene, Low Level Soil	ug/Kg	1583.588	1461.680	2047.000	40.541	U	77	%	51-110	
							7	R	20	
Carbazole, Low Level Soil	ug/Kg	1632.987	1481.887	2047.000	205.160	U	80	%	49-131	
							9	R	20	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1827.291	1585.633	2047.000	205.160	U	89	%	51-130	
							13	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005 2318

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Benzidine, Low Level Soil	ug/Kg	2051.597	U	2051.597	U	2052.000	2051.597	U	0	%	10-100	*
									0	R	20	
Fluoranthene, Low Level Soil	ug/Kg	1679.451		1506.339		2047.000	40.541	U	82	%	55-122	
									10	R	20	
Pyrene, Low Level Soil	ug/Kg	1637.580		1609.553		2047.000	40.541	U	80	%	41-121	
									1	R	20	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1717.867		1719.283		2047.000	205.160	U	84	%	56-113	
									1	R	20	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1573.302		1567.429		2047.000	40.541	U	77	%	49-119	
									0	R	20	
Chrysene, Low Level Soil	ug/Kg	1589.417		1552.813		2047.000	40.541	U	78	%	39-124	
									1	R	20	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	905.825		810.876	J	2047.000	823.096	U	44	%	22-106	
									10	R	20	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1798.199		1730.282		2047.000	48.846	J	88	%	49-144	
									3	R	20	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1818.863		1672.991		2047.000	205.160	U	89	%	45-130	
									7	R	20	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1743.144		1852.608		2047.000	40.541	U	85	%	44-132	
									7	R	20	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1665.451		1400.667		2047.000	40.541	U	81	%	43-141	
									16	R	20	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1575.606		1540.403		2047.000	40.541	U	77	%	45-129	
									1	R	20	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1470.366		1380.716		2047.000	40.541	U	72	%	36-138	
									6	R	20	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1512.294		1422.021		2047.000	40.541	U	74	%	30-144	
									6	R	20	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1369.411		1264.593		2047.000	40.541	U	67	%	41-129	
									8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163960

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.192	12.075	25.000	1.000 U	49	%	24-171	
						1	R	20	
Chloromethane	ug/L	20.912	22.378	25.000	1.000 U	84	%	31-182	
						7	R	20	
Vinyl chloride	ug/L	22.414	23.798	25.000	1.000 U	90	%	50-145	
						6	R	20	
Bromomethane	ug/L	24.447	32.127	25.000	1.000 U	98	%	31-188	
						27	R	20	*
Chloroethane	ug/L	30.409	31.840	25.000	1.000 U	122	%	58-148	
						5	R	20	
Trichlorofluoromethane	ug/L	25.693	28.278	25.000	1.000 U	103	%	54-142	
						10	R	20	
1,1-Dichloroethene	ug/L	25.991	30.158	25.000	1.000 U	104	%	51-136	
						15	R	20	
Carbon disulfide	ug/L	21.021	24.189	25.000	5.000 U	84	%	21-111	
						14	R	20	
Acetone	ug/L	34.584	32.209	25.000	5.000 U	138	%	14-177	
						7	R	20	
Methylene chloride	ug/L	23.536	29.179	25.000	1.000 U	94	%	64-127	
						21	R	20	*
trans-1,2-Dichloroethene	ug/L	26.025	32.090	25.000	1.000 U	104	%	62-138	
						21	R	20	*
Methyl-tert-butyl-ether (MTBE)	ug/L	21.019	27.485	25.000	1.000 U	84	%	55-142	
						27	R	20	*
1,1-Dichloroethane	ug/L	24.316	29.512	25.000	1.000 U	97	%	70-124	
						19	R	20	
2,2-Dichloropropane	ug/L	22.145	27.750	25.000	1.000 U	89	%	68-127	
						22	R	20	*
cis-1,2-Dichloroethene	ug/L	25.655	30.053	25.000	1.000 U	103	%	70-125	
						16	R	20	
2-Butanone (MEK)	ug/L	22.269	25.255	25.000	5.000 U	89	%	29-139	
						13	R	20	
Bromochloromethane	ug/L	20.850	25.928	25.000	1.000 U	83	%	57-116	
						22	R	20	*
Chloroform	ug/L	25.360	30.832	25.000	1.000 U	101	%	75-122	
						19	R	20	
1,1,1-Trichloroethane	ug/L	26.006	30.993	25.000	1.000 U	104	%	70-127	
						18	R	20	
1,1-Dichloropropene	ug/L	25.204	29.057	25.000	1.000 U	101	%	70-125	
						14	R	20	
Carbon tetrachloride	ug/L	25.351	28.446	25.000	1.000 U	101	%	64-132	
						12	R	20	
Benzene	ug/L	23.798	26.972	25.000	1.000 U	95	%	75-122	
						13	R	20	
1,2-Dichloroethane	ug/L	21.308	24.745	25.000	1.000 U	85	%	67-120	
						15	R	20	
Trichloroethene	ug/L	25.061	27.356	25.000	1.000 U	100	%	70-125	
						9	R	20	
1,2-Dichloropropane	ug/L	22.011	25.758	25.000	1.000 U	88	%	76-116	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005 1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	17.620	21.145	25.000	1.000 U	70 18	% R	68-116 20	
Bromodichloromethane	ug/L	23.229	28.173	25.000	1.000 U	93 19	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	19.797	24.255	26.000	1.000 U	76 20	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	19.091	23.138	25.000	5.000 U	76 19	% R	39-137 20	
Toluene	ug/L	23.937	27.145	25.000	1.000 U	96 13	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	17.280	21.034	24.000	1.000 U	72 20	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	22.806	27.938	25.000	1.000 U	91 20	% R	63-127 20	
Tetrachloroethene	ug/L	25.395	26.977	25.000	1.000 U	102 6	% R	45-150 20	
1,3-Dichloropropane	ug/L	22.405	25.928	25.000	1.000 U	90 15	% R	72-118 20	
2-Hexanone	ug/L	22.412	26.132	25.000	5.000 U	90 15	% R	36-144 20	
Dibromochloromethane	ug/L	22.436	26.727	25.000	1.000 U	90 17	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	20.330	24.607	25.000	1.000 U	81 19	% R	62-123 20	
Chlorobenzene	ug/L	23.086	25.971	25.000	1.000 U	92 12	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.560	26.751	25.000	1.000 U	94 13	% R	77-120 20	
Ethylbenzene	ug/L	26.225	28.773	25.000	1.000 U	105 9	% R	75-125 20	
m&p-Xylenes	ug/L	50.310	54.885	50.000	2.000 U	101 9	% R	75-123 20	
o-Xylene	ug/L	24.928	27.526	25.000	1.000 U	100 10	% R	76-121 20	
Styrene	ug/L	24.855	27.396	25.000	1.000 U	99 10	% R	77-128 20	
Bromoform	ug/L	20.799	25.400	25.000	1.000 U	83 20	% R	65-115 20	
Isopropylbenzene	ug/L	25.218	27.000	25.000	1.000 U	101 7	% R	64-119 20	
Bromobenzene	ug/L	24.704	27.967	25.000	1.000 U	99 12	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	21.041	26.813	25.000	1.000 U	84 24	% R	61-122 20	*
1,2,3-Trichloropropane	ug/L	21.791	26.879	25.000	1.000 U	87 21	% R	62-124 20	*
n-Propylbenzene	ug/L	27.768	29.599	25.000	1.000 U	111 6	% R	69-132 20	
2-Chlorotoluene	ug/L	26.129	28.650	25.000	1.000 U	105 9	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	27.513	29.849	25.000	1.000 U	110 8	% R	70-132 20	
4-Chlorotoluene	ug/L	25.464	27.614	25.000	1.000 U	102 8	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.051	29.882	25.000	1.000	U	112	%	70-133	
							6	R	20	
1,2,4-Trimethylbenzene	ug/L	26.552	28.650	25.000	1.000	U	106	%	71-131	
							8	R	20	
sec-Butylbenzene	ug/L	28.425	29.721	25.000	1.000	U	114	%	70-134	
							4	R	20	
p-Isopropyltoluene	ug/L	25.718	26.755	25.000	1.000	U	103	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	27.486	28.486	25.000	1.000	U	110	%	64-142	
							4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	19.956	23.516	25.000	1.000	U	80	%	57-119	
							16	R	20	
1,2,3-Trichlorobenzene	ug/L	22.525	24.626	25.000	1.000	U	90	%	66-124	
							9	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163960

LCS	Laboratory Control Sample	V05J27DSA	163893-017		10/27/2005	0854

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.075		25.000	1.000 U	48	%	24-171	
Chloromethane	ug/L	22.378		25.000	1.000 U	90	%	31-182	
Vinyl chloride	ug/L	23.798		25.000	1.000 U	95	%	50-145	
Bromomethane	ug/L	32.127		25.000	1.000 U	129	%	31-188	
Chloroethane	ug/L	31.840		25.000	1.000 U	127	%	58-148	
Trichlorofluoromethane	ug/L	28.278		25.000	1.000 U	113	%	54-142	
1,1-Dichloroethene	ug/L	30.158		25.000	1.000 U	121	%	51-136	
Carbon disulfide	ug/L	24.189		25.000	5.000 U	97	%	21-111	
Acetone	ug/L	32.209		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	29.179		25.000	1.000 U	117	%	64-127	
trans-1,2-Dichloroethene	ug/L	32.090		25.000	1.000 U	128	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.485		25.000	1.000 U	110	%	55-142	
1,1-Dichloroethane	ug/L	29.512		25.000	1.000 U	118	%	70-124	
2,2-Dichloropropane	ug/L	27.750		25.000	1.000 U	111	%	68-127	
cis-1,2-Dichloroethene	ug/L	30.053		25.000	1.000 U	120	%	70-125	
2-Butanone (MEK)	ug/L	25.255		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	25.928		25.000	1.000 U	104	%	57-116	
Chloroform	ug/L	30.832		25.000	1.000 U	123	%	75-122	*
1,1,1-Trichloroethane	ug/L	30.993		25.000	1.000 U	124	%	70-127	
1,1-Dichloropropene	ug/L	29.057		25.000	1.000 U	116	%	70-125	
Carbon tetrachloride	ug/L	28.446		25.000	1.000 U	114	%	64-132	
Benzene	ug/L	26.972		25.000	1.000 U	108	%	75-122	
1,2-Dichloroethane	ug/L	24.745		25.000	1.000 U	99	%	67-120	
Trichloroethene	ug/L	27.356		25.000	1.000 U	109	%	70-125	
1,2-Dichloropropane	ug/L	25.758		25.000	1.000 U	103	%	76-116	
Dibromomethane	ug/L	21.145		25.000	1.000 U	85	%	68-116	
Bromodichloromethane	ug/L	28.173		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.255		26.000	1.000 U	93	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.138		25.000	5.000 U	93	%	39-137	
Toluene	ug/L	27.145		25.000	1.000 U	109	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.034		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.938		25.000	1.000 U	112	%	63-127	
Tetrachloroethene	ug/L	26.977		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.928		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	26.132		25.000	5.000 U	105	%	36-144	
Dibromochloromethane	ug/L	26.727		25.000	1.000 U	107	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.607		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	25.971		25.000	1.000 U	104	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.751		25.000	1.000 U	107	%	77-120	
Ethylbenzene	ug/L	28.773		25.000	1.000 U	115	%	75-125	
m&p-Xylenes	ug/L	54.885		50.000	2.000 U	110	%	75-123	
o-Xylene	ug/L	27.526		25.000	1.000 U	110	%	76-121	
Styrene	ug/L	27.396		25.000	1.000 U	110	%	77-128	
Bromoform	ug/L	25.400		25.000	1.000 U	102	%	65-115	
Isopropylbenzene	ug/L	27.000		25.000	1.000 U	108	%	64-119	
Bromobenzene	ug/L	27.967		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	26.813		25.000	1.000 U	107	%	61-122	
1,2,3-Trichloropropane	ug/L	26.879		25.000	1.000 U	108	%	62-124	
n-Propylbenzene	ug/L	29.599		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.650		25.000	1.000 U	115	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163893-017		10/27/2005	0854

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.849		25.000	1.000	U	119	%	70-132	
4-Chlorotoluene	ug/L	27.614		25.000	1.000	U	110	%	70-126	
tert-Butylbenzene	ug/L	29.882		25.000	1.000	U	120	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.650		25.000	1.000	U	115	%	71-131	
sec-Butylbenzene	ug/L	29.721		25.000	1.000	U	119	%	70-134	
p-Isopropyltoluene	ug/L	26.755		25.000	1.000	U	107	%	66-130	
n-Butylbenzene	ug/L	28.486		25.000	1.000	U	114	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.516		25.000	1.000	U	94	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.626		25.000	1.000	U	99	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 163960

Analyst...: jdn

MB	Method Blank		163893-016		10/27/2005	0830

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163893-016		10/27/2005	0830

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Test Method.....: 8260B — Equipment Code....: GCL19 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J280SG	164055-015		10/28/2005	1652

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL19
Batch.....: 164085
Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.975	43.328	50.000	5.000	U	76	%	39-159	
							13	R	20	
Chloromethane, Solid	ug/Kg	41.338	42.943	50.000	5.000	U	83	%	42-180	
							4	R	20	
Vinyl chloride, Solid	ug/Kg	41.624	43.296	50.000	5.000	U	83	%	60-125	
							4	R	20	
Bromomethane, Solid	ug/Kg	53.603	57.537	50.000	5.000	U	107	%	39-165	
							7	R	20	
Chloroethane, Solid	ug/Kg	45.656	50.445	50.000	5.000	U	91	%	56-145	
							10	R	20	
Trichlorofluoromethane, Solid	ug/Kg	42.855	52.874	50.000	5.000	U	86	%	57-136	
							21	R	20	*
1,1-Dichloroethene, Solid	ug/Kg	46.282	54.768	50.000	5.000	U	93	%	47-141	
							17	R	20	
Carbon disulfide, Solid	ug/Kg	41.897	49.034	50.000	5.000	U	84	%	22-118	
							16	R	20	
Acetone, Solid	ug/Kg	52.161	92.451	50.000	5.000	U	104	%	50-176	
							56	R	20	*
Methylene chloride, Solid	ug/Kg	47.207	51.780	50.000	5.000	U	94	%	67-133	
							9	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.119	51.850	50.000	5.000	U	92	%	62-138	
							12	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	47.812	52.570	50.000	5.000	U	96	%	69-155	
							9	R	20	
1,1-Dichloroethane, Solid	ug/Kg	44.915	49.790	50.000	5.000	U	90	%	65-134	
							10	R	20	
2,2-Dichloropropane, Solid	ug/Kg	37.917	50.642	50.000	5.000	U	76	%	70-134	
							29	R	20	*
cis-1,2-Dichloroethene, Solid	ug/Kg	48.005	52.578	50.000	5.000	U	96	%	65-125	
							9	R	20	
2-Butanone (MEK), Solid	ug/Kg	48.492	62.898	50.000	5.000	U	97	%	41-166	
							26	R	20	*
Bromochloromethane, Solid	ug/Kg	48.886	52.522	50.000	5.000	U	98	%	61-122	
							7	R	20	
Chloroform, Solid	ug/Kg	46.909	51.411	50.000	5.000	U	94	%	73-135	
							9	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	45.306	51.866	50.000	5.000	U	91	%	71-137	
							14	R	20	
1,1-Dichloropropene, Solid	ug/Kg	44.892	49.702	50.000	5.000	U	90	%	68-134	
							10	R	20	
Carbon tetrachloride, Solid	ug/Kg	44.857	51.848	50.000	5.000	U	90	%	67-130	
							14	R	20	
Benzene, Solid	ug/Kg	48.094	51.240	50.000	5.000	U	96	%	72-125	
							6	R	20	
1,2-Dichloroethane, Solid	ug/Kg	47.920	50.237	50.000	5.000	U	96	%	72-134	
							5	R	20	
Trichloroethene, Solid	ug/Kg	46.134	51.235	50.000	5.000	U	92	%	75-125	
							10	R	20	
1,2-Dichloropropane, Solid	ug/Kg	47.533	49.486	50.000	5.000	U	95	%	76-124	
							4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	49.595	50.660	50.000	5.000 U	99	%	75-122	
						2	R	20	
Bromodichloromethane, Solid	ug/Kg	52.298	54.854	50.000	5.000 U	105	%	82-131	
						5	R	20	
cis-1,3-Dichloropropene, Solid	ug/Kg	47.238	50.016	52.000	5.000 U	91	%	78-118	
						6	R	20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	50.387	51.815	50.000	5.000 U	101	%	57-144	
						3	R	20	
Toluene, Solid	ug/Kg	48.078	50.261	50.000	5.000 U	96	%	73-121	
						4	R	20	
trans-1,3-Dichloropropene, Solid	ug/Kg	43.649	45.808	48.000	5.000 U	91	%	77-127	
						5	R	20	
1,1,2-Trichloroethane, Solid	ug/Kg	52.720	53.152	50.000	5.000 U	105	%	79-133	
						1	R	20	
Tetrachloroethene, Solid	ug/Kg	44.534	48.954	50.000	5.000 U	89	%	65-123	
						9	R	20	
1,3-Dichloropropane, Solid	ug/Kg	50.868	50.463	50.000	5.000 U	102	%	81-123	
						1	R	20	
2-Hexanone, Solid	ug/Kg	47.968	59.294	50.000	5.000 U	96	%	57-148	
						21	R	20	*
Dibromochloromethane, Solid	ug/Kg	50.261	52.466	50.000	5.000 U	101	%	78-125	
						4	R	20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.983	50.371	50.000	5.000 U	102	%	77-123	
						1	R	20	
Chlorobenzene, Solid	ug/Kg	46.511	48.874	50.000	5.000 U	93	%	77-115	
						5	R	20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.439	51.692	50.000	5.000 U	99	%	78-126	
						4	R	20	
Ethylbenzene, Solid	ug/Kg	46.816	50.175	50.000	5.000 U	94	%	73-121	
						7	R	20	
m&p-Xylenes, Solid	ug/Kg	92.683	98.750	100.000	10.000 U	93	%	73-122	
						6	R	20	
o-Xylene, Solid	ug/Kg	46.491	49.924	50.000	5.000 U	93	%	75-120	
						7	R	20	
Styrene, Solid	ug/Kg	48.281	51.181	50.000	5.000 U	97	%	76-124	
						6	R	20	
Bromoform, Solid	ug/Kg	45.914	48.379	50.000	5.000 U	92	%	72-132	
						5	R	20	
Isopropylbenzene, Solid	ug/Kg	45.066	48.278	50.000	5.000 U	90	%	59-114	
						7	R	20	
Bromobenzene, Solid	ug/Kg	51.418	53.961	50.000	5.000 U	103	%	75-118	
						5	R	20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.066	53.963	50.000	5.000 U	106	%	73-125	
						2	R	20	
1,2,3-Trichloropropane, Solid	ug/Kg	51.763	52.644	50.000	5.000 U	104	%	75-126	
						2	R	20	
n-Propylbenzene, Solid	ug/Kg	49.180	53.190	50.000	5.000 U	98	%	66-126	
						8	R	20	
2-Chlorotoluene, Solid	ug/Kg	49.677	53.589	50.000	5.000 U	99	%	68-126	
						8	R	20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.642	51.948	50.000	5.000 U	97	%	68-125	
						7	R	20	
4-Chlorotoluene, Solid	ug/Kg	48.235	52.300	50.000	5.000 U	96	%	70-123	
						8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	45.628	51.351	50.000	5.000	U	91	%	67-124	
							12	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	46.930	51.300	50.000	5.000	U	94	%	70-126	
							9	R	20	
sec-Butylbenzene, Solid	ug/Kg	46.390	50.816	50.000	5.000	U	93	%	65-129	
							9	R	20	
p-Isopropyltoluene, Solid	ug/Kg	43.876	48.275	50.000	5.000	U	88	%	65-121	
							10	R	20	
n-Butylbenzene, Solid	ug/Kg	45.570	50.478	50.000	5.000	U	91	%	64-133	
							10	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	42.319	45.221	50.000	5.000	U	85	%	61-133	
							7	R	20	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.115	45.912	50.000	5.000	U	90	%	65-127	
							2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSG	164055-014		10/28/2005	0934

Test Method.....: 8260B — Equipment Code....: GCL19 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164085

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	43.328		50.000	5.000 U	87	%	39-159	
Chloromethane, Solid	ug/Kg	42.943		50.000	5.000 U	86	%	42-180	
Vinyl chloride, Solid	ug/Kg	43.296		50.000	5.000 U	87	%	60-125	
Bromomethane, Solid	ug/Kg	57.537		50.000	5.000 U	115	%	39-165	
Chloroethane, Solid	ug/Kg	50.445		50.000	5.000 U	101	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	52.874		50.000	5.000 U	106	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	54.768		50.000	5.000 U	110	%	47-141	
Carbon disulfide, Solid	ug/Kg	49.034		50.000	5.000 U	98	%	22-118	
Acetone, Solid	ug/Kg	92.451		50.000	5.000 U	185	%	50-176	*
Methylene chloride, Solid	ug/Kg	51.780		50.000	5.000 U	104	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	51.850		50.000	5.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	52.570		50.000	5.000 U	105	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	49.790		50.000	5.000 U	100	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	50.642		50.000	5.000 U	101	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	52.578		50.000	5.000 U	105	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	62.898		50.000	5.000 U	126	%	41-166	
Bromochloromethane, Solid	ug/Kg	52.522		50.000	5.000 U	105	%	61-122	
Chloroform, Solid	ug/Kg	51.411		50.000	5.000 U	103	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	51.866		50.000	5.000 U	104	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	49.702		50.000	5.000 U	99	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	51.848		50.000	5.000 U	104	%	67-130	
Benzene, Solid	ug/Kg	51.240		50.000	5.000 U	102	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	50.237		50.000	5.000 U	100	%	72-134	
Trichloroethene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.486		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	50.660		50.000	5.000 U	101	%	75-122	
Bromodichloromethane, Solid	ug/Kg	54.854		50.000	5.000 U	110	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	50.016		52.000	5.000 U	96	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.815		50.000	5.000 U	104	%	57-144	
Toluene, Solid	ug/Kg	50.261		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.808		48.000	5.000 U	95	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.152		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.954		50.000	5.000 U	98	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	50.463		50.000	5.000 U	101	%	81-123	
2-Hexanone, Solid	ug/Kg	59.294		50.000	5.000 U	119	%	57-148	
Dibromochloromethane, Solid	ug/Kg	52.466		50.000	5.000 U	105	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.371		50.000	5.000 U	101	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.874		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	51.692		50.000	5.000 U	103	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.175		50.000	5.000 U	100	%	73-121	
m&p-Xylenes, Solid	ug/Kg	98.750		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.924		50.000	5.000 U	100	%	75-120	
Styrene, Solid	ug/Kg	51.181		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	48.379		50.000	5.000 U	97	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.278		50.000	5.000 U	97	%	59-114	
Bromobenzene, Solid	ug/Kg	53.961		50.000	5.000 U	108	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.963		50.000	5.000 U	108	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.644		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	53.190		50.000	5.000 U	106	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	53.589		50.000	5.000 U	107	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSG	164055-014		10/28/2005	0934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	51.948		50.000	5.000 U	104	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	52.300		50.000	5.000 U	105	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	51.351		50.000	5.000 U	103	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.300		50.000	5.000 U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	50.816		50.000	5.000 U	102	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	48.275		50.000	5.000 U	97	%	65-121	
n-Butylbenzene, Solid	ug/Kg	50.478		50.000	5.000 U	101	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	45.221		50.000	5.000 U	90	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.912		50.000	5.000 U	92	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M051SPK001	163391-002		10/24/2005	1710

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.54		10.00	0.37 U	95	%	80-120	
Barium, Solid	mg/Kg	195.83		200.00	0.12 B	98	%	80-120	
Cadmium, Solid	mg/Kg	4.92		5.00	0.06 U	98	%	80-120	
Chromium, Solid	mg/Kg	20.34		20.00	0.22 B	102	%	80-120	
Lead, Solid	mg/Kg	9.54		10.00	0.25 U	95	%	80-120	
Selenium, Solid	mg/Kg	9.59		10.00	0.45 U	96	%	80-120	
Silver, Solid	mg/Kg	4.42		5.00	0.10 U	88	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163391	163391-001		10/24/2005	1705

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 163565

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.12	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.22	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241151-11		10/24/2005	1820

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.77	B			1.12	0.34	A	0.95	
Barium, Solid	mg/Kg	110.25				96.90	12.9	R	20.0	
Cadmium, Solid	mg/Kg	0.21				0.19	B 0.02	A	0.19	
Chromium, Solid	mg/Kg	4.31				4.11	0.20	A	0.95	
Lead, Solid	mg/Kg	7.02				6.82	2.9	R	20.0	
Selenium, Solid	mg/Kg	0.85	B			0.83	B 0.02	A	0.95	
Silver, Solid	mg/Kg	0.10	U			0.20	B 0.20	A	0.48	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05ISPK001	241151-11		10/24/2005	1824

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 163565

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	8.68		8.96	1.12	84	%	75-125	
Barium, Solid	mg/Kg	260.28		179.20	96.90	91	%	75-125	
Cadmium, Solid	mg/Kg	4.38		4.48	0.19	94	%	75-125	
Chromium, Solid	mg/Kg	26.05		17.92	4.11	122	%	75-125	
Lead, Solid	mg/Kg	15.49		8.96	6.82	97	%	75-125	
Selenium, Solid	mg/Kg	8.49		8.96	0.83 B	95	%	75-125	
Silver, Solid	mg/Kg	3.69		4.48	0.20 B	82	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M05ISPK001	241151-11		10/24/2005	1829

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.03	8.68	9.46	1.12		84	%	75-125	
							0.0	R	20	
Barium, Solid	mg/Kg	293.14	260.28	189.10	96.90		104	%	75-125	
							13.3	R	20	
Cadmium, Solid	mg/Kg	4.59	4.38	4.73	0.19	B	97	%	75-125	
							3.1	R	20	
Chromium, Solid	mg/Kg	26.55	26.05	18.91	4.11		119	%	75-125	
							2.5	R	20	
Lead, Solid	mg/Kg	15.83	15.49	9.46	6.82		95	%	75-125	
							2.1	R	20	
Selenium, Solid	mg/Kg	8.77	8.49	9.46	0.83	B	93	%	75-125	
							2.1	R	20	
Silver, Solid	mg/Kg	3.92	3.69	4.73	0.20	B	83	%	75-125	
							1.2	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241151-11		10/24/2005	1815

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.35	U			1.12					
Barium, Solid	mg/Kg	20.39				96.90		5.2	D	10.0	
Cadmium, Solid	mg/Kg	0.06	U			0.19	B				
Chromium, Solid	mg/Kg	0.99				4.11					
Lead, Solid	mg/Kg	1.38				6.82					
Selenium, Solid	mg/Kg	0.43	U			0.83	B				
Silver, Solid	mg/Kg	0.10	U			0.20	B				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163280 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163280-001		%	0.1000 U								10/20/2005	1525
MD	241151-11		%	81.20000			81.40000	0.2		R	5.0	10/20/2005	1531

Test Method.....: 7471A Batch.....: 163415 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163407-007		mg/Kg	0.01 U								10/21/2005	1405
LCS	163407-008	MO4LSTK010	mg/Kg	0.17		0.17	0.01 U	105		%	80-120	10/21/2005	1407
MD	241151-11		mg/Kg	0.03			0.03	0.00		A	0.02	10/21/2005	1459
MS	241151-11	MO4KSTK001	mg/Kg	0.11		0.10	0.03	80		%	75-125	10/21/2005	1501
MSD	241151-11	MO4KSTK001	mg/Kg	0.11	0.11	0.10	0.03	80		%	75-125	10/21/2005	1503
								0.0		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC BURNS
Company: HGL
Address: NORTHROP EXECUTIVE PARK
8TH USHERS RD
BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EBURNS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: GMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 241151

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 2.3

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. JACKSON
Signature: [signature]
Project Name: GW Plume Delineation
Project Number: GMA009-001
Project Location: MLA Barracks - Hoosick AAF
Date Required
Hard Copy: ____/____/____
Fax: ____/____/____
Lab PM: Linda Mackley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	RCRA Metals	VOCs 8260B	Reactivity Metals	Additional Analyses / Remarks
		MCA-GW006-15-1005	10.19.05	0835	W	G		3	40ml	HCl	X				3 Day TAT
		MCA-GW006-30-1005		0840				1	40ml	HCl					
		MCA-GW006-45-1005		0935				3	5g	Encore					
		MCA-GW007-15-1005		1035											
1		MCA-GW007-30-1005		1110											STD TAT
2		MCA-GW007-39-1005		1305											STD TAT
		MCA-GW031-45-1005		~~0835~~ 0935											TIME: 0755 3DAY TAT
3		MCA-GW009-15-1005		1345											STD TAT
4		MCA-GW009-30-1005		1430											
5		MCA-GWDUP02-1005		1443											
6		MCA-S0003-6-7-1005		1025	S	C					X	X	X	X	
7		MCA-S0005-6-7-1005		1335	S										

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	HGL	10-19-05	1845	[signature]	STL	10/20/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 20 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PARK 8th USHERS Rd. BALLSTON LAKE, NY 12819
Phone: 518-877-0310
Fax: 518-877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 2 of 3

Lab Lot# 241151

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M. JACKSON
Signature: Mill D. Jackson
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: MCA BARRACKS - INNER APF
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: LINDA MACKLEY

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree: Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	RCRA METALS	VOCs 8260B	VOCs	S VOCs 8270C	Additional Analyses / Remarks
8		MCA-SODUP02-1005	10-19-05	1117	S	C		X	X			STD TAT
9		MCA-GW009-45-1005		1545	WW	G	X					
10		TB101905		1805	W	G				X		
11		MCA-SO0017-5.7-1005		1740	S	C		X	X	X	X	
12		MCA-SOMS101-1005		1740	↓	↓		↓			↓	
13		MCA-SOMSD101-1005		1740	↓	↓		↓			↓	
14		MCA-SO016-6.7-1005		1705	↓	↓		↓			↓	
15		EB 101905	↓	1805	W	G	X					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-19-05	1845		STL	10/20/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 20 / 05
Courier: FX Hand Delivered ☐
Bill of Lading See attached

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

November 4, 2005

Mr. Eric Evans
HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

RE: Hunter AAF
Revised Analytical Report
Job # 241151

Dear Mr. Evans:

The enclosed revised analytical report is for the project and job number listed above. As requested, sample 13 was reanalyzed, with similar results. If you have any questions, please contact me at 708-534-5200.

Sincerely,

Severn Trent Laboratories

Linda S. Mackley
Project Manager

kl

Enclosures

The results presented in this report relate only to the analytical testing and conditions of sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SEVERN TRENT STL®

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University Park, IL 60466

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241151

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/03/2005

Linda S Mackley
Signature

11-3-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (86) Pages

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SAMPLE INFORMATION
Date: 11/03/2005

Job Number.: 241151
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241151-1	MCA-GW007-30-1005	Water	10/19/2005	11:00	10/20/2005	09:30
241151-2	MCA-GW007-39-1005	Water	10/19/2005	13:05	10/20/2005	09:30
241151-3	MCA-GW009-15-1005	Water	10/19/2005	13:45	10/20/2005	09:30
241151-4	MCA-GW009-30-1005	Water	10/19/2005	14:30	10/20/2005	09:30
241151-5	MCA-GWDUP102-1005	Water	10/19/2005	10:03	10/20/2005	09:30
241151-6	MCA-S0003-6-7-1005	Soil	10/19/2005	10:25	10/20/2005	09:30
241151-7	MCA-S0005-6-7-1005	Soil	10/19/2005	13:35	10/20/2005	09:30
241151-8	MCA-SODUP102-1005	Soil	10/19/2005	11:17	10/20/2005	09:30
241151-9	MCA-GW009-45-1005	Water	10/19/2005	15:00	10/20/2005	09:30
241151-10	TB101905	Water	10/19/2005	18:00	10/20/2005	09:30
241151-11	MCA-S00017-5-7-1005	Soil	10/19/2005	17:40	10/20/2005	09:30
241151-12	MCA-S0016-6-7-1005	Soil	10/19/2005	17:05	10/20/2005	09:30
241151-13	EB101905	Water	10/19/2005	18:05	10/20/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichloroethene	3.3			0.13	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon disulfide	1.0	J		0.15	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Acetone	12			1.4	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichloroethene	1.0			0.13	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	2.0	U		0.24	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloromethane	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Vinyl chloride	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromomethane	2.0	U	*	1.2	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroethane	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichlorofluoromethane	2.0	U		0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethene	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon disulfide	10	U		0.30	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Acetone	10	U		2.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methylene chloride	2.0	U	*	0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,2-Dichloroethene	5.7		*	0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methyl-tert-butyl-ether (MTBE)	2.0	U	*	0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethane	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2,2-Dichloropropane	2.0	U	*	0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,2-Dichloroethene	74			0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Butanone (MEK)	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromochloromethane	2.0	U	*	0.54	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroform	5.5		*	0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1-Trichloroethane	2.0	U		0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloropropene	2.0	U		0.76	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon tetrachloride	2.0	U		0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Benzene	2.0	U		0.46	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dichloroethane	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichloroethene	950			2.6	20	20.0000	ug/L	163960	D1	10/27/05 1432	jdn
	1,2-Dichloropropane	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromomethane	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromodichloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,3-Dichloropropene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	10	U		1.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Toluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,3-Dichloropropene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2-Trichloroethane	2.0	U		0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Tetrachloroethene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3-Dichloropropane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Hexanone	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromochloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dibromoethane (EDB)	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chlorobenzene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1,2-Tetrachloroethane	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Ethylbenzene	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	m&p-Xylenes	4.0	U		0.72	4.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	o-Xylene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Styrene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromoform	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Isopropylbenzene	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromobenzene	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2,2-Tetrachloroethane	2.0	U	*	0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichloropropane	2.0	U	*	0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Propylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Chlorotoluene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3,5-Trimethylbenzene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	4-Chlorotoluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	tert-Butylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,4-Trimethylbenzene	2.0	U		0.52	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	sec-Butylbenzene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	p-Isopropyltoluene	2.0	U		0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Butylbenzene	2.0	U		0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	2.0	U		0.82	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichlorobenzene	2.0	U		0.86	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethene	1.4			0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,2-Dichloroethene	7.5		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,2-Dichloroethene	110			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichloroethene	490			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Tetrachloroethene	5.8			0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,4-Trimethylbenzene	2.0			0.26	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethene	1.3			0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,2-Dichloroethene	3.9		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,2-Dichloroethene	130			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichloroethene	610			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Tetrachloroethene	5.1			0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,4-Trimethylbenzene	1.8			0.26	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	sec-Butylbenzene	0.40	J	a	0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.9			0.10	0.10	1	%	163280		10/20/05 1526	pfk
	% Moisture, Solid	6.1			0.10	0.10	1	%	163280		10/20/05 1526	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035	U		0.0065	0.035	1	mg/Kg	163415		10/21/05 1447	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.85	U		0.31	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Barium, Solid*	8.5			0.061	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1737	tds
	Chromium, Solid*	3.3			0.085	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Lead, Solid*	4.8			0.21	0.42	1	mg/Kg	163565		10/24/05 1737	tds
	Selenium, Solid*	0.85	U		0.38	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Silver, Solid*	0.42	U		0.085	0.42	1	mg/Kg	163565		10/24/05 1737	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloromethane, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Vinyl chloride, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromomethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichlorofluoromethane, Solid*	5.9	U	*	1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloroethene, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon disulfide, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Acetone, Solid*	5.9	U	*	5.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methylene chloride, Solid*	5.9	U		1.9	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,2-Dichloroethene, Solid*	5.9	U		0.91	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.9	U		0.70	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2,2-Dichloropropane, Solid*	5.9	U	*	1.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,2-Dichloroethene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Butanone (MEK), Solid*	5.9	U	*	2.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromochloromethane, Solid*	5.9	U		0.88	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroform, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1-Trichloroethane, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloropropene, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon tetrachloride, Solid*	5.9	U		0.86	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Benzene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloroethane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichloroethene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloropropane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromomethane, Solid*	5.9	U		0.94	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromodichloromethane, Solid*	5.9	U		0.67	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,3-Dichloropropene, Solid*	5.9	U		0.68	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Toluene, Solid*	5.9	U		2.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,3-Dichloropropene, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2-Trichloroethane, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Tetrachloroethene, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3-Dichloropropane, Solid*	5.9	U		0.72	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Hexanone, Solid*	5.9	U	*	1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromochloromethane, Solid*	5.9	U		0.77	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromoethane (EDB), Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chlorobenzene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Ethylbenzene, Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	m&p-Xylenes, Solid*	12	U		1.4	12	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Styrene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromoform, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Isopropylbenzene, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromobenzene, Solid*	5.9	U		0.58	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.9	U		0.84	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichloropropane, Solid*	5.9	U		1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Propylbenzene, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Chlorotoluene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3,5-Trimethylbenzene, Solid*	5.9	U		0.95	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Chlorotoluene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	tert-Butylbenzene, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,4-Trimethylbenzene, Solid*	5.9	U		1.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	sec-Butylbenzene, Solid*	5.9	U		0.99	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	p-Isopropyltoluene, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Butylbenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.9	U		1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichlorobenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.3			0.10	0.10	1	%	163280		10/20/05 1528	pfk
	% Moisture, Solid	3.7			0.10	0.10	1	%	163280		10/20/05 1528	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0063	0.034	1	mg/Kg	163415		10/21/05 1453	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.83	U		0.31	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Barium, Solid*	2.6			0.060	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Cadmium, Solid*	0.17	U		0.048	0.17	1	mg/Kg	163565		10/24/05 1741	tds
	Chromium, Solid*	1.3			0.083	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Lead, Solid*	1.6			0.21	0.41	1	mg/Kg	163565		10/24/05 1741	tds
	Selenium, Solid*	0.83	U		0.37	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Silver, Solid*	0.41	U		0.083	0.41	1	mg/Kg	163565		10/24/05 1741	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloromethane, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Vinyl chloride, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromomethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichlorofluoromethane, Solid*	5.7	U	*	1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloroethene, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon disulfide, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Acetone, Solid*	5.7	U	*	4.9	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methylene chloride, Solid*	5.7	U		1.8	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,2-Dichloroethene, Solid*	5.7	U		0.88	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.7	U		0.68	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2,2-Dichloropropane, Solid*	5.7	U	*	1.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,2-Dichloroethene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Butanone (MEK), Solid*	5.7	U	*	2.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromochloromethane, Solid*	5.7	U		0.86	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroform, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1-Trichloroethane, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloropropene, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon tetrachloride, Solid*	5.7	U		0.84	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Benzene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloroethane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichloroethene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloropropane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromomethane, Solid*	5.7	U		0.92	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromodichloromethane, Solid*	5.7	U		0.65	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,3-Dichloropropene, Solid*	5.7	U		0.67	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Toluene, Solid*	5.7	U		2.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,3-Dichloropropene, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2-Trichloroethane, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Tetrachloroethene, Solid*	5.7	U		1.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3-Dichloropropane, Solid*	5.7	U		0.70	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Hexanone, Solid*	5.7	U	*	1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromochloromethane, Solid*	5.7	U		0.75	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromoethane (EDB), Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chlorobenzene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Ethylbenzene, Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	m&p-Xylenes, Solid*	11	U		1.4	11	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Styrene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromoform, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Isopropylbenzene, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromobenzene, Solid*	5.7	U		0.56	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.7	U		0.82	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichloropropane, Solid*	5.7	U		1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Propylbenzene, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Chlorotoluene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3,5-Trimethylbenzene, Solid*	5.7	U		0.93	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Chlorotoluene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	tert-Butylbenzene, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,4-Trimethylbenzene, Solid*	5.7	U		0.98	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	sec-Butylbenzene, Solid*	5.7	U		0.96	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	p-Isopropyltoluene, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Butylbenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.7	U		1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichlorobenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.8			0.10	0.10	1	%	163280		10/20/05 1529	pfk
	% Moisture, Solid	4.2			0.10	0.10	1	%	163280		10/20/05 1529	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0064	0.034	1	mg/Kg	163415		10/21/05 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.84	U		0.31	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Barium, Solid*	3.4			0.061	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1746	tds
	Chromium, Solid*	1.3			0.084	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Lead, Solid*	1.5			0.21	0.42	1	mg/Kg	163565		10/24/05 1746	tds
	Selenium, Solid*	0.84	U		0.38	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Silver, Solid*	0.42	U		0.084	0.42	1	mg/Kg	163565		10/24/05 1746	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloromethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Vinyl chloride, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromomethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichlorofluoromethane, Solid*	6.1	U	*	1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon disulfide, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Acetone, Solid*	6.1	U	*	5.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methylene chloride, Solid*	6.1	U		2.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,2-Dichloroethene, Solid*	6.1	U		0.94	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	6.1	U		0.72	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2,2-Dichloropropane, Solid*	6.1	U	*	1.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,2-Dichloroethene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Butanone (MEK), Solid*	6.1	U	*	2.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromochloromethane, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroform, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1-Trichloroethane, Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloropropene, Solid*	7.3			0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon tetrachloride, Solid*	6.1	U		0.89	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Benzene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloroethane, Solid*	5.8	J	a	0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichloroethene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloropropane, Solid*	47			0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromomethane, Solid*	6.1	U		0.98	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromodichloromethane, Solid*	6.1	U		0.70	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,3-Dichloropropene, Solid*	6.1	U		0.71	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Toluene, Solid*	6.1	U		2.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2-Trichloroethane, Solid*	13			1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Tetrachloroethene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3-Dichloropropane, Solid*	6.1	U		0.74	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Hexanone, Solid*	6.1	U	*	1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromochloromethane, Solid*	6.1	U		0.79	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chlorobenzene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Ethylbenzene, Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Styrene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromoform, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Isopropylbenzene, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromobenzene, Solid*	6.1	U		0.60	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichloropropane, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Propylbenzene, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Chlorotoluene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3,5-Trimethylbenzene, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Chlorotoluene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	tert-Butylbenzene, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,4-Trimethylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	sec-Butylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	p-Isopropyltoluene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Butylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,2-Dichloroethene	13			0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichloroethene	13			0.13	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	200	U		53	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,3-Dichlorobenzene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,4-Dichlorobenzene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2-Dichlorobenzene, Low Level Soil*	200	U		59	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzyl alcohol, Low Level Soil*	400	U		180	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	200	U		43	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	200	U		52	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachloroethane, Low Level Soil*	200	U		63	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	200	U		110	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chlorophenol, Low Level Soil*	200	U		48	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Nitrobenzene, Low Level Soil*	40	U		16	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	200	U		46	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	200	U		61	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzoic acid, Low Level Soil*	2000	U		410	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Isophorone, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dimethylphenol, Low Level Soil*	400	U		69	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobutadiene, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Naphthalene, Low Level Soil*	40	U		9.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dichlorophenol, Low Level Soil*	400	U		66	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chloroaniline, Low Level Soil*	810	U		190	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	400	U		53	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	400	U		89	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylnaphthalene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitroaniline, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chloronaphthalene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	400	U		90	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,6-Dinitrotoluene, Low Level Soil*	200	U		47	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitrophenol, Low Level Soil*	400	U		110	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3-Nitroaniline, Low Level Soil*	400	U		73	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dimethyl phthalate, Low Level Soil*	200	U		19	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrophenol, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthylene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrotoluene, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthene, Low Level Soil*	40	U		7.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzofuran, Low Level Soil*	200	U		26	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitrophenol, Low Level Soil*	810	U		310	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluorene, Low Level Soil*	40	U		9.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitroaniline, Low Level Soil*	400	U		83	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobenzene, Low Level Soil*	81	U		30	81	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Diethyl phthalate, Low Level Soil*	200	U		22	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pentachlorophenol, Low Level Soil*	810	U		250	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	400	U		64	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Phenanthrene, Low Level Soil*	40	U		6.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Anthracene, Low Level Soil*	40	U		4.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Carbazole, Low Level Soil*	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-butyl phthalate, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzidine, Low Level Soil*	2000	U		2000	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluoranthene, Low Level Soil*	40	U		7.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pyrene, Low Level Soil*	40	U		9.0	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Butyl benzyl phthalate, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)anthracene, Low Level Soil*	40	U		8.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	810	U		170	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	200	U		96	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-octyl phthalate, Low Level Soil*	200	U		36	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(b)fluoranthene, Low Level Soil*	40	U		7.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(k)fluoranthene, Low Level Soil*	40	U		12	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)pyrene, Low Level Soil*	40	U		6.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	40	U		13	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	40	U		8.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(ghi)perylene, Low Level Soil*	40	U		8.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	163280		10/20/05 1530	pfk
	% Moisture, Solid	18.6			0.10	0.10	1	%	163280		10/20/05 1530	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.026	B		0.0075	0.041	1	mg/Kg	163415		10/21/05 1457	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.1			0.35	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Barium, Solid*	97			0.068	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Cadmium, Solid*	0.19	B		0.055	0.19	1	mg/Kg	163565		10/24/05 1811	tds
	Chromium, Solid*	4.1			0.095	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Lead, Solid*	6.8			0.24	0.48	1	mg/Kg	163565		10/24/05 1811	tds
	Selenium, Solid*	0.83	B		0.43	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Silver, Solid*	0.20	B		0.095	0.48	1	mg/Kg	163565		10/24/05 1811	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	360	U		94	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,3-Dichlorobenzene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,4-Dichlorobenzene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2-Dichlorobenzene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzyl alcohol, Low Level Soil*	700	U		320	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	360	U		77	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	360	U		92	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachloroethane, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	360	U		190	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chlorophenol, Low Level Soil*	360	U		85	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Nitrobenzene, Low Level Soil*	70	U		28	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	360	U		81	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzoic acid, Low Level Soil*	3600	U		730	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Isophorone, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dimethylphenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobutadiene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Naphthalene, Low Level Soil*	70	U		17	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dichlorophenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chloroaniline, Low Level Soil*	1400	U		330	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	700	U		94	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	1400	U		560	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylnaphthalene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitroaniline, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chloronaphthalene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,6-Dinitrotoluene, Low Level Soil*	360	U		83	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitrophenol, Low Level Soil*	700	U		200	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3-Nitroaniline, Low Level Soil*	700	U		130	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dimethyl phthalate, Low Level Soil*	360	U		34	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrophenol, Low Level Soil*	1400	U		570	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthylene, Low Level Soil*	140			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrotoluene, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthene, Low Level Soil*	70	U		14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzofuran, Low Level Soil*	360	U		47	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitrophenol, Low Level Soil*	1400	U		550	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluorene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitroaniline, Low Level Soil*	700	U		150	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobenzene, Low Level Soil*	140	U		53	140	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Diethyl phthalate, Low Level Soil*	360	U		38	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pentachlorophenol, Low Level Soil*	1400	U		440	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	700	U		110	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Phenanthrene, Low Level Soil*	180			11	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Anthracene, Low Level Soil*	140			7.7	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Carbazole, Low Level Soil*	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-butyl phthalate, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzidine, Low Level Soil*	3600	U		3600	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluoranthene, Low Level Soil*	590			13	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pyrene, Low Level Soil*	830			16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Butyl benzyl phthalate, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)anthracene, Low Level Soil*	500		H	16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	500			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	1400	U		300	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	360	U		170	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-octyl phthalate, Low Level Soil*	360	U		64	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(b)fluoranthene, Low Level Soil*	510			14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(k)fluoranthene, Low Level Soil*	570		M	22	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)pyrene, Low Level Soil*	1100		M	12	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	70	U		23	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	70	U		15	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(ghi)perylene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
Method	% Solids Determination											
	% Solids, Solid	91.1			0.10	0.10	1	%	163280		10/20/05 1533	pfk
	% Moisture, Solid	8.9			0.10	0.10	1	%	163280		10/20/05 1533	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.013	B		0.0067	0.036	1	mg/Kg	163415		10/21/05 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.87	U		0.32	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Barium, Solid*	11			0.063	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Cadmium, Solid*	0.051	B		0.051	0.17	1	mg/Kg	163565		10/24/05 1833	tds
	Chromium, Solid*	3.6			0.087	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Lead, Solid*	3.3			0.22	0.44	1	mg/Kg	163565		10/24/05 1833	tds
	Selenium, Solid*	0.87	U		0.39	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Silver, Solid*	0.11	B		0.087	0.44	1	mg/Kg	163565		10/24/05 1833	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Acetone	6.4			1.4	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Acetone	4.9	J		1.4	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Methylene chloride	1.9		*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methylene chloride	1.8			0.24	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	m&p-Xylenes	2.9			0.36	2.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	m&p-Xylenes	2.8			0.36	2.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241151-1 Client ID: MCA-GW007-30-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1319	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163960	163893	10/27/2005	1319	1.00000

Lab ID: 241151-2 Client ID: MCA-GW007-39-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1343	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1343	1.00000

Lab ID: 241151-3 Client ID: MCA-GW009-15-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1408	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1432	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1408	2.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1432	20.0000

Lab ID: 241151-4 Client ID: MCA-GW009-30-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1456	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1520	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1456	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1520	10.0000

Lab ID: 241151-5 Client ID: MCA-GWDUP102-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1544	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1608	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1544	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1608	10.0000

Lab ID: 241151-6 Client ID: MCA-S0003-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1526	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1200	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0558	
5035	5035 Preservation Low	2	163307		10/21/2005	0555	
5035	5035 Preservation Low	2	163307		10/21/2005	0558	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1447	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1737	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1200	1.00000

Lab ID: 241151-7 Client ID: MCA-S0005-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1528	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1136	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0600	
5035	5035 Preservation Low	1	163307		10/21/2005	0602	
5035	5035 Preservation Low	2	163307		10/21/2005	0600	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1453	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1741	

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LABORATORY CHRONICLE

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241151-7 Client ID: MCA-S0005-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1136	1.00000

Lab ID: 241151-8 Client ID: MCA-S0DUP102-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1529	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1111	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0605	
5035	5035 Preservation Low	1	163307		10/21/2005	0605	
5035	5035 Preservation Low	1	163307		10/21/2005	0607	
5035	5035 Preservation Low	2	163307		10/21/2005	0605	
5035	5035 Preservation Low	2	163307		10/21/2005	0607	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1455	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1746	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1111	1.00000

Lab ID: 241151-9 Client ID: MCA-GW009-45-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1632	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1632	1.00000

Lab ID: 241151-10 Client ID: TB101905 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1656	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1656	1.00000

Lab ID: 241151-11 Client ID: MCA-S0017-5-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1530	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1457	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1811	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/26/2005	2238	1.00000

Lab ID: 241151-12 Client ID: MCA-S0016-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1533	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1506	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1833	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1605	2.00000

Lab ID: 241151-13 Client ID: EB101905 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1721	
5030B	5030 10 mL Purge Prep	2	164556		11/03/2005	0945	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1721	1.00000
8260B	Volatile Organics	2	164560	164556	11/03/2005	0945	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 163307
Method Code...: 8260B Batch(s).....: 164085

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			10/28/2005	95	88	92	91
241151- 6		MCA-S0003-6-7-1005	10/28/2005	94	87	91	92
241151- 7		MCA-S0005-6-7-1005	10/28/2005	89	83	85	91
241151- 8		MCA-SODUP102-1005	10/28/2005	91	84	86	91

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163893
Method Code...: 8260B Batch(s).....: 163960

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/27/2005	85	95	98	97
LCS			10/27/2005	89	96	107	97
MB			10/27/2005	98	90	100	94
241151- 1		MCA-GW007-30-1005	10/27/2005	91	91	99	96
241151- 2		MCA-GW007-39-1005	10/27/2005	91	92	99	98
241151- 3		MCA-GW009-15-1005	10/27/2005	89	91	101	97
241151- 3	D1	MCA-GW009-15-1005	10/27/2005	91	90	101	97
241151- 4		MCA-GW009-30-1005	10/27/2005	89	88	109	95
241151- 4	D1	MCA-GW009-30-1005	10/27/2005	89	90	96	96
241151- 5		MCA-GWDUP102-1005	10/27/2005	92	86	106	94
241151- 5	D1	MCA-GWDUP102-1005	10/27/2005	90	89	100	97
241151- 9		MCA-GW009-45-1005	10/27/2005	90	88	102	96
241151- 10		TB101905	10/27/2005	93	91	102	97
241151- 13		EB101905	10/27/2005	93	90	102	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164055
Method Code...: 8260B Batch(s).....: 164085

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	80	78*	84	88
LCS			10/28/2005	83	82	87	90
MB			10/28/2005	87	87	88	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164055
Method Code...: 8260B Batch(s).....: 164085

Test	Test Description	Limits
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164556
Method Code...: 8260B Batch(s).....: 164560

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	92	104	110	101
MB			11/03/2005	99	97	108	101
241151- 13	R1	EB101905	11/03/2005	106	99	116*	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Semivolatile Organics Test Matrix...: Low Level Soil Prep Batch..: 163290
Method Code...: 8270 Batch(s).....: 164092

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/26/2005	87	77	86	76	83	80
MB			10/28/2005	76	71	78	73	78	81
241151- 11		MCA-S00017-5-7-1005	10/26/2005	77	64	79	69	77	69
241151- 11	MS	MCA-S00017-5-7-1005	10/26/2005	87	71	75	68	76	79
241151- 11	MSD	MCA-S00017-5-7-1005	10/26/2005	83	71	78	70	76	80
241151- 12		MCA-S0016-6-7-1005	10/28/2005	99	86	90	88	91	116

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	20 - 150
2FLUBP	2-Fluorobiphenyl (surr)	41 - 108
2FLUPH	2-Fluorophenol (surr)	35 - 118
NITRD5	Nitrobenzene-d5 (surr)	22 - 108
PHEND5	Phenol-d5 (surr)	21 - 129
TERD14	Terphenyl-d14 (surr)	37 - 137

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1629.550		1667.000	167.000 U	98	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1388.983		1667.000	167.000 U	83	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1261.034		1667.000	167.000 U	76	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1136.285		1667.000	167.000 U	68	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1262.924		1667.000	167.000 U	76	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1415.003		1667.000	330.000 U	85	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1335.777		1667.000	167.000 U	80	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1229.388		1667.000	167.000 U	74	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1322.107		1667.000	167.000 U	79	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1285.907		1667.000	167.000 U	77	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1439.356		1667.000	167.000 U	86	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1403.926		1667.000	167.000 U	84	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1309.770		1667.000	33.000 U	79	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1362.696		1667.000	167.000 U	82	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1305.254		1667.000	167.000 U	78	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1332.830	J	1667.000	1670.000 U	80	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1355.830		1667.000	167.000 U	81	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1393.503		1667.000	330.000 U	84	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1347.877		1667.000	167.000 U	81	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1270.911		1667.000	33.000 U	76	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1403.849		1667.000	330.000 U	84	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1290.187		1667.000	670.000 U	77	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1457.312		1667.000	330.000 U	87	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1511.555		1667.000	330.000 U	91	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1156.852		1667.000	670.000 U	69	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1276.741		1667.000	167.000 U	77	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1404.356		1667.000	167.000 U	84	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1323.370		1667.000	167.000 U	79	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1470.685		1667.000	330.000 U	88	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1507.452		1667.000	167.000 U	90	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1419.409		1667.000	330.000 U	85	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1442.719		1667.000	330.000 U	87	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1441.349		1667.000	167.000 U	86	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1394.829		1667.000	670.000 U	84	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1335.387		1667.000	33.000 U	80	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1381.416		1667.000	167.000 U	83	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1265.201		1667.000	33.000 U	76	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1365.380		1667.000	167.000 U	82	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1330.563		1667.000	670.000 U	80	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1311.290		1667.000	33.000 U	79	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1372.830		1667.000	330.000 U	82	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1289.567		1667.000	167.000 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1374.746		1667.000	67.000 U	82	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1453.042		1667.000	167.000 U	87	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1399.956		1667.000	167.000 U	84	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1170.815		1667.000	670.000 U	70	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1326.700		1667.000	167.000 U	80	%	63-108	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1609.557		1667.000	330.000 U	97	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1391.923		1667.000	33.000 U	84	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1283.137		1667.000	33.000 U	77	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1381.293		1667.000	167.000 U	83	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1442.292		1667.000	167.000 U	87	%	51-130	
Benzidine, Low Level Soil	ug/Kg	1271.504	J	1670.000	1670.000 U	76	%	10-100	
Fluoranthene, Low Level Soil	ug/Kg	1313.507		1667.000	33.000 U	79	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1372.540		1667.000	33.000 U	82	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1485.928		1667.000	167.000 U	89	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1335.093		1667.000	33.000 U	80	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1351.173		1667.000	33.000 U	81	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	1398.699		1667.000	670.000 U	84	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1501.892		1667.000	167.000 U	90	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1547.025		1667.000	167.000 U	93	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1601.161		1667.000	33.000 U	96	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1255.254		1667.000	33.000 U	75	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1391.686		1667.000	33.000 U	84	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1402.539		1667.000	33.000 U	84	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1425.516		1667.000	33.000 U	86	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1370.210		1667.000	33.000 U	82	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	167.000	U							
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzyl alcohol, Low Level Soil	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), Low Level S	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	167.000	U							
Hexachloroethane, Low Level Soil	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	167.000	U							
2-Chlorophenol, Low Level Soil	ug/Kg	167.000	U							
Nitrobenzene, Low Level Soil	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzoic acid, Low Level Soil	ug/Kg	1670.000	U							
Isophorone, Low Level Soil	ug/Kg	167.000	U							
2,4-Dimethylphenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorobutadiene, Low Level Soil	ug/Kg	167.000	U							
Naphthalene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dichlorophenol, Low Level Soil	ug/Kg	330.000	U							
4-Chloroaniline, Low Level Soil	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, Low Level S	ug/Kg	670.000	U							
2-Methylnaphthalene, Low Level Soil	ug/Kg	167.000	U							
2-Nitroaniline, Low Level Soil	ug/Kg	167.000	U							
2-Chloronaphthalene, Low Level Soil	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	330.000	U							
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
2-Nitrophenol, Low Level Soil	ug/Kg	330.000	U							
3-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
Dimethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
2,4-Dinitrophenol, Low Level Soil	ug/Kg	670.000	U							
Acenaphthylene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
Acenaphthene, Low Level Soil	ug/Kg	33.000	U							
Dibenzofuran, Low Level Soil	ug/Kg	167.000	U							
4-Nitrophenol, Low Level Soil	ug/Kg	670.000	U							
Fluorene, Low Level Soil	ug/Kg	33.000	U							
4-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Hexachlorobenzene, Low Level Soil	ug/Kg	67.000	U							
Diethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Pentachlorophenol, Low Level Soil	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	330.000	U							
Phenanthrene, Low Level Soil	ug/Kg	33.000	U							
Anthracene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	167.000	U							
Di-n-butyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzidine, Low Level Soil	ug/Kg	1670.000	U							
Fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Pyrene, Low Level Soil	ug/Kg	33.000	U							
Butyl benzyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(a)anthracene, Low Level Soil	ug/Kg	33.000	U							
Chrysene, Low Level Soil	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	670.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	167.000	U							
Di-n-octyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(a)pyrene, Low Level Soil	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	33.000	U							
Benzo(ghi)perylene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1776.785		2027.000	203.108 U	88	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1400.582		2027.000	203.108 U	69	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1308.347		2027.000	203.108 U	65	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1330.524		2027.000	203.108 U	66	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1362.654		2027.000	203.108 U	67	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1595.294		2027.000	401.351 U	79	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1538.189		2027.000	203.108 U	76	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1313.723		2027.000	203.108 U	65	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1448.167		2027.000	203.108 U	71	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1310.743		2027.000	203.108 U	65	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1662.149		2027.000	203.108 U	82	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1555.315		2027.000	203.108 U	77	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1428.687		2027.000	40.135 U	70	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1510.596		2027.000	203.108 U	75	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1446.153		2027.000	203.108 U	71	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1548.183	J	2027.000	2031.081 U	76	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1517.439		2027.000	203.108 U	75	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1651.596		2027.000	401.351 U	81	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1449.112		2027.000	203.108 U	71	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1393.722		2027.000	40.135 U	69	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1633.887		2027.000	401.351 U	81	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1302.586		2027.000	814.865 U	64	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1706.641		2027.000	401.351 U	84	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1631.548		2027.000	401.351 U	80	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1165.315		2027.000	814.865 U	57	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1438.830		2027.000	203.108 U	71	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1620.037		2027.000	203.108 U	80	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1504.453		2027.000	203.108 U	74	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1737.162		2027.000	401.351 U	86	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1726.163		2027.000	203.108 U	85	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1568.560		2027.000	401.351 U	77	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1517.468		2027.000	401.351 U	75	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1675.898		2027.000	203.108 U	83	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1668.888		2027.000	814.865 U	82	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1519.203		2027.000	40.135 U	75	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1592.549		2027.000	203.108 U	79	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1459.426		2027.000	40.135 U	72	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1583.707		2027.000	203.108 U	78	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1600.998		2027.000	814.865 U	79	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1530.218		2027.000	40.135 U	75	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1354.586		2027.000	401.351 U	67	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1569.772		2027.000	203.108 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1552.959		2027.000	81.486 U	77	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1695.224		2027.000	203.108 U	84	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1660.556		2027.000	203.108 U	82	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1365.346		2027.000	814.865 U	67	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1192.743		2027.000	203.108 U	59	%	63-108	*
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1451.711		2027.000	401.351 U	72	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1605.827		2027.000	40.135 U	79	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1461.680		2027.000	40.135 U	72	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1481.887		2027.000	203.108 U	73	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1585.633		2027.000	203.108 U	78	%	51-130	
Benzidine, Low Level Soil	ug/Kg	2031.081	U	2031.000	2031.081 U	0	%	10-100	*
Fluoranthene, Low Level Soil	ug/Kg	1506.339		2027.000	40.135 U	74	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1609.553		2027.000	40.135 U	79	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1719.283		2027.000	203.108 U	85	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1567.429		2027.000	40.135 U	77	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1552.813		2027.000	40.135 U	77	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	810.876	J	2027.000	814.865 U	40	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1730.282		2027.000	48.846 J	85	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1672.991		2027.000	203.108 U	83	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1852.608		2027.000	40.135 U	91	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1400.667		2027.000	40.135 U	69	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1540.403		2027.000	40.135 U	76	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1380.716		2027.000	40.135 U	68	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1422.021		2027.000	40.135 U	70	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1264.593		2027.000	40.135 U	62	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWL8LKB	241151-11		10/26/2005	2318

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164092

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1812.244	1776.785		2047.000	205.160	U	89	%	34-119	
								1	R	20	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1426.595	1400.582		2047.000	205.160	U	70	%	42-101	
								1	R	20	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1298.633	1308.347		2047.000	205.160	U	63	%	48-100	
								3	R	20	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1350.643	1330.524		2047.000	205.160	U	66	%	50-100	
								0	R	20	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1350.099	1362.654		2047.000	205.160	U	66	%	49-104	
								2	R	20	
Benzyl alcohol, Low Level Soil	ug/Kg	1594.198	1595.294		2047.000	405.405	U	78	%	14-150	
								1	R	20	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1554.939	1538.189		2047.000	205.160	U	76	%	36-110	
								0	R	20	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1328.252	1313.723		2047.000	205.160	U	65	%	48-100	
								0	R	20	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1476.604	1448.167		2047.000	205.160	U	72	%	49-138	
								1	R	20	
Hexachloroethane, Low Level Soil	ug/Kg	1295.423	1310.743		2047.000	205.160	U	63	%	46-100	
								3	R	20	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1679.050	1662.149		2047.000	205.160	U	82	%	33-114	
								0	R	20	
2-Chlorophenol, Low Level Soil	ug/Kg	1572.569	1555.315		2047.000	205.160	U	77	%	52-103	
								0	R	20	
Nitrobenzene, Low Level Soil	ug/Kg	1504.468	1428.687		2047.000	40.541	U	74	%	50-100	
								6	R	20	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1580.301	1510.596		2047.000	205.160	U	77	%	55-116	
								3	R	20	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1491.602	1446.153		2047.000	205.160	U	73	%	53-107	
								3	R	20	
Benzoic acid, Low Level Soil	ug/Kg	2409.748	1548.183	J	2047.000	2051.597	U	118	%	40-143	
								43	R	20	*
Isophorone, Low Level Soil	ug/Kg	1608.697	1517.439		2047.000	205.160	U	79	%	52-116	
								5	R	20	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1710.397	1651.596		2047.000	405.405	U	84	%	11-115	
								4	R	20	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1505.606	1449.112		2047.000	205.160	U	74	%	52-118	
								4	R	20	
Naphthalene, Low Level Soil	ug/Kg	1473.788	1393.722		2047.000	40.541	U	72	%	49-100	
								4	R	20	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1712.673	1633.887		2047.000	405.405	U	84	%	58-103	
								4	R	20	
4-Chloroaniline, Low Level Soil	ug/Kg	1421.466	1302.586		2047.000	823.096	U	69	%	15-114	
								8	R	20	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1822.481	1706.641		2047.000	405.405	U	89	%	57-105	
								6	R	20	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1691.317	1631.548		2047.000	405.405	U	83	%	62-118	
								4	R	20	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1037.918	1165.315		2047.000	823.096	U	51	%	32-100	
								11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
2-Methylnaphthalene, Low Level Soil	ug/Kg	1504.042	1438.830	2047.000	205.160	U	73	%	30-115	
							3	R	20	
2-Nitroaniline, Low Level Soil	ug/Kg	1654.817	1620.037	2047.000	205.160	U	81	%	55-106	
							1	R	20	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1522.826	1504.453	2047.000	205.160	U	74	%	59-114	
							0	R	20	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1794.654	1737.162	2047.000	405.405	U	88	%	56-110	
							2	R	20	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1760.332	1726.163	2047.000	205.160	U	86	%	62-111	
							1	R	20	
2-Nitrophenol, Low Level Soil	ug/Kg	1674.858	1568.560	2047.000	405.405	U	82	%	53-102	
							6	R	20	
3-Nitroaniline, Low Level Soil	ug/Kg	1582.475	1517.468	2047.000	405.405	U	77	%	28-100	
							3	R	20	
Dimethyl phthalate, Low Level Soil	ug/Kg	1711.338	1675.898	2047.000	205.160	U	84	%	63-105	
							1	R	20	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1460.607	1668.888	2047.000	823.096	U	71	%	44-139	
							14	R	20	
Acenaphthylene, Low Level Soil	ug/Kg	1542.495	1519.203	2047.000	40.541	U	75	%	50-103	
							0	R	20	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1634.935	1592.549	2047.000	205.160	U	80	%	61-113	
							1	R	20	
Acenaphthene, Low Level Soil	ug/Kg	1490.227	1459.426	2047.000	40.541	U	73	%	51-100	
							1	R	20	
Dibenzofuran, Low Level Soil	ug/Kg	1604.542	1583.707	2047.000	205.160	U	78	%	49-103	
							0	R	20	
4-Nitrophenol, Low Level Soil	ug/Kg	1578.541	1600.998	2047.000	823.096	U	77	%	45-129	
							3	R	20	
Fluorene, Low Level Soil	ug/Kg	1547.820	1530.218	2047.000	40.541	U	76	%	51-109	
							1	R	20	
4-Nitroaniline, Low Level Soil	ug/Kg	1375.842	1354.586	2047.000	405.405	U	67	%	32-111	
							0	R	20	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1627.146	1569.772	2047.000	205.160	U	80	%	62-108	
							4	R	20	
Hexachlorobenzene, Low Level Soil	ug/Kg	1710.274	1552.959	2047.000	82.310	U	84	%	62-105	
							9	R	20	
Diethyl phthalate, Low Level Soil	ug/Kg	1529.232	1695.224	2047.000	205.160	U	75	%	62-110	
							11	R	20	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1587.297	1660.556	2047.000	205.160	U	78	%	62-106	
							5	R	20	
Pentachlorophenol, Low Level Soil	ug/Kg	1738.584	1365.346	2047.000	823.096	U	85	%	43-122	
							24	R	20	*
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1470.239	1192.743	2047.000	205.160	U	72	%	63-108	
							20	R	20	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1586.515	1451.711	2047.000	405.405	U	78	%	67-130	
							8	R	20	
Phenanthrene, Low Level Soil	ug/Kg	1508.655	1605.827	2047.000	40.541	U	74	%	50-110	
							7	R	20	
Anthracene, Low Level Soil	ug/Kg	1583.588	1461.680	2047.000	40.541	U	77	%	51-110	
							7	R	20	
Carbazole, Low Level Soil	ug/Kg	1632.987	1481.887	2047.000	205.160	U	80	%	49-131	
							9	R	20	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1827.291	1585.633	2047.000	205.160	U	89	%	51-130	
							13	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Benzidine, Low Level Soil	ug/Kg	2051.597	U	2051.597	U	2052.000	2051.597	U	0	%	10-100	*
									0	R	20	
Fluoranthene, Low Level Soil	ug/Kg	1679.451		1506.339		2047.000	40.541	U	82	%	55-122	
									10	R	20	
Pyrene, Low Level Soil	ug/Kg	1637.580		1609.553		2047.000	40.541	U	80	%	41-121	
									1	R	20	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1717.867		1719.283		2047.000	205.160	U	84	%	56-113	
									1	R	20	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1573.302		1567.429		2047.000	40.541	U	77	%	49-119	
									0	R	20	
Chrysene, Low Level Soil	ug/Kg	1589.417		1552.813		2047.000	40.541	U	78	%	39-124	
									1	R	20	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	905.825		810.876	J	2047.000	823.096	U	44	%	22-106	
									10	R	20	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1798.199		1730.282		2047.000	48.846	J	88	%	49-144	
									3	R	20	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1818.863		1672.991		2047.000	205.160	U	89	%	45-130	
									7	R	20	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1743.144		1852.608		2047.000	40.541	U	85	%	44-132	
									7	R	20	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1665.451		1400.667		2047.000	40.541	U	81	%	43-141	
									16	R	20	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1575.606		1540.403		2047.000	40.541	U	77	%	45-129	
									1	R	20	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1470.366		1380.716		2047.000	40.541	U	72	%	36-138	
									6	R	20	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1512.294		1422.021		2047.000	40.541	U	74	%	30-144	
									6	R	20	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1369.411		1264.593		2047.000	40.541	U	67	%	41-129	
									8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163960

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.192	12.075	25.000	1.000 U	49	%	24-171	
						1	R	20	
Chloromethane	ug/L	20.912	22.378	25.000	1.000 U	84	%	31-182	
						7	R	20	
Vinyl chloride	ug/L	22.414	23.798	25.000	1.000 U	90	%	50-145	
						6	R	20	
Bromomethane	ug/L	24.447	32.127	25.000	1.000 U	98	%	31-188	
						27	R	20	*
Chloroethane	ug/L	30.409	31.840	25.000	1.000 U	122	%	58-148	
						5	R	20	
Trichlorofluoromethane	ug/L	25.693	28.278	25.000	1.000 U	103	%	54-142	
						10	R	20	
1,1-Dichloroethene	ug/L	25.991	30.158	25.000	1.000 U	104	%	51-136	
						15	R	20	
Carbon disulfide	ug/L	21.021	24.189	25.000	5.000 U	84	%	21-111	
						14	R	20	
Acetone	ug/L	34.584	32.209	25.000	5.000 U	138	%	14-177	
						7	R	20	
Methylene chloride	ug/L	23.536	29.179	25.000	1.000 U	94	%	64-127	
						21	R	20	*
trans-1,2-Dichloroethene	ug/L	26.025	32.090	25.000	1.000 U	104	%	62-138	
						21	R	20	*
Methyl-tert-butyl-ether (MTBE)	ug/L	21.019	27.485	25.000	1.000 U	84	%	55-142	
						27	R	20	*
1,1-Dichloroethane	ug/L	24.316	29.512	25.000	1.000 U	97	%	70-124	
						19	R	20	
2,2-Dichloropropane	ug/L	22.145	27.750	25.000	1.000 U	89	%	68-127	
						22	R	20	*
cis-1,2-Dichloroethene	ug/L	25.655	30.053	25.000	1.000 U	103	%	70-125	
						16	R	20	
2-Butanone (MEK)	ug/L	22.269	25.255	25.000	5.000 U	89	%	29-139	
						13	R	20	
Bromochloromethane	ug/L	20.850	25.928	25.000	1.000 U	83	%	57-116	
						22	R	20	*
Chloroform	ug/L	25.360	30.832	25.000	1.000 U	101	%	75-122	
						19	R	20	
1,1,1-Trichloroethane	ug/L	26.006	30.993	25.000	1.000 U	104	%	70-127	
						18	R	20	
1,1-Dichloropropene	ug/L	25.204	29.057	25.000	1.000 U	101	%	70-125	
						14	R	20	
Carbon tetrachloride	ug/L	25.351	28.446	25.000	1.000 U	101	%	64-132	
						12	R	20	
Benzene	ug/L	23.798	26.972	25.000	1.000 U	95	%	75-122	
						13	R	20	
1,2-Dichloroethane	ug/L	21.308	24.745	25.000	1.000 U	85	%	67-120	
						15	R	20	
Trichloroethene	ug/L	25.061	27.356	25.000	1.000 U	100	%	70-125	
						9	R	20	
1,2-Dichloropropane	ug/L	22.011	25.758	25.000	1.000 U	88	%	76-116	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005 1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	17.620	21.145	25.000	1.000 U	70	%	68-116	
						18	R	20	
Bromodichloromethane	ug/L	23.229	28.173	25.000	1.000 U	93	%	75-125	
						19	R	20	
cis-1,3-Dichloropropene	ug/L	19.797	24.255	26.000	1.000 U	76	%	72-115	
						20	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	19.091	23.138	25.000	5.000 U	76	%	39-137	
						19	R	20	
Toluene	ug/L	23.937	27.145	25.000	1.000 U	96	%	77-120	
						13	R	20	
trans-1,3-Dichloropropene	ug/L	17.280	21.034	24.000	1.000 U	72	%	68-119	
						20	R	20	
1,1,2-Trichloroethane	ug/L	22.806	27.938	25.000	1.000 U	91	%	63-127	
						20	R	20	
Tetrachloroethene	ug/L	25.395	26.977	25.000	1.000 U	102	%	45-150	
						6	R	20	
1,3-Dichloropropane	ug/L	22.405	25.928	25.000	1.000 U	90	%	72-118	
						15	R	20	
2-Hexanone	ug/L	22.412	26.132	25.000	5.000 U	90	%	36-144	
						15	R	20	
Dibromochloromethane	ug/L	22.436	26.727	25.000	1.000 U	90	%	73-116	
						17	R	20	
1,2-Dibromoethane (EDB)	ug/L	20.330	24.607	25.000	1.000 U	81	%	62-123	
						19	R	20	
Chlorobenzene	ug/L	23.086	25.971	25.000	1.000 U	92	%	76-116	
						12	R	20	
1,1,1,2-Tetrachloroethane	ug/L	23.560	26.751	25.000	1.000 U	94	%	77-120	
						13	R	20	
Ethylbenzene	ug/L	26.225	28.773	25.000	1.000 U	105	%	75-125	
						9	R	20	
m&p-Xylenes	ug/L	50.310	54.885	50.000	2.000 U	101	%	75-123	
						9	R	20	
o-Xylene	ug/L	24.928	27.526	25.000	1.000 U	100	%	76-121	
						10	R	20	
Styrene	ug/L	24.855	27.396	25.000	1.000 U	99	%	77-128	
						10	R	20	
Bromoform	ug/L	20.799	25.400	25.000	1.000 U	83	%	65-115	
						20	R	20	
Isopropylbenzene	ug/L	25.218	27.000	25.000	1.000 U	101	%	64-119	
						7	R	20	
Bromobenzene	ug/L	24.704	27.967	25.000	1.000 U	99	%	76-118	
						12	R	20	
1,1,2,2-Tetrachloroethane	ug/L	21.041	26.813	25.000	1.000 U	84	%	61-122	
						24	R	20	*
1,2,3-Trichloropropane	ug/L	21.791	26.879	25.000	1.000 U	87	%	62-124	
						21	R	20	*
n-Propylbenzene	ug/L	27.768	29.599	25.000	1.000 U	111	%	69-132	
						6	R	20	
2-Chlorotoluene	ug/L	26.129	28.650	25.000	1.000 U	105	%	70-127	
						9	R	20	
1,3,5-Trimethylbenzene	ug/L	27.513	29.849	25.000	1.000 U	110	%	70-132	
						8	R	20	
4-Chlorotoluene	ug/L	25.464	27.614	25.000	1.000 U	102	%	70-126	
						8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.051	29.882	25.000	1.000	U	112	%	70-133	
							6	R	20	
1,2,4-Trimethylbenzene	ug/L	26.552	28.650	25.000	1.000	U	106	%	71-131	
							8	R	20	
sec-Butylbenzene	ug/L	28.425	29.721	25.000	1.000	U	114	%	70-134	
							4	R	20	
p-Isopropyltoluene	ug/L	25.718	26.755	25.000	1.000	U	103	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	27.486	28.486	25.000	1.000	U	110	%	64-142	
							4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	19.956	23.516	25.000	1.000	U	80	%	57-119	
							16	R	20	
1,2,3-Trichlorobenzene	ug/L	22.525	24.626	25.000	1.000	U	90	%	66-124	
							9	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: Z41151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J270SA	163893-017		10/27/2005	0854

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163960

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.075		25.000	1.000 U	48	%	24-171	
Chloromethane	ug/L	22.378		25.000	1.000 U	90	%	31-182	
Vinyl chloride	ug/L	23.798		25.000	1.000 U	95	%	50-145	
Bromomethane	ug/L	32.127		25.000	1.000 U	129	%	31-188	
Chloroethane	ug/L	31.840		25.000	1.000 U	127	%	58-148	
Trichlorofluoromethane	ug/L	28.278		25.000	1.000 U	113	%	54-142	
1,1-Dichloroethene	ug/L	30.158		25.000	1.000 U	121	%	51-136	
Carbon disulfide	ug/L	24.189		25.000	5.000 U	97	%	21-111	
Acetone	ug/L	32.209		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	29.179		25.000	1.000 U	117	%	64-127	
trans-1,2-Dichloroethene	ug/L	32.090		25.000	1.000 U	128	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.485		25.000	1.000 U	110	%	55-142	
1,1-Dichloroethane	ug/L	29.512		25.000	1.000 U	118	%	70-124	
2,2-Dichloropropane	ug/L	27.750		25.000	1.000 U	111	%	68-127	
cis-1,2-Dichloroethene	ug/L	30.053		25.000	1.000 U	120	%	70-125	
2-Butanone (MEK)	ug/L	25.255		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	25.928		25.000	1.000 U	104	%	57-116	
Chloroform	ug/L	30.832		25.000	1.000 U	123	%	75-122	*
1,1,1-Trichloroethane	ug/L	30.993		25.000	1.000 U	124	%	70-127	
1,1-Dichloropropene	ug/L	29.057		25.000	1.000 U	116	%	70-125	
Carbon tetrachloride	ug/L	28.446		25.000	1.000 U	114	%	64-132	
Benzene	ug/L	26.972		25.000	1.000 U	108	%	75-122	
1,2-Dichloroethane	ug/L	24.745		25.000	1.000 U	99	%	67-120	
Trichloroethene	ug/L	27.356		25.000	1.000 U	109	%	70-125	
1,2-Dichloropropane	ug/L	25.758		25.000	1.000 U	103	%	76-116	
Dibromomethane	ug/L	21.145		25.000	1.000 U	85	%	68-116	
Bromodichloromethane	ug/L	28.173		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.255		26.000	1.000 U	93	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.138		25.000	5.000 U	93	%	39-137	
Toluene	ug/L	27.145		25.000	1.000 U	109	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.034		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.938		25.000	1.000 U	112	%	63-127	
Tetrachloroethene	ug/L	26.977		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.928		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	26.132		25.000	5.000 U	105	%	36-144	
Dibromochloromethane	ug/L	26.727		25.000	1.000 U	107	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.607		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	25.971		25.000	1.000 U	104	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.751		25.000	1.000 U	107	%	77-120	
Ethylbenzene	ug/L	28.773		25.000	1.000 U	115	%	75-125	
m&p-Xylenes	ug/L	54.885		50.000	2.000 U	110	%	75-123	
o-Xylene	ug/L	27.526		25.000	1.000 U	110	%	76-121	
Styrene	ug/L	27.396		25.000	1.000 U	110	%	77-128	
Bromoform	ug/L	25.400		25.000	1.000 U	102	%	65-115	
Isopropylbenzene	ug/L	27.000		25.000	1.000 U	108	%	64-119	
Bromobenzene	ug/L	27.967		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	26.813		25.000	1.000 U	107	%	61-122	
1,2,3-Trichloropropane	ug/L	26.879		25.000	1.000 U	108	%	62-124	
n-Propylbenzene	ug/L	29.599		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.650		25.000	1.000 U	115	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163893-017		10/27/2005	0854

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.849		25.000	1.000 U	119	%	70-132	
4-Chlorotoluene	ug/L	27.614		25.000	1.000 U	110	%	70-126	
tert-Butylbenzene	ug/L	29.882		25.000	1.000 U	120	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.650		25.000	1.000 U	115	%	71-131	
sec-Butylbenzene	ug/L	29.721		25.000	1.000 U	119	%	70-134	
p-Isopropyltoluene	ug/L	26.755		25.000	1.000 U	107	%	66-130	
n-Butylbenzene	ug/L	28.486		25.000	1.000 U	114	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.516		25.000	1.000 U	94	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.626		25.000	1.000 U	99	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163893-016		10/27/2005	0830

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163960

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163893-016		10/27/2005	0830

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000 U							
4-Chlorotoluene, Solid	ug/Kg	5.000 U							
tert-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000 U							
sec-Butylbenzene, Solid	ug/Kg	5.000 U							
p-Isopropyltoluene, Solid	ug/Kg	5.000 U							
n-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000 U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL19
Batch.....: 164085
Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.975	43.328	50.000	5.000 U	76	%	39-159	
						13	R	20	
Chloromethane, Solid	ug/Kg	41.338	42.943	50.000	5.000 U	83	%	42-180	
						4	R	20	
Vinyl chloride, Solid	ug/Kg	41.624	43.296	50.000	5.000 U	83	%	60-125	
						4	R	20	
Bromomethane, Solid	ug/Kg	53.603	57.537	50.000	5.000 U	107	%	39-165	
						7	R	20	
Chloroethane, Solid	ug/Kg	45.656	50.445	50.000	5.000 U	91	%	56-145	
						10	R	20	
Trichlorofluoromethane, Solid	ug/Kg	42.855	52.874	50.000	5.000 U	86	%	57-136	
						21	R	20	*
1,1-Dichloroethene, Solid	ug/Kg	46.282	54.768	50.000	5.000 U	93	%	47-141	
						17	R	20	
Carbon disulfide, Solid	ug/Kg	41.897	49.034	50.000	5.000 U	84	%	22-118	
						16	R	20	
Acetone, Solid	ug/Kg	52.161	92.451	50.000	5.000 U	104	%	50-176	
						56	R	20	*
Methylene chloride, Solid	ug/Kg	47.207	51.780	50.000	5.000 U	94	%	67-133	
						9	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.119	51.850	50.000	5.000 U	92	%	62-138	
						12	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	47.812	52.570	50.000	5.000 U	96	%	69-155	
						9	R	20	
1,1-Dichloroethane, Solid	ug/Kg	44.915	49.790	50.000	5.000 U	90	%	65-134	
						10	R	20	
2,2-Dichloropropane, Solid	ug/Kg	37.917	50.642	50.000	5.000 U	76	%	70-134	
						29	R	20	*
cis-1,2-Dichloroethene, Solid	ug/Kg	48.005	52.578	50.000	5.000 U	96	%	65-125	
						9	R	20	
2-Butanone (MEK), Solid	ug/Kg	48.492	62.898	50.000	5.000 U	97	%	41-166	
						26	R	20	*
Bromochloromethane, Solid	ug/Kg	48.886	52.522	50.000	5.000 U	98	%	61-122	
						7	R	20	
Chloroform, Solid	ug/Kg	46.909	51.411	50.000	5.000 U	94	%	73-135	
						9	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	45.306	51.866	50.000	5.000 U	91	%	71-137	
						14	R	20	
1,1-Dichloropropene, Solid	ug/Kg	44.892	49.702	50.000	5.000 U	90	%	68-134	
						10	R	20	
Carbon tetrachloride, Solid	ug/Kg	44.857	51.848	50.000	5.000 U	90	%	67-130	
						14	R	20	
Benzene, Solid	ug/Kg	48.094	51.240	50.000	5.000 U	96	%	72-125	
						6	R	20	
1,2-Dichloroethane, Solid	ug/Kg	47.920	50.237	50.000	5.000 U	96	%	72-134	
						5	R	20	
Trichloroethene, Solid	ug/Kg	46.134	51.235	50.000	5.000 U	92	%	75-125	
						10	R	20	
1,2-Dichloropropane, Solid	ug/Kg	47.533	49.486	50.000	5.000 U	95	%	76-124	
						4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	49.595	50.660	50.000	5.000 U	99 2	% R	75-122 20	
Bromodichloromethane, Solid	ug/Kg	52.298	54.854	50.000	5.000 U	105 5	% R	82-131 20	
cis-1,3-Dichloropropene, Solid	ug/Kg	47.238	50.016	52.000	5.000 U	91 6	% R	78-118 20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	50.387	51.815	50.000	5.000 U	101 3	% R	57-144 20	
Toluene, Solid	ug/Kg	48.078	50.261	50.000	5.000 U	96 4	% R	73-121 20	
trans-1,3-Dichloropropene, Solid	ug/Kg	43.649	45.808	48.000	5.000 U	91 5	% R	77-127 20	
1,1,2-Trichloroethane, Solid	ug/Kg	52.720	53.152	50.000	5.000 U	105 1	% R	79-133 20	
Tetrachloroethene, Solid	ug/Kg	44.534	48.954	50.000	5.000 U	89 9	% R	65-123 20	
1,3-Dichloropropane, Solid	ug/Kg	50.868	50.463	50.000	5.000 U	102 1	% R	81-123 20	
2-Hexanone, Solid	ug/Kg	47.968	59.294	50.000	5.000 U	96 21	% R	57-148 20	*
Dibromochloromethane, Solid	ug/Kg	50.261	52.466	50.000	5.000 U	101 4	% R	78-125 20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.983	50.371	50.000	5.000 U	102 1	% R	77-123 20	
Chlorobenzene, Solid	ug/Kg	46.511	48.874	50.000	5.000 U	93 5	% R	77-115 20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.439	51.692	50.000	5.000 U	99 4	% R	78-126 20	
Ethylbenzene, Solid	ug/Kg	46.816	50.175	50.000	5.000 U	94 7	% R	73-121 20	
m&p-Xylenes, Solid	ug/Kg	92.683	98.750	100.000	10.000 U	93 6	% R	73-122 20	
o-Xylene, Solid	ug/Kg	46.491	49.924	50.000	5.000 U	93 7	% R	75-120 20	
Styrene, Solid	ug/Kg	48.281	51.181	50.000	5.000 U	97 6	% R	76-124 20	
Bromoform, Solid	ug/Kg	45.914	48.379	50.000	5.000 U	92 5	% R	72-132 20	
Isopropylbenzene, Solid	ug/Kg	45.066	48.278	50.000	5.000 U	90 7	% R	59-114 20	
Bromobenzene, Solid	ug/Kg	51.418	53.961	50.000	5.000 U	103 5	% R	75-118 20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.066	53.963	50.000	5.000 U	106 2	% R	73-125 20	
1,2,3-Trichloropropane, Solid	ug/Kg	51.763	52.644	50.000	5.000 U	104 2	% R	75-126 20	
n-Propylbenzene, Solid	ug/Kg	49.180	53.190	50.000	5.000 U	98 8	% R	66-126 20	
2-Chlorotoluene, Solid	ug/Kg	49.677	53.589	50.000	5.000 U	99 8	% R	68-126 20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.642	51.948	50.000	5.000 U	97 7	% R	68-125 20	
4-Chlorotoluene, Solid	ug/Kg	48.235	52.300	50.000	5.000 U	96 8	% R	70-123 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28D5G	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	45.628	51.351	50.000	5.000 U	91	%	67-124	
						12	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	46.930	51.300	50.000	5.000 U	94	%	70-126	
						9	R	20	
sec-Butylbenzene, Solid	ug/Kg	46.390	50.816	50.000	5.000 U	93	%	65-129	
						9	R	20	
p-Isopropyltoluene, Solid	ug/Kg	43.876	48.275	50.000	5.000 U	88	%	65-121	
						10	R	20	
n-Butylbenzene, Solid	ug/Kg	45.570	50.478	50.000	5.000 U	91	%	64-133	
						10	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	42.319	45.221	50.000	5.000 U	85	%	61-133	
						7	R	20	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.115	45.912	50.000	5.000 U	90	%	65-127	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J280SG	164055-014		10/28/2005	0934

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	43.328		50.000	5.000 U	87	%	39-159	
Chloromethane, Solid	ug/Kg	42.943		50.000	5.000 U	86	%	42-180	
Vinyl chloride, Solid	ug/Kg	43.296		50.000	5.000 U	87	%	60-125	
Bromomethane, Solid	ug/Kg	57.537		50.000	5.000 U	115	%	39-165	
Chloroethane, Solid	ug/Kg	50.445		50.000	5.000 U	101	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	52.874		50.000	5.000 U	106	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	54.768		50.000	5.000 U	110	%	47-141	
Carbon disulfide, Solid	ug/Kg	49.034		50.000	5.000 U	98	%	22-118	
Acetone, Solid	ug/Kg	92.451		50.000	5.000 U	185	%	50-176	*
Methylene chloride, Solid	ug/Kg	51.780		50.000	5.000 U	104	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	51.850		50.000	5.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	52.570		50.000	5.000 U	105	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	49.790		50.000	5.000 U	100	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	50.642		50.000	5.000 U	101	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	52.578		50.000	5.000 U	105	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	62.898		50.000	5.000 U	126	%	41-166	
Bromochloromethane, Solid	ug/Kg	52.522		50.000	5.000 U	105	%	61-122	
Chloroform, Solid	ug/Kg	51.411		50.000	5.000 U	103	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	51.866		50.000	5.000 U	104	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	49.702		50.000	5.000 U	99	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	51.848		50.000	5.000 U	104	%	67-130	
Benzene, Solid	ug/Kg	51.240		50.000	5.000 U	102	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	50.237		50.000	5.000 U	100	%	72-134	
Trichloroethene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.486		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	50.660		50.000	5.000 U	101	%	75-122	
Bromodichloromethane, Solid	ug/Kg	54.854		50.000	5.000 U	110	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	50.016		52.000	5.000 U	96	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.815		50.000	5.000 U	104	%	57-144	
Toluene, Solid	ug/Kg	50.261		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.808		48.000	5.000 U	95	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.152		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.954		50.000	5.000 U	98	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	50.463		50.000	5.000 U	101	%	81-123	
2-Hexanone, Solid	ug/Kg	59.294		50.000	5.000 U	119	%	57-148	
Dibromochloromethane, Solid	ug/Kg	52.466		50.000	5.000 U	105	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.371		50.000	5.000 U	101	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.874		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	51.692		50.000	5.000 U	103	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.175		50.000	5.000 U	100	%	73-121	
m&p-Xylenes, Solid	ug/Kg	98.750		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.924		50.000	5.000 U	100	%	75-120	
Styrene, Solid	ug/Kg	51.181		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	48.379		50.000	5.000 U	97	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.278		50.000	5.000 U	97	%	59-114	
Bromobenzene, Solid	ug/Kg	53.961		50.000	5.000 U	108	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.963		50.000	5.000 U	108	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.644		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	53.190		50.000	5.000 U	106	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	53.589		50.000	5.000 U	107	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSG	164055-014		10/28/2005	0934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	51.948		50.000	5.000	U	104	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	52.300		50.000	5.000	U	105	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	51.351		50.000	5.000	U	103	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.300		50.000	5.000	U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	50.816		50.000	5.000	U	102	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	48.275		50.000	5.000	U	97	%	65-121	
n-Butylbenzene, Solid	ug/Kg	50.478		50.000	5.000	U	101	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	45.221		50.000	5.000	U	90	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.912		50.000	5.000	U	92	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

LCS	Laboratory Control Sample	V05K030SA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.596		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	23.139		25.000	1.000 U	93	%	31-182	
Vinyl chloride	ug/L	23.593		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	36.069		25.000	1.000 U	144	%	31-188	
Chloroethane	ug/L	24.925		25.000	1.000 U	100	%	58-148	
Trichlorofluoromethane	ug/L	23.512		25.000	1.000 U	94	%	54-142	
1,1-Dichloroethene	ug/L	23.485		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	19.501		25.000	5.000 U	78	%	21-111	
Acetone	ug/L	15.836		25.000	5.000 U	63	%	14-177	
Methylene chloride	ug/L	24.600		25.000	1.000 U	98	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.967		25.000	1.000 U	100	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.335		25.000	1.000 U	105	%	55-142	
1,1-Dichloroethane	ug/L	24.431		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	26.214		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.399		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	22.335		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	21.150		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	24.934		25.000	1.000 U	100	%	75-122	
1,1,1-Trichloroethane	ug/L	24.721		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.711		25.000	1.000 U	87	%	70-125	
Carbon tetrachloride	ug/L	25.119		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	22.737		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	24.438		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	21.840		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	23.262		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	18.348		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	25.772		25.000	1.000 U	103	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.250		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.661		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	23.219		25.000	1.000 U	93	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.875		24.000	1.000 U	91	%	68-119	
1,1,2-Trichloroethane	ug/L	25.810		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	21.816		25.000	1.000 U	87	%	45-150	
1,3-Dichloropropane	ug/L	24.044		25.000	1.000 U	96	%	72-118	
2-Hexanone	ug/L	22.797		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	24.227		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.135		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	21.805		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.058		25.000	1.000 U	96	%	77-120	
Ethylbenzene	ug/L	23.067		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	44.841		50.000	2.000 U	90	%	75-123	
o-Xylene	ug/L	23.379		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	23.884		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	23.789		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	19.620		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	21.750		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	21.942		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	24.418		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	20.862		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	21.606		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.978		25.000	1.000 U	88	%	70-132	
4-Chlorotoluene	ug/L	20.756		25.000	1.000 U	83	%	70-126	
tert-Butylbenzene	ug/L	21.516		25.000	1.000 U	86	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.358		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	21.066		25.000	1.000 U	84	%	70-134	
p-Isopropyltoluene	ug/L	20.238		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.444		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.125		25.000	1.000 U	92	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.586		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163391-002		10/24/2005	1710

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.54		10.00	0.37	U	95	%	80-120	
Barium, Solid	mg/Kg	195.83		200.00	0.12	B	98	%	80-120	
Cadmium, Solid	mg/Kg	4.92		5.00	0.06	U	98	%	80-120	
Chromium, Solid	mg/Kg	20.34		20.00	0.22	B	102	%	80-120	
Lead, Solid	mg/Kg	9.54		10.00	0.25	U	95	%	80-120	
Selenium, Solid	mg/Kg	9.59		10.00	0.45	U	96	%	80-120	
Silver, Solid	mg/Kg	4.42		5.00	0.10	U	88	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163391	163391-001		10/24/2005	1705

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.12	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.22	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241151-11		10/24/2005	1820

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.77	B		1.12	0.34	A	0.95	
Barium, Solid	mg/Kg	110.25			96.90	12.9	R	20.0	
Cadmium, Solid	mg/Kg	0.21			0.19	B 0.02	A	0.19	
Chromium, Solid	mg/Kg	4.31			4.11	0.20	A	0.95	
Lead, Solid	mg/Kg	7.02			6.82	2.9	R	20.0	
Selenium, Solid	mg/Kg	0.85	B		0.83	B 0.02	A	0.95	
Silver, Solid	mg/Kg	0.10	U		0.20	B 0.20	A	0.48	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M051$PK001	241151-11		10/24/2005	1824

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	8.68		8.96	1.12		84	%	75-125	
Barium, Solid	mg/Kg	260.28		179.20	96.90		91	%	75-125	
Cadmium, Solid	mg/Kg	4.38		4.48	0.19		94	%	75-125	
Chromium, Solid	mg/Kg	26.05		17.92	4.11		122	%	75-125	
Lead, Solid	mg/Kg	15.49		8.96	6.82		97	%	75-125	
Selenium, Solid	mg/Kg	8.49		8.96	0.83	B	95	%	75-125	
Silver, Solid	mg/Kg	3.69		4.48	0.20	B	82	%	75-125	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M05ISPK001	241151-11		10/24/2005	1829

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.03	8.68	9.46	1.12		84	%	75-125	
							0.0	R	20	
Barium, Solid	mg/Kg	293.14	260.28	189.10	96.90		104	%	75-125	
							13.3	R	20	
Cadmium, Solid	mg/Kg	4.59	4.38	4.73	0.19	B	97	%	75-125	
							3.1	R	20	
Chromium, Solid	mg/Kg	26.55	26.05	18.91	4.11		119	%	75-125	
							2.5	R	20	
Lead, Solid	mg/Kg	15.83	15.49	9.46	6.82		95	%	75-125	
							2.1	R	20	
Selenium, Solid	mg/Kg	8.77	8.49	9.46	0.83	B	93	%	75-125	
							2.1	R	20	
Silver, Solid	mg/Kg	3.92	3.69	4.73	0.20	B	83	%	75-125	
							1.2	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241151-11		10/24/2005	1815

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 163565

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.35	U			1.12					
Barium, Solid	mg/Kg	20.39				96.90		5.2	D	10.0	
Cadmium, Solid	mg/Kg	0.06	U			0.19	B				
Chromium, Solid	mg/Kg	0.99				4.11					
Lead, Solid	mg/Kg	1.38				6.82					
Selenium, Solid	mg/Kg	0.43	U			0.83	B				
Silver, Solid	mg/Kg	0.10	U			0.20	B				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163280 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163280-001		%	0.1000 U								10/20/2005	1525
MD	241151-11		%	81.20000			81.40000	0.2		R	5.0	10/20/2005	1531

Test Method.....: 7471A Batch.....: 163415 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163407-007		mg/Kg	0.01 U								10/21/2005	1405
LCS	163407-008	M04LSTK010	mg/Kg	0.17		0.17	0.01	U 105		%	80-120	10/21/2005	1407
MD	241151-11		mg/Kg	0.03			0.03	0.00		A	0.02	10/21/2005	1459
MS	241151-11	M04KSTK001	mg/Kg	0.11		0.10	0.03	80		%	75-125	10/21/2005	1501
MSD	241151-11	M04KSTK001	mg/Kg	0.11	0.11	0.10	0.03	80		%	75-125	10/21/2005	1503
								0.0		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241204

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/03/2005

Signature

11/3/05
Date

Name: Linda S. Mackley

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This Report Contains (12) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08102105 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241204
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/Duplicates) had all five-control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil samples were prepared using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. The soil samples were analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

Gary Rynkar
GC/MS Section Manager

11/3/15
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 11/03/2005

Job Number.: 241204
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241204-1	MCA-GW022-55-1005	Water	10/20/2005	08:05	10/21/2005	09:45
241204-2	MCA-GW017-16-1005	Water	10/20/2005	09:00	10/21/2005	09:45
241204-3	MCA-GW016-30-1005	Water	10/20/2005	10:05	10/21/2005	09:45
241204-4	MCA-GW018-16-1005	Water	10/20/2005	12:40	10/21/2005	09:45
241204-5	MCA-GW028-16-1005	Water	10/20/2005	14:35	10/21/2005	09:45
241204-6	MCA-S0010-7-8-1005	Soil	10/20/2005	08:45	10/21/2005	09:45
241204-7	MCA-S009-7-8-1005	Soil	10/20/2005	09:15	10/21/2005	09:45
241204-8	MCA-S0011-7-8-1005	Soil	10/20/2005	12:25	10/21/2005	09:45
241204-9	MCA-S0015-7-8-1005	Soil	10/20/2005	14:20	10/21/2005	09:45
241204-10	MCA-GW015-16-1005	Water	10/20/2005	15:45	10/21/2005	09:45
241204-11	MCA-GW015-30-1005	Water	10/20/2005	16:15	10/21/2005	09:45
241204-12	MCA-GWDUP103-1005	Water	10/20/2005	11:09	10/21/2005	09:45
241204-13	TB102005	Water	10/20/2005	18:00	10/21/2005	09:45
241204-14	EB102005	Water	10/20/2005	17:20	10/21/2005	09:45

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW022-55-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Carbon disulfide	1.3	J		0.15	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Acetone	54			1.4	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	cis-1,2-Dichloroethene	11			0.20	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2-Butanone (MEK)	7.7		*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Benzene	1.8			0.23	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Trichloroethene	26			0.13	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW022-55-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW022-55-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW017-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-2
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Carbon disulfide	1.4	J		0.15	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW017-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-2
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW017-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-2
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 10:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-3
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Acetone	5.6			1.4	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 10:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-3
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 10:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-3
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW01B-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241204-4
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Acetone	5.7			1.4	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW018-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241204-4
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW018-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241204-4
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW028-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241204-5
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Acetone	4.4	J		1.4	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW028-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241204-5
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW028-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241204-5
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0010-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-6
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.9			0.10	0.10	1	%	163701		10/26/05 1143	pfk
	% Moisture, Solid	9.1			0.10	0.10	1	%	163701		10/26/05 1143	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.0	U		0.96	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chloromethane, Solid*	5.0	U		1.3	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Vinyl chloride, Solid*	5.0	U		0.78	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromomethane, Solid*	5.0	U		3.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chloroethane, Solid*	5.0	U		3.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Trichlorofluoromethane, Solid*	5.0	U		1.5	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1-Dichloroethene, Solid*	5.0	U		1.3	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Carbon disulfide, Solid*	5.0	U		1.0	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Acetone, Solid*	5.0	U		4.3	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Methylene chloride, Solid*	5.0	U		1.6	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	trans-1,2-Dichloroethene, Solid*	5.0	U		0.77	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	5.0	U		0.55	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1-Dichloroethane, Solid*	5.0	U		0.59	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2,2-Dichloropropane, Solid*	5.0	U		1.4	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	cis-1,2-Dichloroethene, Solid*	5.0	U		0.56	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2-Butanone (MEK), Solid*	5.0	U		2.2	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromochloromethane, Solid*	5.0	U		0.75	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chloroform, Solid*	5.0	U		0.68	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,1-Trichloroethane, Solid*	5.0	U		0.72	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1-Dichloropropene, Solid*	5.0	U		0.72	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Carbon tetrachloride, Solid*	5.0	U		0.73	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Benzene, Solid*	5.0	U		0.69	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2-Dichloroethane, Solid*	5.0	U		0.55	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Trichloroethene, Solid*	5.0	U		0.66	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0010-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-6
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	5.0	U		0.55	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Dibromomethane, Solid*	5.0	U		0.80	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromodichloromethane, Solid*	5.0	U		0.57	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	cis-1,3-Dichloropropene, Solid*	5.0	U		0.58	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	5.0	U		0.72	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Toluene, Solid*	5.0	U		1.7	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	trans-1,3-Dichloropropene, Solid*	5.0	U		0.60	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,2-Trichloroethane, Solid*	5.0	U		0.82	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Tetrachloroethene, Solid*	5.0	U		0.91	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,3-Dichloropropane, Solid*	5.0	U		0.61	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2-Hexanone, Solid*	5.0	U		1.2	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Dibromochloromethane, Solid*	5.0	U		0.65	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2-Dibromoethane (EDB), Solid*	5.0	U		0.64	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chlorobenzene, Solid*	5.0	U		0.56	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,1,2-Tetrachloroethane, Solid*	5.0	U		0.60	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Ethylbenzene, Solid*	5.0	U		0.64	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	m&p-Xylenes, Solid*	10	U		1.2	10	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	o-Xylene, Solid*	5.0	U		0.62	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Styrene, Solid*	5.0	U		0.62	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromoform, Solid*	5.0	U		0.74	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Isopropylbenzene, Solid*	5.0	U		0.68	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromobenzene, Solid*	5.0	U		0.49	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,2,2-Tetrachloroethane, Solid*	5.0	U		0.71	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2,3-Trichloropropane, Solid*	5.0	U		1.2	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	n-Propylbenzene, Solid*	5.0	U		0.74	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2-Chlorotoluene, Solid*	5.0	U		0.66	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,3,5-Trimethylbenzene, Solid*	5.0	U		0.81	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	4-Chlorotoluene, Solid*	5.0	U		0.69	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	tert-Butylbenzene, Solid*	5.0	U		0.78	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0010-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-6
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	5.0	U		0.85	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	sec-Butylbenzene, Solid*	5.0	U		0.84	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	p-Isopropyltoluene, Solid*	5.0	U		0.82	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	n-Butylbenzene, Solid*	5.0	U		1.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2-Dibromo-3-chloropropane, Solid*	5.0	U		1.5	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2,3-Trichlorobenzene, Solid*	5.0	U		1.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S009-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-7
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.7			0.10	0.10	1	%	163701		10/26/05 1144	pfk
	% Moisture, Solid	8.3			0.10	0.10	1	%	163701		10/26/05 1144	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.3	U		1.0	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chloromethane, Solid*	5.3	U		1.4	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Vinyl chloride, Solid*	5.3	U		0.83	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromomethane, Solid*	5.3	U		3.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chloroethane, Solid*	5.3	U		3.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Trichlorofluoromethane, Solid*	5.3	U		1.6	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1-Dichloroethene, Solid*	5.3	U		1.4	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Carbon disulfide, Solid*	5.3	U		1.1	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Acetone, Solid*	11			4.6	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Methylene chloride, Solid*	5.3	U		1.7	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	trans-1,2-Dichloroethene, Solid*	5.3	U		0.82	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	5.3	U		0.59	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1-Dichloroethane, Solid*	5.3	U		0.63	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2,2-Dichloropropane, Solid*	5.3	U		1.5	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	cis-1,2-Dichloroethene, Solid*	5.3	U		0.60	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2-Butanone (MEK), Solid*	5.3	U		2.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromochloromethane, Solid*	5.3	U		0.80	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chloroform, Solid*	5.3	U		0.73	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,1-Trichloroethane, Solid*	5.3	U		0.77	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1-Dichloropropene, Solid*	5.3	U		0.77	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Carbon tetrachloride, Solid*	5.3	U		0.78	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Benzene, Solid*	5.3	U		0.74	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2-Dichloroethane, Solid*	5.3	U		0.59	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Trichloroethene, Solid*	5.3	U		0.70	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S009-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-7
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	5.3	U		0.59	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Dibromomethane, Solid*	5.3	U		0.85	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromodichloromethane, Solid*	5.3	U		0.61	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	cis-1,3-Dichloropropene, Solid*	5.3	U		0.62	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	5.3	U		0.77	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Toluene, Solid*	5.3	U		1.8	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	trans-1,3-Dichloropropene, Solid*	5.3	U		0.64	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,2-Trichloroethane, Solid*	5.3	U		0.87	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Tetrachloroethene, Solid*	5.3	U		0.96	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,3-Dichloropropane, Solid*	5.3	U		0.65	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2-Hexanone, Solid*	5.3	U		1.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Dibromochloromethane, Solid*	5.3	U		0.69	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2-Dibromoethane (EDB), Solid*	5.3	U		0.68	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chlorobenzene, Solid*	5.3	U		0.60	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,1,2-Tetrachloroethane, Solid*	5.3	U		0.64	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Ethylbenzene, Solid*	5.3	U		0.68	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	o-Xylene, Solid*	5.3	U		0.66	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Styrene, Solid*	5.3	U		0.66	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromoform, Solid*	5.3	U		0.79	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Isopropylbenzene, Solid*	5.3	U		0.73	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromobenzene, Solid*	5.3	U		0.52	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,2,2-Tetrachloroethane, Solid*	5.3	U		0.76	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2,3-Trichloropropane, Solid*	5.3	U		1.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	n-Propylbenzene, Solid*	5.3	U		0.79	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2-Chlorotoluene, Solid*	5.3	U		0.70	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,3,5-Trimethylbenzene, Solid*	5.3	U		0.86	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	4-Chlorotoluene, Solid*	5.3	U		0.74	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	tert-Butylbenzene, Solid*	5.3	U		0.83	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn

* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S009-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-7
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	5.3	U		0.91	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	sec-Butylbenzene, Solid*	5.3	U		0.90	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	p-Isopropyltoluene, Solid*	5.3	U		0.87	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	n-Butylbenzene, Solid*	5.3	U		1.2	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2-Dibromo-3-chloropropane, Solid*	5.3	U		1.6	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2,3-Trichlorobenzene, Solid*	5.3	U		1.2	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0011-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-8
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.6			0.10	0.10	1	%	163701		10/26/05 1145	pfk
	% Moisture, Solid	5.4			0.10	0.10	1	%	163701		10/26/05 1145	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chloromethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Vinyl chloride, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromomethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chloroethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Trichlorofluoromethane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Carbon disulfide, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Acetone, Solid*	6.1	U		5.2	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Methylene chloride, Solid*	6.1	U		1.9	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	trans-1,2-Dichloroethene, Solid*	6.1	U		0.93	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1-Dichloroethane, Solid*	6.1	U		0.72	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2,2-Dichloropropane, Solid*	6.1	U		1.7	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	cis-1,2-Dichloroethene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2-Butanone (MEK), Solid*	6.1	U		2.7	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromochloromethane, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chloroform, Solid*	6.1	U		0.82	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,1-Trichloroethane, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1-Dichloropropene, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Carbon tetrachloride, Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Benzene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2-Dichloroethane, Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Trichloroethene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0011-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-8
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Dibromomethane, Solid*	6.1	U		0.97	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromodichloromethane, Solid*	6.1	U		0.69	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	cis-1,3-Dichloropropene, Solid*	6.1	U		0.70	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Toluene, Solid*	6.1	U		2.1	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,2-Trichloroethane, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Tetrachloroethene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,3-Dichloropropane, Solid*	6.1	U		0.74	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2-Hexanone, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Dibromochloromethane, Solid*	6.1	U		0.79	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chlorobenzene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,1,2-Tetrachloroethane, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Ethylbenzene, Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	o-Xylene, Solid*	6.1	U		0.75	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Styrene, Solid*	6.1	U		0.75	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromoform, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Isopropylbenzene, Solid*	6.1	U		0.82	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromobenzene, Solid*	6.1	U		0.59	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		0.86	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2,3-Trichloropropane, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	n-Propylbenzene, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2-Chlorotoluene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,3,5-Trimethylbenzene, Solid*	6.1	U		0.98	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	4-Chlorotoluene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	tert-Butylbenzene, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0011-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-8
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	sec-Butylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	p-Isopropyltoluene, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	n-Butylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2-Dibromo-3-chloropropane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2,3-Trichlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0015-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-9
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.5			0.10	0.10	1	%	163701		10/26/05 1146	pfk
	% Moisture, Solid	8.5			0.10	0.10	1	%	163701		10/26/05 1146	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.4	U		1.0	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chloromethane, Solid*	5.4	U		1.4	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Vinyl chloride, Solid*	5.4	U		0.84	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromomethane, Solid*	5.4	U		3.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chloroethane, Solid*	5.4	U		3.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Trichlorofluoromethane, Solid*	5.4	U		1.6	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1-Dichloroethene, Solid*	5.4	U		1.4	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Carbon disulfide, Solid*	5.4	U		1.1	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Acetone, Solid*	5.4	U		4.6	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Methylene chloride, Solid*	5.4	U		1.7	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	trans-1,2-Dichloroethene, Solid*	5.4	U		0.83	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	5.4	U		0.59	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1-Dichloroethane, Solid*	5.4	U		0.64	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2,2-Dichloropropane, Solid*	5.4	U		1.5	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	cis-1,2-Dichloroethene, Solid*	5.4	U		0.60	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2-Butanone (MEK), Solid*	5.4	U		2.4	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromochloromethane, Solid*	5.4	U		0.81	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chloroform, Solid*	5.4	U		0.73	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,1-Trichloroethane, Solid*	5.4	U		0.78	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1-Dichloropropene, Solid*	5.4	U		0.78	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Carbon tetrachloride, Solid*	5.4	U		0.79	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Benzene, Solid*	5.4	U		0.75	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2-Dichloroethane, Solid*	5.4	U		0.59	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Trichloroethene, Solid*	5.4	U		0.71	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0015-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-9
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	5.4	U		0.59	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Dibromomethane, Solid*	5.4	U		0.86	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromodichloromethane, Solid*	5.4	U		0.62	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	cis-1,3-Dichloropropene, Solid*	5.4	U		0.63	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	5.4	U		0.78	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Toluene, Solid*	5.4	U		1.8	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	trans-1,3-Dichloropropene, Solid*	5.4	U		0.65	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,2-Trichloroethane, Solid*	5.4	U		0.89	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Tetrachloroethene, Solid*	5.4	U		0.97	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,3-Dichloropropane, Solid*	5.4	U		0.66	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2-Hexanone, Solid*	5.4	U		1.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Dibromochloromethane, Solid*	5.4	U		0.70	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2-Dibromoethane (EDB), Solid*	5.4	U		0.69	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chlorobenzene, Solid*	5.4	U		0.60	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,1,2-Tetrachloroethane, Solid*	5.4	U		0.65	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Ethylbenzene, Solid*	5.4	U		0.69	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	o-Xylene, Solid*	5.4	U		0.67	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Styrene, Solid*	5.4	U		0.67	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromoform, Solid*	5.4	U		0.80	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Isopropylbenzene, Solid*	5.4	U		0.73	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromobenzene, Solid*	5.4	U		0.53	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,2,2-Tetrachloroethane, Solid*	5.4	U		0.77	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2,3-Trichloropropane, Solid*	5.4	U		1.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	n-Propylbenzene, Solid*	5.4	U		0.80	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2-Chlorotoluene, Solid*	5.4	U		0.71	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,3,5-Trimethylbenzene, Solid*	5.4	U		0.87	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	4-Chlorotoluene, Solid*	5.4	U		0.75	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	tert-Butylbenzene, Solid*	5.4	U		0.84	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0015-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-9
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	5.4	U		0.92	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	sec-Butylbenzene, Solid*	5.4	U		0.91	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	p-Isopropyltoluene, Solid*	5.4	U		0.89	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	n-Butylbenzene, Solid*	5.4	U		1.2	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2-Dibromo-3-chloropropane, Solid*	5.4	U		1.6	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2,3-Trichlorobenzene, Solid*	5.4	U		1.2	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241204-10
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241204-10
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-ODT ATTN: Eric Evans

Customer Sample ID: MCA-GW015-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241204-10
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241204-11
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Acetone	7.6			1.4	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	cis-1,2-Dichloroethene	1.2		H	0.20	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241204-11
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241204-11
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP103-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 11:09
Sample Matrix.....: Water

Laboratory Sample ID: 241204-12
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Acetone	8.5			1.4	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	cis-1,2-Dichloroethene	1.3			0.20	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP103-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 11:09
Sample Matrix.....: Water

Laboratory Sample ID: 241204-12
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	m&p-Xylenes	1.1	J		0.36	2.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP103-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 11:09
Sample Matrix.....: Water

Laboratory Sample ID: 241204-12
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-13
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-13
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-13
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 241204-14
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Acetone	5.4		H	1.4	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Methylene chloride	1.6			0.24	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 241204-14
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	m&p-Xylenes	2.7			0.36	2.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 241204-14
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241204-1 Client ID: MCA-GW022-55-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2206	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164516	164512	11/02/2005	2206	1.00000

Lab ID: 241204-2 Client ID: MCA-GW017-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2230	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2230	1.00000

Lab ID: 241204-3 Client ID: MCA-GW016-30-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2254	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2254	1.00000

Lab ID: 241204-4 Client ID: MCA-GW018-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2319	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2319	1.00000

Lab ID: 241204-5 Client ID: MCA-GW028-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2343	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2343	1.00000

Lab ID: 241204-6 Client ID: MCA-S0010-7-8-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1143	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2035	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0420	
5035	5035 Preservation Low	1	163422		10/22/2005	0420	
5035	5035 Preservation Low	1	163422		10/22/2005	0421	
5035	5035 Preservation Low	2	163422		10/22/2005	0420	
5035	5035 Preservation Low	2	163422		10/22/2005	0421	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2035	1.00000

Lab ID: 241204-7 Client ID: MCA-S009-7-8-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1144	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2101	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0421	
5035	5035 Preservation Low	1	163422		10/22/2005	0421	
5035	5035 Preservation Low	1	163422		10/22/2005	0422	
5035	5035 Preservation Low	2	163422		10/22/2005	0421	
5035	5035 Preservation Low	2	163422		10/22/2005	0422	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2101	1.00000

Lab ID: 241204-8 Client ID: MCA-S0011-7-8-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1145	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2127	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0422	
5035	5035 Preservation Low	1	163422		10/22/2005	0423	
5035	5035 Preservation Low	2	163422		10/22/2005	0423	

LABORATORY CHRONICLE

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241204-8 Client ID: MCA-S0011-7-8-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2127	1.00000

Lab ID: 241204-9 Client ID: MCA-S0015-7-8-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1146	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2153	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0424	
5035	5035 Preservation Low	1	163422		10/22/2005	0424	
5035	5035 Preservation Low	2	163422		10/22/2005	0424	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2153	1.00000

Lab ID: 241204-10 Client ID: MCA-GW015-16-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0007	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0007	1.00000

Lab ID: 241204-11 Client ID: MCA-GW015-30-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0031	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0031	1.00000

Lab ID: 241204-12 Client ID: MCA-GWDUP103-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0055	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0055	1.00000

Lab ID: 241204-13 Client ID: TB102005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0119	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0119	1.00000

Lab ID: 241204-14 Client ID: EB102005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0143	
5030B	5030 10 mL Purge Prep	2	164556		11/03/2005	0921	
8260B	Volatile Organics	1	164560	164556	11/03/2005	0921	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164553
Prep Batch..: 163422

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
241204--21	EB1		11/02/2005	84	96	86	90
241204- 6		MCA-S0010-7-8-1005	11/02/2005	88	105	89	94
241204- 7		MCA-S009-7-8-1005	11/02/2005	87	96	87	91
241204- 8		MCA-S0011-7-8-1005	11/02/2005	90	104	89	94
241204- 9		MCA-S0015-7-8-1005	11/02/2005	92	95	89	93

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164516
Prep Batch..: 164512

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/03/2005	87	103	111	101
LCS			11/02/2005	87	104	107	98
MB			11/02/2005	97	99	104	99
241204- 1		MCA-GW022-55-1005	11/02/2005	97	97	113	100
241204- 2		MCA-GW017-16-1005	11/02/2005	103	98	109	100
241204- 3		MCA-GW016-30-1005	11/02/2005	97	100	112	100
241204- 4		MCA-GW018-16-1005	11/02/2005	103	98	112	98
241204- 5		MCA-GW028-16-1005	11/02/2005	95	99	108	99
241204- 10		MCA-GW015-16-1005	11/03/2005	97	97	110	99
241204- 11		MCA-GW015-30-1005	11/03/2005	99	97	109	98
241204- 12		MCA-GWDUP103-1005	11/03/2005	99	99	112	100
241204- 13		TB102005	11/03/2005	104	96	113	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164553
Prep Batch..: 164549

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/02/2005	79	95	86	94
MB			11/02/2005	80	96	84	90

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: 483648 PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164556
Method Code...: 8260B Batch(s).....: 164560

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	92	104	110	101
MB			11/03/2005	99	97	108	101
241204- 14		EB102005	11/03/2005	98	101	109	98

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164512-027		11/03/2005	0609

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 164516

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.994	22.409	25.000	1.000 U	104	%	24-171	
						15	R	20	
Chloromethane	ug/L	24.521	21.092	25.000	1.000 U	98	%	31-182	
						15	R	20	
Vinyl chloride	ug/L	24.035	22.076	25.000	1.000 U	96	%	50-145	
						8	R	20	
Bromomethane	ug/L	29.452	34.530	25.000	1.000 U	118	%	31-188	
						16	R	20	
Chloroethane	ug/L	21.402	23.786	25.000	1.000 U	86	%	58-148	
						11	R	20	
Trichlorofluoromethane	ug/L	22.307	19.504	25.000	1.000 U	89	%	54-142	
						13	R	20	
1,1-Dichloroethene	ug/L	25.914	24.100	25.000	1.000 U	104	%	51-136	
						7	R	20	
Carbon disulfide	ug/L	23.961	21.604	25.000	5.000 U	96	%	21-111	
						10	R	20	
Acetone	ug/L	18.646	17.545	25.000	5.000 U	75	%	14-177	
						6	R	20	
Methylene chloride	ug/L	26.533	22.404	25.000	1.000 U	106	%	64-127	
						17	R	20	
trans-1,2-Dichloroethene	ug/L	25.911	23.470	25.000	1.000 U	104	%	62-138	
						10	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.828	25.945	25.000	1.000 U	119	%	55-142	
						14	R	20	
1,1-Dichloroethane	ug/L	27.274	22.654	25.000	1.000 U	109	%	70-124	
						19	R	20	
2,2-Dichloropropane	ug/L	28.187	26.481	25.000	1.000 U	113	%	68-127	
						6	R	20	
cis-1,2-Dichloroethene	ug/L	28.336	23.876	25.000	1.000 U	113	%	70-125	
						17	R	20	
2-Butanone (MEK)	ug/L	25.946	18.718	25.000	5.000 U	104	%	29-139	
						32	R	20	*
Bromochloromethane	ug/L	23.546	19.371	25.000	1.000 U	94	%	57-116	
						19	R	20	
Chloroform	ug/L	27.114	22.812	25.000	1.000 U	108	%	75-122	
						17	R	20	
1,1,1-Trichloroethane	ug/L	26.031	22.619	25.000	1.000 U	104	%	70-127	
						14	R	20	
1,1-Dichloropropene	ug/L	24.142	21.057	25.000	1.000 U	97	%	70-125	
						14	R	20	
Carbon tetrachloride	ug/L	26.627	25.044	25.000	1.000 U	107	%	64-132	
						6	R	20	
Benzene	ug/L	24.375	21.662	25.000	1.000 U	98	%	75-122	
						12	R	20	
1,2-Dichloroethane	ug/L	25.187	22.982	25.000	1.000 U	101	%	67-120	
						9	R	20	
Trichloroethene	ug/L	23.634	21.528	25.000	1.000 U	95	%	70-125	
						9	R	20	
1,2-Dichloropropane	ug/L	24.983	22.343	25.000	1.000 U	100	%	76-116	
						11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164512-027		11/03/2005	0609

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	18.908	17.459	25.000	1.000 U	76	%	68-116	
						8	R	20	
Bromodichloromethane	ug/L	27.691	24.100	25.000	1.000 U	111	%	75-125	
						14	R	20	
cis-1,3-Dichloropropene	ug/L	24.934	22.636	26.000	1.000 U	96	%	72-115	
						10	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.790	22.065	25.000	5.000 U	103	%	39-137	
						16	R	20	
Toluene	ug/L	24.687	21.657	25.000	1.000 U	99	%	77-120	
						13	R	20	
trans-1,3-Dichloropropene	ug/L	23.528	21.435	24.000	1.000 U	98	%	68-119	
						9	R	20	
1,1,2-Trichloroethane	ug/L	28.077	23.451	25.000	1.000 U	112	%	63-127	
						18	R	20	
Tetrachloroethene	ug/L	23.787	22.315	25.000	1.000 U	95	%	45-150	
						6	R	20	
1,3-Dichloropropane	ug/L	25.876	23.421	25.000	1.000 U	104	%	72-118	
						10	R	20	
2-Hexanone	ug/L	23.081	20.942	25.000	5.000 U	92	%	36-144	
						10	R	20	
Dibromochloromethane	ug/L	25.557	23.642	25.000	1.000 U	102	%	73-116	
						8	R	20	
1,2-Dibromoethane (EDB)	ug/L	25.416	22.473	25.000	1.000 U	102	%	62-123	
						12	R	20	
Chlorobenzene	ug/L	23.096	21.009	25.000	1.000 U	92	%	76-116	
						9	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.453	23.263	25.000	1.000 U	102	%	77-120	
						9	R	20	
Ethylbenzene	ug/L	24.387	22.469	25.000	1.000 U	98	%	75-125	
						8	R	20	
m&p-Xylenes	ug/L	48.227	43.766	50.000	2.000 U	96	%	75-123	
						10	R	20	
o-Xylene	ug/L	25.011	22.694	25.000	1.000 U	100	%	76-121	
						10	R	20	
Styrene	ug/L	25.270	22.697	25.000	1.000 U	101	%	77-128	
						11	R	20	
Bromoform	ug/L	26.120	23.020	25.000	1.000 U	104	%	65-115	
						13	R	20	
Isopropylbenzene	ug/L	21.634	20.083	25.000	1.000 U	87	%	64-119	
						7	R	20	
Bromobenzene	ug/L	24.092	22.186	25.000	1.000 U	96	%	76-118	
						8	R	20	
1,1,2,2-Tetrachloroethane	ug/L	24.160	22.095	25.000	1.000 U	97	%	61-122	
						9	R	20	
1,2,3-Trichloropropane	ug/L	26.071	23.421	25.000	1.000 U	104	%	62-124	
						11	R	20	
n-Propylbenzene	ug/L	23.662	21.567	25.000	1.000 U	95	%	69-132	
						9	R	20	
2-Chlorotoluene	ug/L	23.756	21.420	25.000	1.000 U	95	%	70-127	
						10	R	20	
1,3,5-Trimethylbenzene	ug/L	24.683	22.416	25.000	1.000 U	99	%	70-132	
						10	R	20	
4-Chlorotoluene	ug/L	22.619	20.581	25.000	1.000 U	90	%	70-126	
						9	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164512-027		11/03/2005	0609

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.690	22.091	25.000	1.000	U	95	%	70-133	
							7	R	20	
1,2,4-Trimethylbenzene	ug/L	23.924	21.730	25.000	1.000	U	96	%	71-131	
							10	R	20	
sec-Butylbenzene	ug/L	23.694	21.698	25.000	1.000	U	95	%	70-134	
							9	R	20	
p-Isopropyltoluene	ug/L	23.177	21.126	25.000	1.000	U	93	%	66-130	
							9	R	20	
n-Butylbenzene	ug/L	23.198	21.462	25.000	1.000	U	93	%	64-142	
							8	R	20	
1,2-Dibromo-3-chloropropane	ug/L	25.091	20.329	25.000	1.000	U	100	%	57-119	
							21	R	20	*
1,2,3-Trichlorobenzene	ug/L	24.462	20.580	25.000	1.000	U	98	%	66-124	
							17	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSA	164512-026		11/02/2005	2029

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdh
Method Description.: Volatile Organics — Batch.....: 164516

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	22.409		25.000	1.000 U	90	%	24-171	
Chloromethane	ug/L	21.092		25.000	1.000 U	84	%	31-182	
Vinyl chloride	ug/L	22.076		25.000	1.000 U	88	%	50-145	
Bromomethane	ug/L	34.530		25.000	1.000 U	138	%	31-188	
Chloroethane	ug/L	23.786		25.000	1.000 U	95	%	58-148	
Trichlorofluoromethane	ug/L	19.504		25.000	1.000 U	78	%	54-142	
1,1-Dichloroethene	ug/L	24.100		25.000	1.000 U	96	%	51-136	
Carbon disulfide	ug/L	21.604		25.000	5.000 U	86	%	21-111	
Acetone	ug/L	17.545		25.000	5.000 U	70	%	14-177	
Methylene chloride	ug/L	22.404		25.000	1.000 U	90	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.470		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.945		25.000	1.000 U	104	%	55-142	
1,1-Dichloroethane	ug/L	22.654		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	26.481		25.000	1.000 U	106	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.876		25.000	1.000 U	96	%	70-125	
2-Butanone (MEK)	ug/L	18.718		25.000	5.000 U	75	%	29-139	
Bromochloromethane	ug/L	19.371		25.000	1.000 U	77	%	57-116	
Chloroform	ug/L	22.812		25.000	1.000 U	91	%	75-122	
1,1,1-Trichloroethane	ug/L	22.619		25.000	1.000 U	90	%	70-127	
1,1-Dichloropropene	ug/L	21.057		25.000	1.000 U	84	%	70-125	
Carbon tetrachloride	ug/L	25.044		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	21.662		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	22.982		25.000	1.000 U	92	%	67-120	
Trichloroethene	ug/L	21.528		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	22.343		25.000	1.000 U	89	%	76-116	
Dibromomethane	ug/L	17.459		25.000	1.000 U	70	%	68-116	
Bromodichloromethane	ug/L	24.100		25.000	1.000 U	96	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.636		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.065		25.000	5.000 U	88	%	39-137	
Toluene	ug/L	21.657		25.000	1.000 U	87	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.435		24.000	1.000 U	89	%	68-119	
1,1,2-Trichloroethane	ug/L	23.451		25.000	1.000 U	94	%	63-127	
Tetrachloroethene	ug/L	22.315		25.000	1.000 U	89	%	45-150	
1,3-Dichloropropane	ug/L	23.421		25.000	1.000 U	94	%	72-118	
2-Hexanone	ug/L	20.942		25.000	5.000 U	84	%	36-144	
Dibromochloromethane	ug/L	23.642		25.000	1.000 U	95	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.473		25.000	1.000 U	90	%	62-123	
Chlorobenzene	ug/L	21.009		25.000	1.000 U	84	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.263		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	22.469		25.000	1.000 U	90	%	75-125	
m&p-Xylenes	ug/L	43.766		50.000	2.000 U	88	%	75-123	
o-Xylene	ug/L	22.694		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.697		25.000	1.000 U	91	%	77-128	
Bromoform	ug/L	23.020		25.000	1.000 U	92	%	65-115	
Isopropylbenzene	ug/L	20.083		25.000	1.000 U	80	%	64-119	
Bromobenzene	ug/L	22.186		25.000	1.000 U	89	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.095		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	23.421		25.000	1.000 U	94	%	62-124	
n-Propylbenzene	ug/L	21.567		25.000	1.000 U	86	%	69-132	
2-Chlorotoluene	ug/L	21.420		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSA	164512-026		11/02/2005	2029

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	22.416		25.000	1.000	U	90	%	70-132	
4-Chlorotoluene	ug/L	20.581		25.000	1.000	U	82	%	70-126	
tert-Butylbenzene	ug/L	22.091		25.000	1.000	U	88	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.730		25.000	1.000	U	87	%	71-131	
sec-Butylbenzene	ug/L	21.698		25.000	1.000	U	87	%	70-134	
p-Isopropyltoluene	ug/L	21.126		25.000	1.000	U	85	%	66-130	
n-Butylbenzene	ug/L	21.462		25.000	1.000	U	86	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.329		25.000	1.000	U	81	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.580		25.000	1.000	U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164512-025		11/02/2005	1917

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164516

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164512-025		11/02/2005	1917

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	1204	163422-009		11/02/2005	2010

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164553

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000 U							
Chloromethane, Solid	ug/Kg	5.000 U							
Vinyl chloride, Solid	ug/Kg	5.000 U							
Bromomethane, Solid	ug/Kg	5.000 U							
Chloroethane, Solid	ug/Kg	5.000 U							
Trichlorofluoromethane, Solid	ug/Kg	5.000 U							
1,1-Dichloroethene, Solid	ug/Kg	5.000 U							
Carbon disulfide, Solid	ug/Kg	5.000 U							
Acetone, Solid	ug/Kg	5.000 U							
Methylene chloride, Solid	ug/Kg	5.000 U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000 U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000 U							
1,1-Dichloroethane, Solid	ug/Kg	5.000 U							
2,2-Dichloropropane, Solid	ug/Kg	5.000 U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000 U							
2-Butanone (MEK), Solid	ug/Kg	5.000 U							
Bromochloromethane, Solid	ug/Kg	5.000 U							
Chloroform, Solid	ug/Kg	5.000 U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000 U							
1,1-Dichloropropene, Solid	ug/Kg	5.000 U							
Carbon tetrachloride, Solid	ug/Kg	5.000 U							
Benzene, Solid	ug/Kg	5.000 U							
1,2-Dichloroethane, Solid	ug/Kg	5.000 U							
Trichloroethene, Solid	ug/Kg	5.000 U							
1,2-Dichloropropane, Solid	ug/Kg	5.000 U							
Dibromomethane, Solid	ug/Kg	5.000 U							
Bromodichloromethane, Solid	ug/Kg	5.000 U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000 U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000 U							
Toluene, Solid	ug/Kg	5.000 U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000 U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000 U							
Tetrachloroethene, Solid	ug/Kg	5.000 U							
1,3-Dichloropropane, Solid	ug/Kg	5.000 U							
2-Hexanone, Solid	ug/Kg	5.000 U							
Dibromochloromethane, Solid	ug/Kg	5.000 U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000 U							
Chlorobenzene, Solid	ug/Kg	5.000 U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000 U							
Ethylbenzene, Solid	ug/Kg	5.000 U							
m&p-Xylenes, Solid	ug/Kg	10.000 U							
o-Xylene, Solid	ug/Kg	5.000 U							
Styrene, Solid	ug/Kg	5.000 U							
Bromoform, Solid	ug/Kg	5.000 U							
Isopropylbenzene, Solid	ug/Kg	5.000 U							
Bromobenzene, Solid	ug/Kg	5.000 U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000 U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000 U							
n-Propylbenzene, Solid	ug/Kg	5.000 U							
2-Chlorotoluene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	1204	163422-009		11/02/2005	2010

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSB	164549-006		11/02/2005	1926

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164553

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	40.599		50.000	5.000 U	81	%	39-159	
Chloromethane, Solid	ug/Kg	50.981		50.000	5.000 U	102	%	42-180	
Vinyl chloride, Solid	ug/Kg	50.952		50.000	5.000 U	102	%	60-125	
Bromomethane, Solid	ug/Kg	57.767		50.000	5.000 U	116	%	39-165	
Chloroethane, Solid	ug/Kg	52.389		50.000	5.000 U	105	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	47.261		50.000	5.000 U	95	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	47.905		50.000	5.000 U	96	%	47-141	
Carbon disulfide, Solid	ug/Kg	41.711		50.000	5.000 U	83	%	22-118	
Acetone, Solid	ug/Kg	49.931		50.000	5.000 U	100	%	50-176	
Methylene chloride, Solid	ug/Kg	45.421		50.000	5.000 U	91	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	48.162		50.000	5.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	50.841		50.000	5.000 U	102	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	48.213		50.000	5.000 U	96	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	46.916		50.000	5.000 U	94	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	50.386		50.000	5.000 U	101	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	42.636		50.000	5.000 U	85	%	41-166	
Bromochloromethane, Solid	ug/Kg	50.557		50.000	5.000 U	101	%	61-122	
Chloroform, Solid	ug/Kg	49.020		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	49.046		50.000	5.000 U	98	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	47.187		50.000	5.000 U	94	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	47.803		50.000	5.000 U	96	%	67-130	
Benzene, Solid	ug/Kg	48.567		50.000	5.000 U	97	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.179		50.000	5.000 U	94	%	72-134	
Trichloroethene, Solid	ug/Kg	48.333		50.000	5.000 U	97	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	48.292		50.000	5.000 U	97	%	76-124	
Dibromomethane, Solid	ug/Kg	47.442		50.000	5.000 U	95	%	75-122	
Bromodichloromethane, Solid	ug/Kg	52.924		50.000	5.000 U	106	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	48.756		52.000	5.000 U	94	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.930		50.000	5.000 U	96	%	57-144	
Toluene, Solid	ug/Kg	48.936		50.000	5.000 U	98	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.284		48.000	5.000 U	94	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	50.950		50.000	5.000 U	102	%	79-133	
Tetrachloroethene, Solid	ug/Kg	45.715		50.000	5.000 U	91	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	47.563		50.000	5.000 U	95	%	81-123	
2-Hexanone, Solid	ug/Kg	44.865		50.000	5.000 U	90	%	57-148	
Dibromochloromethane, Solid	ug/Kg	49.148		50.000	5.000 U	98	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.415		50.000	5.000 U	101	%	77-123	
Chlorobenzene, Solid	ug/Kg	47.424		50.000	5.000 U	95	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	50.917		50.000	5.000 U	102	%	78-126	
Ethylbenzene, Solid	ug/Kg	47.994		50.000	5.000 U	96	%	73-121	
m&p-Xylenes, Solid	ug/Kg	95.885		100.000	10.000 U	96	%	73-122	
o-Xylene, Solid	ug/Kg	48.623		50.000	5.000 U	97	%	75-120	
Styrene, Solid	ug/Kg	49.522		50.000	5.000 U	99	%	76-124	
Bromoform, Solid	ug/Kg	47.188		50.000	5.000 U	94	%	72-132	
Isopropylbenzene, Solid	ug/Kg	45.688		50.000	5.000 U	91	%	59-114	
Bromobenzene, Solid	ug/Kg	49.854		50.000	5.000 U	100	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	48.088		50.000	5.000 U	96	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	49.126		50.000	5.000 U	98	%	75-126	
n-Propylbenzene, Solid	ug/Kg	48.983		50.000	5.000 U	98	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	50.116		50.000	5.000 U	100	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241204

QUALITY CONTROL RESULTS

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSB	164549-006		11/02/2005	1926

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	49.790		50.000	5.000	U	100	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	47.685		50.000	5.000	U	95	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	49.921		50.000	5.000	U	100	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	49.533		50.000	5.000	U	99	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	48.918		50.000	5.000	U	98	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	47.016		50.000	5.000	U	94	%	65-121	
n-Butylbenzene, Solid	ug/Kg	48.041		50.000	5.000	U	96	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	46.222		50.000	5.000	U	92	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	46.961		50.000	5.000	U	94	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164549-005		11/02/2005	1826

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164553

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164549-005		11/02/2005	1826

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 164560

Analyst...: jdn

LCS	Laboratory Control Sample	V05K030SA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.596		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	23.139		25.000	1.000 U	93	%	31-182	
Vinyl chloride	ug/L	23.593		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	36.069		25.000	1.000 U	144	%	31-188	
Chloroethane	ug/L	24.925		25.000	1.000 U	100	%	58-148	
Trichlorofluoromethane	ug/L	23.512		25.000	1.000 U	94	%	54-142	
1,1-Dichloroethene	ug/L	23.485		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	19.501		25.000	5.000 U	78	%	21-111	
Acetone	ug/L	15.836		25.000	5.000 U	63	%	14-177	
Methylene chloride	ug/L	24.600		25.000	1.000 U	98	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.967		25.000	1.000 U	100	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.335		25.000	1.000 U	105	%	55-142	
1,1-Dichloroethane	ug/L	24.431		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	26.214		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.399		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	22.335		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	21.150		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	24.934		25.000	1.000 U	100	%	75-122	
1,1,1-Trichloroethane	ug/L	24.721		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.711		25.000	1.000 U	87	%	70-125	
Carbon tetrachloride	ug/L	25.119		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	22.737		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	24.438		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	21.840		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	23.262		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	18.348		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	25.772		25.000	1.000 U	103	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.250		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.661		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	23.219		25.000	1.000 U	93	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.875		24.000	1.000 U	91	%	68-119	
1,1,2-Trichloroethane	ug/L	25.810		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	21.816		25.000	1.000 U	87	%	45-150	
1,3-Dichloropropane	ug/L	24.044		25.000	1.000 U	96	%	72-118	
2-Hexanone	ug/L	22.797		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	24.227		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.135		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	21.805		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.058		25.000	1.000 U	96	%	77-120	
Ethylbenzene	ug/L	23.067		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	44.841		50.000	2.000 U	90	%	75-123	
o-Xylene	ug/L	23.379		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	23.884		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	23.789		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	19.620		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	21.750		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	21.942		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	24.418		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	20.862		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	21.606		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.978		25.000	1.000 U	88	%	70-132	
4-Chlorotoluene	ug/L	20.756		25.000	1.000 U	83	%	70-126	
tert-Butylbenzene	ug/L	21.516		25.000	1.000 U	86	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.358		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	21.066		25.000	1.000 U	84	%	70-134	
p-Isopropyltoluene	ug/L	20.238		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.444		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.125		25.000	1.000 U	92	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.586		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Test Method.....: 82608 Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids

Batch.....: 163701
Equipment Code...:

Analyst...: pfk
Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F	*	Limits	Date	Time
MB	163701-001		%	0.1000 U							10/26/2005	1140

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
$	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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Report To:
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Fax: (518) 877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: SMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 3

Lab Lot# 241204

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 2.5

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: GW Plume Delineation
Project Number: SMA009-001
Project Location: MCA BARRACKS HUNTER AAP
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: LINDA MACKLEY

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrig #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B ethene	MOISTURE (TPH Fractions)	Additional Analyses / Remarks
								3	3	1				
								40ml	5g	40z				
								HCl	None					
1		MCA-GW022-55-1005		0805	W	G					X			STANDARD TAT
2		MCA-GW017-16-1005		0900										↓ ↓
		MCA-GW016-16-1005		~~1005~~										TIME 0935 3DAY TAT*
3		MCA-GW016-30-1005		1005										STANDARD TAT
4		MCA-GW018-16-1005		1240										
5		MCA-GW023-16-1005		1435	↓	↓					↓			
6		MCA-SO010-7-8-1005		0845	S	C						X	X	
7		MCA-SO009-7-8-1005		0915										
8		MCA-SO011-7-8-1005		1225										
9		MCA-SO015-7-8-1005		1420	↓	↓						↓	↓	
10		MCA-GW015-16-1005		1545	W	G					X			
11		MCA-GW015-30-1005		1615	↓	↓					↓			

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-20-05			STL	10/21/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10, 21, 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
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Fax: (518) 877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: 04A009-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 241204

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: 04A009-001
Project Location: MCA BARRACKS – ALNGR AAF
Lab PM: LINDA MACKEY
Date Required
Hard Copy: ____/____/____
Fax: ____/____/____

Refrg #	2a											
# / Cont.	3	2										
Volume	40ml	40ml										
Preserv	HCl	HCl										

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCS 8260B	VOCS 8260B	Additional Analyses / Remarks
12		MCA-GWDUP103-1005	10-20-05	1109	GW	G	X		STD TAT
13		TB102005	↓	1900	↓	↓		X	↓ ↓
14		EB102005	↓	1720	↓	↓	X		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-20-05	1810		STL	10/21/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10/21/05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT STL

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241203

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/26/2005

Mary S. McDonald

Signature

10/26/05

Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (19) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241203
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/ Laboratory Control Duplicate) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water sample was analyzed using a 10-mL purge volume.

JoAnn Petruszak-Kmetty
GC/MS Dept.

10-26-05
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

S A M P L E I N F O R M A T I O N
Date: 10/26/2005

Job Number.: 241203
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241203-1	MCA-GW016-16-1005	Water	10/20/2005	09:35	10/21/2005	09:45

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LABORATORY TEST RESULTS

Job Number: 241203 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 241203-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241203

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 241203-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241203

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 241203-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163588		10/24/05 1715	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241203 Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241203-1 Client ID: MCA-GW016-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163581		10/24/2005	1715	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163588	163581	10/24/2005	1715	1.00000

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 241203 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163581
Method Code...: 8260B Batch(s).....: 163588

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/25/2005	95	95	113	99
LCS			10/24/2005	93	98	103	98
MB			10/24/2005	96	95	99	96
241203- 1		MCA-GW016-16-1005	10/24/2005	89	94	92	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241203 — Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J2405A	163581-027		10/25/2005	0253

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163588

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.879	14.277	25.000	1.000 U	60 4	% R	24-171 20	
Chloromethane	ug/L	22.692	20.732	25.000	1.000 U	91 9	% R	31-182 20	
Vinyl chloride	ug/L	24.973	23.584	25.000	1.000 U	100 6	% R	50-145 20	
Bromomethane	ug/L	26.746	27.135	25.000	1.000 U	107 1	% R	31-188 20	
Chloroethane	ug/L	31.588	29.330	25.000	1.000 U	126 7	% R	58-148 20	
Trichlorofluoromethane	ug/L	25.315	24.363	25.000	1.000 U	101 4	% R	54-142 20	
1,1-Dichloroethene	ug/L	27.360	28.235	25.000	1.000 U	109 3	% R	51-136 20	
Carbon disulfide	ug/L	23.983	23.620	25.000	5.000 U	96 2	% R	21-111 20	
Acetone	ug/L	32.947	27.186	25.000	5.000 U	132 19	% R	14-177 20	
Methylene chloride	ug/L	28.458	27.526	25.000	1.000 U	114 3	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	29.640	29.692	25.000	1.000 U	119 0	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	32.603	27.876	25.000	1.000 U	130 16	% R	55-142 20	
1,1-Dichloroethane	ug/L	28.417	27.547	25.000	1.000 U	114 3	% R	70-124 20	
2,2-Dichloropropane	ug/L	25.798	27.324	25.000	1.000 U	103 6	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	29.346	29.672	25.000	1.000 U	117 1	% R	70-125 20	
2-Butanone (MEK)	ug/L	23.510	25.195	25.000	5.000 U	94 7	% R	29-139 20	
Bromochloromethane	ug/L	29.217	24.984	25.000	1.000 U	117 16	% R	57-116 20	*
Chloroform	ug/L	29.588	29.768	25.000	1.000 U	118 1	% R	75-122 20	
1,1,1-Trichloroethane	ug/L	28.033	28.244	25.000	1.000 U	112 1	% R	70-127 20	
1,1-Dichloropropene	ug/L	26.656	27.196	25.000	1.000 U	107 2	% R	70-125 20	
Carbon tetrachloride	ug/L	25.559	27.024	25.000	1.000 U	102 6	% R	64-132 20	
Benzene	ug/L	25.898	27.561	25.000	1.000 U	104 6	% R	75-122 20	
1,2-Dichloroethane	ug/L	23.999	25.886	25.000	1.000 U	96 8	% R	67-120 20	
Trichloroethene	ug/L	25.445	27.365	25.000	1.000 U	102 7	% R	70-125 20	
1,2-Dichloropropane	ug/L	25.616	27.300	25.000	1.000 U	102 6	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241203 — Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J240SA	163581-027		10/25/2005	0253

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	18.123	20.759	25.000	1.000 U	72	%	68-116	
						14	R	20	
Bromodichloromethane	ug/L	27.182	28.983	25.000	1.000 U	109	%	75-125	
						6	R	20	
cis-1,3-Dichloropropene	ug/L	24.783	27.828	26.000	1.000 U	95	%	72-115	
						12	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	24.099	27.621	25.000	5.000 U	96	%	39-137	
						14	R	20	
Toluene	ug/L	26.005	27.639	25.000	1.000 U	104	%	77-120	
						6	R	20	
trans-1,3-Dichloropropene	ug/L	20.962	24.009	24.000	1.000 U	87	%	68-119	
						14	R	20	
1,1,2-Trichloroethane	ug/L	27.794	28.321	25.000	1.000 U	111	%	63-127	
						2	R	20	
Tetrachloroethene	ug/L	24.916	26.844	25.000	1.000 U	100	%	45-150	
						7	R	20	
1,3-Dichloropropane	ug/L	25.260	27.516	25.000	1.000 U	101	%	72-118	
						9	R	20	
2-Hexanone	ug/L	24.693	28.859	25.000	5.000 U	99	%	36-144	
						16	R	20	
Dibromochloromethane	ug/L	26.109	27.744	25.000	1.000 U	104	%	73-116	
						6	R	20	
1,2-Dibromoethane (EDB)	ug/L	24.329	26.833	25.000	1.000 U	97	%	62-123	
						10	R	20	
Chlorobenzene	ug/L	24.735	26.622	25.000	1.000 U	99	%	76-116	
						7	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.633	27.457	25.000	1.000 U	103	%	77-120	
						7	R	20	
Ethylbenzene	ug/L	26.510	28.593	25.000	1.000 U	106	%	75-125	
						8	R	20	
m&p-Xylenes	ug/L	50.594	54.889	50.000	2.000 U	101	%	75-123	
						8	R	20	
o-Xylene	ug/L	25.697	28.072	25.000	1.000 U	103	%	76-121	
						9	R	20	
Styrene	ug/L	26.594	28.946	25.000	1.000 U	106	%	77-128	
						8	R	20	
Bromoform	ug/L	24.681	26.883	25.000	1.000 U	99	%	65-115	
						9	R	20	
Isopropylbenzene	ug/L	24.436	25.712	25.000	1.000 U	98	%	64-119	
						5	R	20	
Bromobenzene	ug/L	26.482	28.107	25.000	1.000 U	106	%	76-118	
						6	R	20	
1,1,2,2-Tetrachloroethane	ug/L	26.654	27.356	25.000	1.000 U	107	%	61-122	
						3	R	20	
1,2,3-Trichloropropane	ug/L	25.304	27.323	25.000	1.000 U	101	%	62-124	
						8	R	20	
n-Propylbenzene	ug/L	27.242	28.740	25.000	1.000 U	109	%	69-132	
						5	R	20	
2-Chlorotoluene	ug/L	26.404	27.098	25.000	1.000 U	106	%	70-127	
						3	R	20	
1,3,5-Trimethylbenzene	ug/L	27.542	28.944	25.000	1.000 U	110	%	70-132	
						5	R	20	
4-Chlorotoluene	ug/L	26.404	27.098	25.000	1.000 U	106	%	70-126	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241203 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163581-027		10/25/2005	0253

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	27.243	28.517	25.000	1.000	U	109 5	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	27.383	28.718	25.000	1.000	U	110 5	% R	71-131 20	
sec-Butylbenzene	ug/L	27.231	28.331	25.000	1.000	U	109 4	% R	70-134 20	
p-Isopropyltoluene	ug/L	25.284	26.404	25.000	1.000	U	101 4	% R	66-130 20	
n-Butylbenzene	ug/L	27.012	29.341	25.000	1.000	U	108 8	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	23.872	27.231	25.000	1.000	U	95 13	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	26.177	28.107	25.000	1.000	U	105 7	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241203 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J24DSA	163581-026		10/24/2005	1651

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163588

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.277		25.000	1.000 U	57	%	24-171	
Chloromethane	ug/L	20.732		25.000	1.000 U	83	%	31-182	
Vinyl chloride	ug/L	23.584		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	27.135		25.000	1.000 U	109	%	31-188	
Chloroethane	ug/L	29.330		25.000	1.000 U	117	%	58-148	
Trichlorofluoromethane	ug/L	24.363		25.000	1.000 U	97	%	54-142	
1,1-Dichloroethene	ug/L	28.235		25.000	1.000 U	113	%	51-136	
Carbon disulfide	ug/L	23.620		25.000	5.000 U	94	%	21-111	
Acetone	ug/L	27.186		25.000	5.000 U	109	%	14-177	
Methylene chloride	ug/L	27.526		25.000	1.000 U	110	%	64-127	
trans-1,2-Dichloroethene	ug/L	29.692		25.000	1.000 U	119	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.876		25.000	1.000 U	112	%	55-142	
1,1-Dichloroethane	ug/L	27.547		25.000	1.000 U	110	%	70-124	
2,2-Dichloropropane	ug/L	27.324		25.000	1.000 U	109	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.672		25.000	1.000 U	119	%	70-125	
2-Butanone (MEK)	ug/L	25.195		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	24.984		25.000	1.000 U	100	%	57-116	
Chloroform	ug/L	29.768		25.000	1.000 U	119	%	75-122	
1,1,1-Trichloroethane	ug/L	28.244		25.000	1.000 U	113	%	70-127	
1,1-Dichloropropene	ug/L	27.196		25.000	1.000 U	109	%	70-125	
Carbon tetrachloride	ug/L	27.024		25.000	1.000 U	108	%	64-132	
Benzene	ug/L	27.561		25.000	1.000 U	110	%	75-122	
1,2-Dichloroethane	ug/L	25.886		25.000	1.000 U	104	%	67-120	
Trichloroethene	ug/L	27.365		25.000	1.000 U	109	%	70-125	
1,2-Dichloropropane	ug/L	27.300		25.000	1.000 U	109	%	76-116	
Dibromomethane	ug/L	20.759		25.000	1.000 U	83	%	68-116	
Bromodichloromethane	ug/L	28.983		25.000	1.000 U	116	%	75-125	
cis-1,3-Dichloropropene	ug/L	27.828		26.000	1.000 U	107	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	27.621		25.000	5.000 U	110	%	39-137	
Toluene	ug/L	27.639		25.000	1.000 U	111	%	77-120	
trans-1,3-Dichloropropene	ug/L	24.009		24.000	1.000 U	100	%	68-119	
1,1,2-Trichloroethane	ug/L	28.321		25.000	1.000 U	113	%	63-127	
Tetrachloroethene	ug/L	26.844		25.000	1.000 U	107	%	45-150	
1,3-Dichloropropane	ug/L	27.516		25.000	1.000 U	110	%	72-118	
2-Hexanone	ug/L	28.859		25.000	5.000 U	115	%	36-144	
Dibromochloromethane	ug/L	27.744		25.000	1.000 U	111	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	26.833		25.000	1.000 U	107	%	62-123	
Chlorobenzene	ug/L	26.622		25.000	1.000 U	106	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.457		25.000	1.000 U	110	%	77-120	
Ethylbenzene	ug/L	28.593		25.000	1.000 U	114	%	75-125	
m&p-Xylenes	ug/L	54.889		50.000	2.000 U	110	%	75-123	
o-Xylene	ug/L	28.072		25.000	1.000 U	112	%	76-121	
Styrene	ug/L	28.946		25.000	1.000 U	116	%	77-128	
Bromoform	ug/L	26.883		25.000	1.000 U	108	%	65-115	
Isopropylbenzene	ug/L	25.712		25.000	1.000 U	103	%	64-119	
Bromobenzene	ug/L	28.107		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.356		25.000	1.000 U	109	%	61-122	
1,2,3-Trichloropropane	ug/L	27.323		25.000	1.000 U	109	%	62-124	
n-Propylbenzene	ug/L	28.740		25.000	1.000 U	115	%	69-132	
2-Chlorotoluene	ug/L	27.098		25.000	1.000 U	108	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241203

Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J24DSA	163581-026		10/24/2005	1651

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	28.944		25.000	1.000	U	116	%	70-132	
4-Chlorotoluene	ug/L	27.098		25.000	1.000	U	108	%	70-126	
tert-Butylbenzene	ug/L	28.517		25.000	1.000	U	114	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.718		25.000	1.000	U	115	%	71-131	
sec-Butylbenzene	ug/L	28.331		25.000	1.000	U	113	%	70-134	
p-Isopropyltoluene	ug/L	26.404		25.000	1.000	U	106	%	66-130	
n-Butylbenzene	ug/L	29.341		25.000	1.000	U	117	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	27.231		25.000	1.000	U	109	%	57-119	
1,2,3-Trichlorobenzene	ug/L	28.107		25.000	1.000	U	112	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241203 — Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163581-025		10/24/2005	1627

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdh
Method Description.: Volatile Organics — Batch.....: 163588

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241203 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163581-025		10/24/2005	1627

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000 U							
4-Chlorotoluene	ug/L	1.000 U							
tert-Butylbenzene	ug/L	1.000 U							
1,2,4-Trimethylbenzene	ug/L	1.000 U							
sec-Butylbenzene	ug/L	1.000 U							
p-Isopropyltoluene	ug/L	1.000 U							
n-Butylbenzene	ug/L	1.000 U							
1,2-Dibromo-3-chloropropane	ug/L	1.000 U							
1,2,3-Trichlorobenzene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

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Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PARK 317 USTICA RD. BOLTON LAKE, NY 12019
Phone: (518) 897-0390
Fax: (518) 897-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: 0MA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 3

Lab Lot# 241203

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 2.5

Sampler Name: M. JACKSON
Signature:
Project Name: GW Plume Delineation
Project Number: 0MA009-001
Project Location: MCA BARRACKS HUNTER AAF
Lab PM: LINDA MACKLEY
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Refrg #												
# / Cont.	3	3	1									
Volume	40ml	5g	4oz									
Preserv	HCl	none										

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs Encore 8260B	MOISTURE (% SOLIDS)	Additional Analyses / Remarks
		MCA-GW022-55-1005		0805	W	G	X			STANDARD TAT
		MCA-GW017-16-1005		0900						
		MCA-GW016-16-1005		~~0935~~						TIME 0935 3DAY TAT*
		MCA-GW016-30-1005		1005						STANDARD TAT
		MCA-GW018-16-1005		1240						
		MCA-GW028-16-1005		1435						
		MCA-S0010-7.5-1005		0845	S	C		X	X	
		MCA-S0009-7.5-1005		0915						
		MCA-S0011-7.5-1005		1225						
		MCA-S0015-7.5-1005		1420						
		MCA-GW015-16-1005		1545	W	G	X			
		MCA-GW015-30-1005		1615						

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-20-05			CTL	10/21/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10/21/05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241254

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/28/2005

Linda S Mackley
Signature

10-28-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (52) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241254
VOA DATA:

1. All samples were analyzed within the method required hold-time. The LCD for batch 163927 was analyzed 8 minutes past the 12 hour tune time. All other samples were analyzed within the 12 hour tune time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample 3. The MS and MSD samples had all five control spike recoveries within the QC limits.

5. The Method Blank for batch 163825 had one surrogate above the QAPP specified QC limits, but within the in house QC limits. Further corrective action was not required. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume.

John Nagel
GC/MS Dept.

10-28-05
Date

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S A M P L E I N F O R M A T I O N
Date: 10/28/2005

Job Number.: 241254
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241254-1	MCA-GW015-37-1005	Water	10/21/2005	08:40	10/22/2005	09:20
241254-2	MCA-GW013-16-1005	Water	10/21/2005	10:30	10/22/2005	09:20
241254-3	MCA-GW013-30-1005	Water	10/21/2005	10:30	10/22/2005	09:20
241254-4	MCA-GW013-45-1005	Water	10/21/2005	11:15	10/22/2005	09:20
241254-5	MCA-GW020-15-1005	Water	10/21/2005	13:00	10/22/2005	09:20
241254-6	MCA-GW020-30-1005	Water	10/21/2005	13:15	10/22/2005	09:20
241254-7	MCA-GW021-12-1005	Water	10/21/2005	16:00	10/22/2005	09:20
241254-8	MCA-GW021-30-1005	Water	10/21/2005	16:30	10/22/2005	09:20
241254-9	MCA-GW021-45-1005	Water	10/21/2005	17:05	10/22/2005	09:20

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-37-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 08:40
Sample Matrix.....: Water

Laboratory Sample ID: 241254-1
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Acetone	17		*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	cis-1,2-Dichloroethene	34			0.20	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Trichloroethene	0.84	J		0.13	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-37-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 08:40
Sample Matrix.....: Water

Laboratory Sample ID: 241254-1
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn

* In Description = Dry Wgt.

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Job Number: 241254

LABORATORY TEST RESULTS

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-37-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 08:40
Sample Matrix.....: Water

Laboratory Sample ID: 241254-1
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1653	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254 Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-16-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-2
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-16-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-2
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1716	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-16-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-2
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1716	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1716	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254 Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-3
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-3
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-3
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1738	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-45-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 241254-4
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-45-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 241254-4
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW013-45-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 241254-4
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163825		10/27/05 0336	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-15-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241254-5
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Acetone	6.4			1.4	5.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254 Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-15-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241254-5
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Toluene	2.9		H	0.18	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-15-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241254-5
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163825		10/27/05 0359	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254 Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 13:15
Sample Matrix.....: Water

Laboratory Sample ID: 241254-6
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	cis-1,2-Dichloroethene	3.2			0.20	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Trichloroethene	12			0.13	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 13:15
Sample Matrix.....: Water

Laboratory Sample ID: 241254-6
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1801	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 13:15
Sample Matrix.....: Water

Laboratory Sample ID: 241254-6
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1801	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1801	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-12-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241254-7
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-12-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241254-7
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254 Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-12-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241254-7
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1824	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254 Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-8
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Trichloroethene	1.2			0.13	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-8
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-30-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241254-8
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1847	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-45-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:05
Sample Matrix.....: Water

Laboratory Sample ID: 241254-9
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-45-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:05
Sample Matrix.....: Water

Laboratory Sample ID: 241254-9
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241254

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW021-45-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:05
Sample Matrix.....: Water

Laboratory Sample ID: 241254-9
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1909	jdn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 241254 Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241254-1 Client ID: MCA-GW015-37-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0142	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1653	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	163951	163927	10/27/2005 1653	1.00000

Lab ID: 241254-2 Client ID: MCA-GW013-16-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0205	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1716	
8260B	Volatile Organics	1	163951	163927	10/27/2005 1716	1.00000

Lab ID: 241254-3 Client ID: MCA-GW013-30-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0228	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1738	
8260B	Volatile Organics	1	163951	163927	10/27/2005 1738	1.00000

Lab ID: 241254-4 Client ID: MCA-GW013-45-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0336	
8260B	Volatile Organics	1	163825	163816	10/27/2005 0336	1.00000

Lab ID: 241254-5 Client ID: MCA-GW020-15-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0359	
8260B	Volatile Organics	1	163825	163816	10/27/2005 0359	1.00000

Lab ID: 241254-6 Client ID: MCA-GW020-30-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0421	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1801	
8260B	Volatile Organics	1	163951	163927	10/27/2005 1801	1.00000

Lab ID: 241254-7 Client ID: MCA-GW021-12-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0444	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1824	
8260B	Volatile Organics	1	163951	163927	10/27/2005 1824	1.00000

Lab ID: 241254-8 Client ID: MCA-GW021-30-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0507	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1847	
8260B	Volatile Organics	1	163951	163927	10/27/2005 1847	1.00000

Lab ID: 241254-9 Client ID: MCA-GW021-45-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163816		10/27/2005 0529	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005 1909	
8260B	Volatile Organics	1	163951	163927	10/27/2005 1909	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163816
Method Code...: 8260B Batch(s).....: 163825 163951

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/26/2005	116	104	103	98
MB			10/26/2005	124*	91	105	98
241254- 3	MS	MCA-GW013-30-1005	10/27/2005	117	104	102	101
241254- 3	MSD	MCA-GW013-30-1005	10/27/2005	116	103	101	99
241254- 4		MCA-GW013-45-1005	10/27/2005	120	93	103	99
241254- 5		MCA-GW020-15-1005	10/27/2005	120	91	103	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163927
Method Code...: 8260B Batch(s).....: 163951

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	93	98	103	100
LCS			10/27/2005	108	102	105	101
MB			10/27/2005	108	91	108	96
241254- 1		MCA-GW015-37-1005	10/27/2005	106	94	95	99
241254- 2		MCA-GW013-16-1005	10/27/2005	108	90	102	96
241254- 3		MCA-GW013-30-1005	10/27/2005	107	90	99	96
241254- 6		MCA-GW020-30-1005	10/27/2005	112	94	101	98
241254- 7		MCA-GW021-12-1005	10/27/2005	112	92	103	98
241254- 8		MCA-GW021-30-1005	10/27/2005	113	92	104	99
241254- 9		MCA-GW021-45-1005	10/27/2005	114	91	109	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J260SA	163816-019		10/26/2005	2303

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163825

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.486		25.000	1.000 U	62	%	24-171	
Chloromethane	ug/L	17.239		25.000	1.000 U	69	%	31-182	
Vinyl chloride	ug/L	24.130		25.000	1.000 U	97	%	50-145	
Bromomethane	ug/L	29.404		25.000	1.000 U	118	%	31-188	
Chloroethane	ug/L	29.817		25.000	1.000 U	119	%	58-148	
Trichlorofluoromethane	ug/L	35.234		25.000	1.000 U	141	%	54-142	
1,1-Dichloroethene	ug/L	22.616		25.000	1.000 U	90	%	51-136	
Carbon disulfide	ug/L	18.915		25.000	5.000 U	76	%	21-111	
Acetone	ug/L	32.185		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	22.513		25.000	1.000 U	90	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.638		25.000	1.000 U	95	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.153		25.000	1.000 U	105	%	55-142	
1,1-Dichloroethane	ug/L	24.694		25.000	1.000 U	99	%	70-124	
2,2-Dichloropropane	ug/L	28.493		25.000	1.000 U	114	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.170		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	26.301		25.000	5.000 U	105	%	29-139	
Bromochloromethane	ug/L	25.261		25.000	1.000 U	101	%	57-116	
Chloroform	ug/L	27.544		25.000	1.000 U	110	%	75-122	
1,1,1-Trichloroethane	ug/L	29.955		25.000	1.000 U	120	%	70-127	
1,1-Dichloropropene	ug/L	24.429		25.000	1.000 U	98	%	70-125	
Carbon tetrachloride	ug/L	31.851		25.000	1.000 U	127	%	64-132	
Benzene	ug/L	24.030		25.000	1.000 U	96	%	75-122	
1,2-Dichloroethane	ug/L	29.140		25.000	1.000 U	117	%	67-120	
Trichloroethene	ug/L	24.834		25.000	1.000 U	99	%	70-125	
1,2-Dichloropropane	ug/L	23.065		25.000	1.000 U	92	%	76-116	
Dibromomethane	ug/L	25.490		25.000	1.000 U	102	%	68-116	
Bromodichloromethane	ug/L	30.260		25.000	1.000 U	121	%	75-125	
cis-1,3-Dichloropropene	ug/L	26.337		26.000	1.000 U	101	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.664		25.000	5.000 U	103	%	39-137	
Toluene	ug/L	25.778		25.000	1.000 U	103	%	77-120	
trans-1,3-Dichloropropene	ug/L	25.673		24.000	1.000 U	107	%	68-119	
1,1,2-Trichloroethane	ug/L	25.546		25.000	1.000 U	102	%	63-127	
Tetrachloroethene	ug/L	26.111		25.000	1.000 U	104	%	45-150	
1,3-Dichloropropane	ug/L	24.872		25.000	1.000 U	99	%	72-118	
2-Hexanone	ug/L	23.339		25.000	5.000 U	93	%	36-144	
Dibromochloromethane	ug/L	28.682		25.000	1.000 U	115	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	25.528		25.000	1.000 U	102	%	62-123	
Chlorobenzene	ug/L	24.675		25.000	1.000 U	99	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	29.226		25.000	1.000 U	117	%	77-120	
Ethylbenzene	ug/L	25.778		25.000	1.000 U	103	%	75-125	
m&p-Xylenes	ug/L	55.915		50.000	2.000 U	112	%	75-123	
o-Xylene	ug/L	28.016		25.000	1.000 U	112	%	76-121	
Styrene	ug/L	24.841		25.000	1.000 U	99	%	77-128	
Bromoform	ug/L	29.702		25.000	1.000 U	119	%	65-115	*
Isopropylbenzene	ug/L	22.552		25.000	1.000 U	90	%	64-119	
Bromobenzene	ug/L	24.582		25.000	1.000 U	98	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.868		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	24.674		25.000	1.000 U	99	%	62-124	
n-Propylbenzene	ug/L	22.956		25.000	1.000 U	92	%	69-132	
2-Chlorotoluene	ug/L	25.881		25.000	1.000 U	104	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J26DSA	163816-019		10/26/2005	2303

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.289		25.000	1.000 U	97	%	70-132	
4-Chlorotoluene	ug/L	26.089		25.000	1.000 U	104	%	70-126	
tert-Butylbenzene	ug/L	23.637		25.000	1.000 U	95	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.397		25.000	1.000 U	98	%	71-131	
sec-Butylbenzene	ug/L	23.047		25.000	1.000 U	92	%	70-134	
p-Isopropyltoluene	ug/L	22.963		25.000	1.000 U	92	%	66-130	
n-Butylbenzene	ug/L	22.814		25.000	1.000 U	91	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.340		25.000	1.000 U	93	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.574		25.000	1.000 U	94	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163816-018		10/26/2005	2240

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163825

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163816-018		10/26/2005	2240

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163951

LCD	Laboratory Control Sample Duplicate	V05J270SA	163927-024		10/28/2005 0005

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	3.873	3.941	25.000	0.706 J	15	%	24-171	*
						2	R	20	
Chloromethane	ug/L	11.972	12.385	25.000	1.000 U	48	%	31-182	
						3	R	20	
Vinyl chloride	ug/L	14.954	15.196	25.000	1.000 U	60	%	50-145	
						2	R	20	
Bromomethane	ug/L	18.656	22.176	25.000	1.000 U	75	%	31-188	
						17	R	20	
Chloroethane	ug/L	20.769	20.516	25.000	1.000 U	83	%	58-148	
						1	R	20	
Trichlorofluoromethane	ug/L	15.312	16.632	25.000	1.000 U	61	%	54-142	
						8	R	20	
1,1-Dichloroethene	ug/L	19.037	18.343	25.000	1.000 U	76	%	51-136	
						4	R	20	
Carbon disulfide	ug/L	16.429	16.196	25.000	5.000 U	66	%	21-111	
						1	R	20	
Acetone	ug/L	26.336	32.438	25.000	5.000 U	105	%	14-177	
						21	R	20	*
Methylene chloride	ug/L	22.898	22.737	25.000	1.000 U	92	%	64-127	
						1	R	20	
trans-1,2-Dichloroethene	ug/L	22.309	21.521	25.000	1.000 U	89	%	62-138	
						4	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.890	25.574	25.000	1.000 U	100	%	55-142	
						3	R	20	
1,1-Dichloroethane	ug/L	22.792	22.325	25.000	1.000 U	91	%	70-124	
						2	R	20	
2,2-Dichloropropane	ug/L	21.659	24.504	25.000	1.000 U	87	%	68-127	
						12	R	20	
cis-1,2-Dichloroethene	ug/L	24.408	23.354	25.000	1.000 U	98	%	70-125	
						4	R	20	
2-Butanone (MEK)	ug/L	24.889	27.583	25.000	5.000 U	100	%	29-139	
						10	R	20	
Bromochloromethane	ug/L	24.478	24.518	25.000	1.000 U	98	%	57-116	
						0	R	20	
Chloroform	ug/L	23.807	24.312	25.000	1.000 U	95	%	75-122	
						2	R	20	
1,1,1-Trichloroethane	ug/L	22.819	23.844	25.000	1.000 U	91	%	70-127	
						4	R	20	
1,1-Dichloropropene	ug/L	21.242	20.865	25.000	1.000 U	85	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	19.841	21.932	25.000	1.000 U	79	%	64-132	
						10	R	20	
Benzene	ug/L	21.754	21.619	25.000	1.000 U	87	%	75-122	
						1	R	20	
1,2-Dichloroethane	ug/L	20.728	23.867	25.000	1.000 U	83	%	67-120	
						14	R	20	
Trichloroethene	ug/L	21.523	22.021	25.000	1.000 U	86	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	22.111	22.210	25.000	1.000 U	88	%	76-116	
						0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163927-024		10/28/2005	0005

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.754	23.692	25.000	1.000 U	87 9	% R	68-116 20	
Bromodichloromethane	ug/L	24.128	26.168	25.000	1.000 U	97 8	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	23.258	25.204	26.000	1.000 U	89 8	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.378	24.502	25.000	5.000 U	94 5	% R	39-137 20	
Toluene	ug/L	22.995	23.076	25.000	1.000 U	92 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	21.048	23.325	24.000	1.000 U	88 10	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.934	26.181	25.000	1.000 U	100 5	% R	63-127 20	
Tetrachloroethene	ug/L	20.541	21.231	25.000	1.000 U	82 3	% R	45-150 20	
1,3-Dichloropropane	ug/L	22.431	23.544	25.000	1.000 U	90 5	% R	72-118 20	
2-Hexanone	ug/L	21.540	22.278	25.000	5.000 U	86 3	% R	36-144 20	
Dibromochloromethane	ug/L	23.219	25.150	25.000	1.000 U	93 8	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	22.815	24.719	25.000	1.000 U	91 8	% R	62-123 20	
Chlorobenzene	ug/L	21.770	21.829	25.000	1.000 U	87 0	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.611	24.857	25.000	1.000 U	94 5	% R	77-120 20	
Ethylbenzene	ug/L	22.366	22.458	25.000	1.000 U	89 0	% R	75-125 20	
m&p-Xylenes	ug/L	46.080	47.270	50.000	2.000 U	92 3	% R	75-123 20	
o-Xylene	ug/L	23.728	24.062	25.000	1.000 U	95 1	% R	76-121 20	
Styrene	ug/L	22.078	22.251	25.000	1.000 U	88 1	% R	77-128 20	
Bromoform	ug/L	23.585	26.377	25.000	1.000 U	94 11	% R	65-115 20	
Isopropylbenzene	ug/L	21.029	19.547	25.000	1.000 U	84 7	% R	64-119 20	
Bromobenzene	ug/L	23.888	23.291	25.000	1.000 U	96 3	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	22.778	22.330	25.000	1.000 U	91 2	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	23.445	24.612	25.000	1.000 U	94 5	% R	62-124 20	
n-Propylbenzene	ug/L	20.838	19.671	25.000	1.000 U	83 6	% R	69-132 20	
2-Chlorotoluene	ug/L	23.767	22.914	25.000	1.000 U	95 4	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	21.816	21.243	25.000	1.000 U	87 3	% R	70-132 20	
4-Chlorotoluene	ug/L	22.935	22.603	25.000	1.000 U	92 1	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163927-024		10/28/2005	0005

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.433	19.950	25.000	1.000	U	86 7	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	21.945	21.523	25.000	1.000	U	88 2	% R	71-131 20	
sec-Butylbenzene	ug/L	20.400	19.000	25.000	1.000	U	82 7	% R	70-134 20	
p-Isopropyltoluene	ug/L	19.857	19.332	25.000	1.000	U	79 3	% R	66-130 20	
n-Butylbenzene	ug/L	19.716	19.286	25.000	1.000	U	79 2	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	21.822	20.607	25.000	1.000	U	87 6	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	23.263	23.798	25.000	1.000	U	93 2	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163927-023		10/27/2005	1414

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 163951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	3.941		25.000	0.706 J	16	%	24-171	*
Chloromethane	ug/L	12.385		25.000	1.000 U	50	%	31-182	
Vinyl chloride	ug/L	15.196		25.000	1.000 U	61	%	50-145	
Bromomethane	ug/L	22.176		25.000	1.000 U	89	%	31-188	
Chloroethane	ug/L	20.516		25.000	1.000 U	82	%	58-148	
Trichlorofluoromethane	ug/L	16.632		25.000	1.000 U	67	%	54-142	
1,1-Dichloroethene	ug/L	18.343		25.000	1.000 U	73	%	51-136	
Carbon disulfide	ug/L	16.196		25.000	5.000 U	65	%	21-111	
Acetone	ug/L	32.438		25.000	5.000 U	130	%	14-177	
Methylene chloride	ug/L	22.737		25.000	1.000 U	91	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.521		25.000	1.000 U	86	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.574		25.000	1.000 U	102	%	55-142	
1,1-Dichloroethane	ug/L	22.325		25.000	1.000 U	89	%	70-124	
2,2-Dichloropropane	ug/L	24.504		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.354		25.000	1.000 U	93	%	70-125	
2-Butanone (MEK)	ug/L	27.583		25.000	5.000 U	110	%	29-139	
Bromochloromethane	ug/L	24.518		25.000	1.000 U	98	%	57-116	
Chloroform	ug/L	24.312		25.000	1.000 U	97	%	75-122	
1,1,1-Trichloroethane	ug/L	23.844		25.000	1.000 U	95	%	70-127	
1,1-Dichloropropene	ug/L	20.865		25.000	1.000 U	83	%	70-125	
Carbon tetrachloride	ug/L	21.932		25.000	1.000 U	88	%	64-132	
Benzene	ug/L	21.619		25.000	1.000 U	86	%	75-122	
1,2-Dichloroethane	ug/L	23.867		25.000	1.000 U	95	%	67-120	
Trichloroethene	ug/L	22.021		25.000	1.000 U	88	%	70-125	
1,2-Dichloropropane	ug/L	22.210		25.000	1.000 U	89	%	76-116	
Dibromomethane	ug/L	23.692		25.000	1.000 U	95	%	68-116	
Bromodichloromethane	ug/L	26.168		25.000	1.000 U	105	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.204		26.000	1.000 U	97	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.502		25.000	5.000 U	98	%	39-137	
Toluene	ug/L	23.076		25.000	1.000 U	92	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.325		24.000	1.000 U	97	%	68-119	
1,1,2-Trichloroethane	ug/L	26.181		25.000	1.000 U	105	%	63-127	
Tetrachloroethene	ug/L	21.231		25.000	1.000 U	85	%	45-150	
1,3-Dichloropropane	ug/L	23.544		25.000	1.000 U	94	%	72-118	
2-Hexanone	ug/L	22.278		25.000	5.000 U	89	%	36-144	
Dibromochloromethane	ug/L	25.150		25.000	1.000 U	101	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.719		25.000	1.000 U	99	%	62-123	
Chlorobenzene	ug/L	21.829		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.857		25.000	1.000 U	99	%	77-120	
Ethylbenzene	ug/L	22.458		25.000	1.000 U	90	%	75-125	
m&p-Xylenes	ug/L	47.270		50.000	2.000 U	95	%	75-123	
o-Xylene	ug/L	24.062		25.000	1.000 U	96	%	76-121	
Styrene	ug/L	22.251		25.000	1.000 U	89	%	77-128	
Bromoform	ug/L	26.377		25.000	1.000 U	106	%	65-115	
Isopropylbenzene	ug/L	19.547		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	23.291		25.000	1.000 U	93	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.330		25.000	1.000 U	89	%	61-122	
1,2,3-Trichloropropane	ug/L	24.612		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	19.671		25.000	1.000 U	79	%	69-132	
2-Chlorotoluene	ug/L	22.914		25.000	1.000 U	92	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254

Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163927-023		10/27/2005	1414

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.243		25.000	1.000 U	85	%	70-132	
4-Chlorotoluene	ug/L	22.603		25.000	1.000 U	90	%	70-126	
tert-Butylbenzene	ug/L	19.950		25.000	1.000 U	80	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.523		25.000	1.000 U	86	%	71-131	
sec-Butylbenzene	ug/L	19.000		25.000	1.000 U	76	%	70-134	
p-Isopropyltoluene	ug/L	19.332		25.000	1.000 U	77	%	66-130	
n-Butylbenzene	ug/L	19.286		25.000	1.000 U	77	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.607		25.000	1.000 U	82	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.798		25.000	1.000 U	95	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 — Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163927-022		10/27/2005	1351

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163951

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	0.706	J							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163927-022		10/27/2005	1351

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 — Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J270SA	241254-3		10/27/2005	0250

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	13.497		25.000	1.000 U	54	%	24-171	
Chloromethane	ug/L	16.025		25.000	1.000 U	64	%	31-182	
Vinyl chloride	ug/L	21.643		25.000	1.000 U	87	%	50-145	
Bromomethane	ug/L	24.964		25.000	1.000 U	100	%	31-188	
Chloroethane	ug/L	26.119		25.000	1.000 U	104	%	58-148	
Trichlorofluoromethane	ug/L	31.821		25.000	1.000 U	127	%	54-142	
1,1-Dichloroethene	ug/L	21.730		25.000	1.000 U	87	%	51-136	
Carbon disulfide	ug/L	18.048		25.000	5.000 U	72	%	21-111	
Acetone	ug/L	35.272		25.000	5.000 U	141	%	14-177	
Methylene chloride	ug/L	22.660		25.000	1.000 U	91	%	64-127	
trans-1,2-Dichloroethene	ug/L	22.902		25.000	1.000 U	92	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.502		25.000	1.000 U	98	%	55-142	
1,1-Dichloroethane	ug/L	23.489		25.000	1.000 U	94	%	70-124	
2,2-Dichloropropane	ug/L	26.409		25.000	1.000 U	106	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.124		25.000	1.000 U	92	%	70-125	
2-Butanone (MEK)	ug/L	25.274		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	24.276		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	25.855		25.000	1.000 U	103	%	75-122	
1,1,1-Trichloroethane	ug/L	28.902		25.000	1.000 U	116	%	70-127	
1,1-Dichloropropene	ug/L	23.522		25.000	1.000 U	94	%	70-125	
Carbon tetrachloride	ug/L	31.548		25.000	1.000 U	126	%	64-132	
Benzene	ug/L	23.357		25.000	1.000 U	93	%	75-122	
1,2-Dichloroethane	ug/L	28.147		25.000	1.000 U	113	%	67-120	
Trichloroethene	ug/L	24.721		25.000	1.000 U	99	%	70-125	
1,2-Dichloropropane	ug/L	23.028		25.000	1.000 U	92	%	76-116	
Dibromomethane	ug/L	24.734		25.000	1.000 U	99	%	68-116	
Bromodichloromethane	ug/L	30.162		25.000	1.000 U	121	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.675		26.000	1.000 U	95	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.857		25.000	5.000 U	99	%	39-137	
Toluene	ug/L	25.184		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	24.744		24.000	1.000 U	103	%	68-119	
1,1,2-Trichloroethane	ug/L	24.162		25.000	1.000 U	97	%	63-127	
Tetrachloroethene	ug/L	25.403		25.000	1.000 U	102	%	45-150	
1,3-Dichloropropane	ug/L	24.342		25.000	1.000 U	97	%	72-118	
2-Hexanone	ug/L	23.385		25.000	5.000 U	94	%	36-144	
Dibromochloromethane	ug/L	27.992		25.000	1.000 U	112	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	25.062		25.000	1.000 U	100	%	62-123	
Chlorobenzene	ug/L	23.991		25.000	1.000 U	96	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	28.606		25.000	1.000 U	114	%	77-120	
Ethylbenzene	ug/L	25.005		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	54.717		50.000	2.000 U	109	%	75-123	
o-Xylene	ug/L	27.191		25.000	1.000 U	109	%	76-121	
Styrene	ug/L	24.301		25.000	1.000 U	97	%	77-128	
Bromoform	ug/L	29.495		25.000	1.000 U	118	%	65-115	*
Isopropylbenzene	ug/L	21.531		25.000	1.000 U	86	%	64-119	
Bromobenzene	ug/L	23.524		25.000	1.000 U	94	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.281		25.000	1.000 U	89	%	61-122	
1,2,3-Trichloropropane	ug/L	23.838		25.000	1.000 U	95	%	62-124	
n-Propylbenzene	ug/L	22.007		25.000	1.000 U	88	%	69-132	
2-Chlorotoluene	ug/L	24.726		25.000	1.000 U	99	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J27DSA	241254-3		10/27/2005	0250

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.464		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	25.162		25.000	1.000 U	101	%	70-126	
tert-Butylbenzene	ug/L	22.749		25.000	1.000 U	91	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.572		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	22.084		25.000	1.000 U	88	%	70-134	
p-Isopropyltoluene	ug/L	21.992		25.000	1.000 U	88	%	66-130	
n-Butylbenzene	ug/L	22.224		25.000	1.000 U	89	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	22.236		25.000	1.000 U	89	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.653		25.000	1.000 U	95	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254

Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J27DSA	241254-3		10/27/2005	0313

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163951

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	13.876	13.497	25.000	1.000 U	56	%	24-171	
						4	R	20	
Chloromethane	ug/L	17.009	16.025	25.000	1.000 U	68	%	31-182	
						6	R	20	
Vinyl chloride	ug/L	23.145	21.643	25.000	1.000 U	93	%	50-145	
						7	R	20	
Bromomethane	ug/L	27.630	24.964	25.000	1.000 U	111	%	31-188	
						10	R	20	
Chloroethane	ug/L	26.515	26.119	25.000	1.000 U	106	%	58-148	
						2	R	20	
Trichlorofluoromethane	ug/L	31.933	31.821	25.000	1.000 U	128	%	54-142	
						1	R	20	
1,1-Dichloroethene	ug/L	22.120	21.730	25.000	1.000 U	88	%	51-136	
						1	R	20	
Carbon disulfide	ug/L	18.834	18.048	25.000	5.000 U	75	%	21-111	
						4	R	20	
Acetone	ug/L	30.576	35.272	25.000	5.000 U	122	%	14-177	
						14	R	20	
Methylene chloride	ug/L	21.638	22.660	25.000	1.000 U	87	%	64-127	
						4	R	20	
trans-1,2-Dichloroethene	ug/L	23.493	22.902	25.000	1.000 U	94	%	62-138	
						2	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.598	24.502	25.000	1.000 U	98	%	55-142	
						0	R	20	
1,1-Dichloroethane	ug/L	24.134	23.489	25.000	1.000 U	97	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	27.680	26.409	25.000	1.000 U	111	%	68-127	
						5	R	20	
cis-1,2-Dichloroethene	ug/L	24.510	23.124	25.000	1.000 U	98	%	70-125	
						6	R	20	
2-Butanone (MEK)	ug/L	27.631	25.274	25.000	5.000 U	111	%	29-139	
						9	R	20	
Bromochloromethane	ug/L	23.466	24.276	25.000	1.000 U	94	%	57-116	
						3	R	20	
Chloroform	ug/L	26.892	25.855	25.000	1.000 U	108	%	75-122	
						5	R	20	
1,1,1-Trichloroethane	ug/L	29.580	28.902	25.000	1.000 U	118	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	24.440	23.522	25.000	1.000 U	98	%	70-125	
						4	R	20	
Carbon tetrachloride	ug/L	31.925	31.548	25.000	1.000 U	128	%	64-132	
						2	R	20	
Benzene	ug/L	24.084	23.357	25.000	1.000 U	96	%	75-122	
						3	R	20	
1,2-Dichloroethane	ug/L	28.334	28.147	25.000	1.000 U	113	%	67-120	
						0	R	20	
Trichloroethene	ug/L	25.367	24.721	25.000	1.000 U	101	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	23.690	23.028	25.000	1.000 U	95	%	76-116	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J27DSA	241254-3		10/27/2005	0313

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	25.674	24.734	25.000	1.000 U	103	%	68-116	
						4	R	20	
Bromodichloromethane	ug/L	29.647	30.162	25.000	1.000 U	119	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	25.656	24.675	26.000	1.000 U	99	%	72-115	
						4	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.922	24.857	25.000	5.000 U	104	%	39-137	
						5	R	20	
Toluene	ug/L	26.152	25.184	25.000	1.000 U	105	%	77-120	
						4	R	20	
trans-1,3-Dichloropropene	ug/L	25.548	24.744	24.000	1.000 U	106	%	68-119	
						3	R	20	
1,1,2-Trichloroethane	ug/L	25.218	24.162	25.000	1.000 U	101	%	63-127	
						4	R	20	
Tetrachloroethene	ug/L	26.584	25.403	25.000	1.000 U	106	%	45-150	
						4	R	20	
1,3-Dichloropropane	ug/L	24.972	24.342	25.000	1.000 U	100	%	72-118	
						3	R	20	
2-Hexanone	ug/L	24.444	23.385	25.000	5.000 U	98	%	36-144	
						4	R	20	
Dibromochloromethane	ug/L	28.972	27.992	25.000	1.000 U	116	%	73-116	
						4	R	20	
1,2-Dibromoethane (EDB)	ug/L	26.505	25.062	25.000	1.000 U	106	%	62-123	
						6	R	20	
Chlorobenzene	ug/L	24.460	23.991	25.000	1.000 U	98	%	76-116	
						2	R	20	
1,1,1,2-Tetrachloroethane	ug/L	29.066	28.606	25.000	1.000 U	116	%	77-120	
						2	R	20	
Ethylbenzene	ug/L	25.821	25.005	25.000	1.000 U	103	%	75-125	
						3	R	20	
m&p-Xylenes	ug/L	55.427	54.717	50.000	2.000 U	111	%	75-123	
						2	R	20	
o-Xylene	ug/L	27.952	27.191	25.000	1.000 U	112	%	76-121	
						3	R	20	
Styrene	ug/L	24.744	24.301	25.000	1.000 U	99	%	77-128	
						2	R	20	
Bromoform	ug/L	28.746	29.495	25.000	1.000 U	115	%	65-115	
						3	R	20	
Isopropylbenzene	ug/L	23.208	21.531	25.000	1.000 U	93	%	64-119	
						8	R	20	
Bromobenzene	ug/L	25.230	23.524	25.000	1.000 U	101	%	76-118	
						7	R	20	
1,1,2,2-Tetrachloroethane	ug/L	23.310	22.281	25.000	1.000 U	93	%	61-122	
						4	R	20	
1,2,3-Trichloropropane	ug/L	25.382	23.838	25.000	1.000 U	102	%	62-124	
						7	R	20	
n-Propylbenzene	ug/L	23.606	22.007	25.000	1.000 U	94	%	69-132	
						7	R	20	
2-Chlorotoluene	ug/L	26.236	24.726	25.000	1.000 U	105	%	70-127	
						6	R	20	
1,3,5-Trimethylbenzene	ug/L	24.720	23.464	25.000	1.000 U	99	%	70-132	
						5	R	20	
4-Chlorotoluene	ug/L	26.309	25.162	25.000	1.000 U	105	%	70-126	
						4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241254 Report Date.: 10/28/2005

CUSTOMER: HydroGeologic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J27DSA	241254-3		10/27/2005	0313

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.828	22.749	25.000	1.000 U	95 4	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	25.148	23.572	25.000	1.000 U	101 7	% R	71-131 20	
sec-Butylbenzene	ug/L	23.051	22.084	25.000	1.000 U	92 4	% R	70-134 20	
p-Isopropyltoluene	ug/L	23.157	21.992	25.000	1.000 U	93 6	% R	66-130 20	
n-Butylbenzene	ug/L	23.250	22.224	25.000	1.000 U	93 4	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	24.741	22.236	25.000	1.000 U	99 11	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	24.746	23.653	25.000	1.000 U	99 4	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
$	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

`	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
`	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT STL

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Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Pk
312 Ushers Rd
Ballston Lake, NY 12019
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Fax: (518) 877-0464
E-Mail: EEvans@HGL.com

Bill To:
Contact: Same
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 241254

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 3.2

Sampler Name: M. Jackson
Signature: Michael D Jackson
Project Name: MCA Barracks – Hunter AAF
Project Number: OMA009-001-02-01-02
Project Location: Bw Flume Delineation
Lab PM: Linda Markley
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Refrg #											
# / Cont.	3										
Volume	40ml										
Preserv	HCl										

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW-16-39-1005	10-21-05	0815	GW	G	X	STANDARD TAT
1		MCA-GW-15-37-1005		0845				3 DAY TAT
2		MCA-GW-13-16-1005		1030				
3		MCA-GW-13-30-1005		1030				
		MCA-GW-13MS-30-1005		1030				STANDARD TAT
		MCA-GW-13MSD-30-1005		1030				
4		MCA-GW-13-45-1005		1115				3 DAY TAT
5		MCA-GW-24-45-1005		1300				
6		MCA-GW-24-30-1005		1315				
7		MCA-GW-21-12-1005		1600				
8		MCA-GW-21-30-1005		1630				
9		MCA-GW-21-45-1005		1705				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	HGL	10-21-05	1830	[signature]	SR	10/22/05	0920
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10/22/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241253

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/07/2005

Linda S Mackley
Signature

11-7-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (22) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc./OMA009-001-02-01-02
Job Number: 241253
VOA DATA:

1. All original samples were analyzed within hold-time. The sample -2 was re-analyzed 2 hours past the 14-day hold time from collection for a surrogate check.

2. The MB (Method Blank) sample had all analytes undetected.

3. The LCS (Laboratory Control Sample) sample had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed.

5. The MB and sample -2 had one surrogate recovery above the QC limits. Sample -2 was re-analyzed 2 hours past the 14-day hold time from collection. All surrogates were within the QC limits in the re-analysis. Both analyses had similar target results. The original analysis for -2 was reported. All other samples had all surrogate recoveries within the QC limits.

6. All samples had all internal standard areas and retention times within SOP acceptance limits as compared to the corresponding calibration verification standard.

7. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

Gary Rynkar
GC/MS Section Manager

11/7/15
Date

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SAMPLE INFORMATION
Date: 11/07/2005

Job Number.: 241253
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description...: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241253-1	MCA-GW016-39-1005	Water	10/21/2005	08:15	10/22/2005	09:20
241253-2	EB102105	Water	10/21/2005	17:15	10/22/2005	09:20
241253-3	TB102105	Water	10/21/2005	17:36	10/22/2005	09:20

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LABORATORY TEST RESULTS

Job Number: 241253

Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-39-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 08:15
Sample Matrix.....: Water

Laboratory Sample ID: 241253-1
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Acetone	46			1.4	5.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	2-Butanone (MEK)	5.2			1.0	5.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn

* In Description = Dry Wgt.

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Job Number: 241253

LABORATORY TEST RESULTS

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-39-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 08:15
Sample Matrix.....: Water

Laboratory Sample ID: 241253-1
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn

* In Description = Dry Wgt.

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Job Number: 241253

LABORATORY TEST RESULTS

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-39-1005
Date Sampled.....: 10/21/2005
Time Sampled.....: 08:15
Sample Matrix.....: Water

Laboratory Sample ID: 241253-1
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1338	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241253

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OHA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB102105
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:15
Sample Matrix.....: Water

Laboratory Sample ID: 241253-2
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Acetone	9.1			1.4	5.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn

* In Description = Dry Wgt.

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Job Number: 241253

LABORATORY TEST RESULTS

Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB102105
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:15
Sample Matrix.....: Water

Laboratory Sample ID: 241253-2
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	m&p-Xylenes	1.5	J		0.36	2.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn

* In Description = Dry Wgt.

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Job Number: 241253

LABORATORY TEST RESULTS

Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OHA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB102105
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:15
Sample Matrix.....: Water

Laboratory Sample ID: 241253-2
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1423	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241253

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB102105
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:36
Sample Matrix.....: Water

Laboratory Sample ID: 241253-3
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241253

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB102105
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:36
Sample Matrix.....: Water

Laboratory Sample ID: 241253-3
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241253

LABORATORY TEST RESULTS

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB102105
Date Sampled.....: 10/21/2005
Time Sampled.....: 17:36
Sample Matrix.....: Water

Laboratory Sample ID: 241253-3
Date Received.....: 10/22/2005
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1446	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241253 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241253-1 Client ID: MCA-GW016-39-1005 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005	1338	
5030B	5030 10 mL Purge Prep	2	164586		11/03/2005	1401	
5030B	5030 10 mL Purge Prep	3	164797		11/04/2005	1842	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164588	164586	11/03/2005	1338	1.00000

Lab ID: 241253-2 Client ID: EB102105 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005	1423	
5030B	5030 10 mL Purge Prep	2	164797		11/04/2005	1905	
8260B	Volatile Organics	1	164588	164586	11/03/2005	1423	1.00000

Lab ID: 241253-3 Client ID: TB102105 Date Recvd: 10/22/2005 Sample Date: 10/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005	1446	
5030B	5030 10 mL Purge Prep	2	164660		11/03/2005	2230	
8260B	Volatile Organics	1	164588	164586	11/03/2005	1446	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241253 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164586
Method Code...: 8260B Batch(s).....: 164588

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	113	102	109	105
MB			11/03/2005	124*	95	114	104
241253- 1		MCA-GW016-39-1005	11/03/2005	118	95	101	99
241253- 2		EB102105	11/03/2005	122*	93	105	101
241253- 3		TB102105	11/03/2005	119	91	106	102

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241253 — Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164586-012		11/03/2005	0950

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164588

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.550		25.000	1.000 U	46	%	24-171	
Chloromethane	ug/L	20.152		25.000	1.000 U	81	%	31-182	
Vinyl chloride	ug/L	22.036		25.000	1.000 U	88	%	50-145	
Bromomethane	ug/L	26.207		25.000	1.000 U	105	%	31-188	
Chloroethane	ug/L	26.065		25.000	1.000 U	104	%	58-148	
Trichlorofluoromethane	ug/L	20.065		25.000	1.000 U	80	%	54-142	
1,1-Dichloroethene	ug/L	20.684		25.000	1.000 U	83	%	51-136	
Carbon disulfide	ug/L	18.889		25.000	5.000 U	76	%	21-111	
Acetone	ug/L	38.154		25.000	5.000 U	153	%	14-177	
Methylene chloride	ug/L	23.090		25.000	1.000 U	92	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.428		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.031		25.000	1.000 U	100	%	55-142	
1,1-Dichloroethane	ug/L	23.224		25.000	1.000 U	93	%	70-124	
2,2-Dichloropropane	ug/L	26.993		25.000	1.000 U	108	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.584		25.000	1.000 U	94	%	70-125	
2-Butanone (MEK)	ug/L	24.630		25.000	5.000 U	99	%	29-139	
Bromochloromethane	ug/L	25.558		25.000	1.000 U	102	%	57-116	
Chloroform	ug/L	25.987		25.000	1.000 U	104	%	75-122	
1,1,1-Trichloroethane	ug/L	26.916		25.000	1.000 U	108	%	70-127	
1,1-Dichloropropene	ug/L	21.595		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	26.529		25.000	1.000 U	106	%	64-132	
Benzene	ug/L	22.853		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	25.970		25.000	1.000 U	104	%	67-120	
Trichloroethene	ug/L	23.998		25.000	1.000 U	96	%	70-125	
1,2-Dichloropropane	ug/L	21.789		25.000	1.000 U	87	%	76-116	
Dibromomethane	ug/L	23.957		25.000	1.000 U	96	%	68-116	
Bromodichloromethane	ug/L	28.153		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.843		26.000	1.000 U	96	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	20.625		25.000	5.000 U	83	%	39-137	
Toluene	ug/L	24.569		25.000	1.000 U	98	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.664		24.000	1.000 U	99	%	68-119	
1,1,2-Trichloroethane	ug/L	24.632		25.000	1.000 U	99	%	63-127	
Tetrachloroethene	ug/L	24.149		25.000	1.000 U	97	%	45-150	
1,3-Dichloropropane	ug/L	23.116		25.000	1.000 U	92	%	72-118	
2-Hexanone	ug/L	20.208		25.000	5.000 U	81	%	36-144	
Dibromochloromethane	ug/L	26.952		25.000	1.000 U	108	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	23.576		25.000	1.000 U	94	%	62-123	
Chlorobenzene	ug/L	23.270		25.000	1.000 U	93	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.108		25.000	1.000 U	108	%	77-120	
Ethylbenzene	ug/L	23.297		25.000	1.000 U	93	%	75-125	
m&p-Xylenes	ug/L	50.647		50.000	2.000 U	101	%	75-123	
o-Xylene	ug/L	25.497		25.000	1.000 U	102	%	76-121	
Styrene	ug/L	22.222		25.000	1.000 U	89	%	77-128	
Bromoform	ug/L	27.150		25.000	1.000 U	109	%	65-115	
Isopropylbenzene	ug/L	20.869		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	24.879		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.381		25.000	1.000 U	90	%	61-122	
1,2,3-Trichloropropane	ug/L	24.081		25.000	1.000 U	96	%	62-124	
n-Propylbenzene	ug/L	20.305		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	24.536		25.000	1.000 U	98	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241253 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164586-012		11/03/2005	0950

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.506		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	24.617		25.000	1.000 U	98	%	70-126	
tert-Butylbenzene	ug/L	21.366		25.000	1.000 U	85	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.379		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	19.000		25.000	1.000 U	76	%	70-134	
p-Isopropyltoluene	ug/L	20.345		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.029		25.000	1.000 U	80	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.094		25.000	1.000 U	76	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.529		25.000	1.000 U	98	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241253 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164586-011		11/03/2005	0927

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164588

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241253

Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164586-011		11/03/2005	0927

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: H&L
Address: Northway 10 Executive Pk
313 Ushers Rd
Ballston Lake, NY 12019
Phone: (518) 877-0340
Fax: (518) 877-0414
E-Mail: EEvans@H&L.com

Bill To:
Contact:
Company: Same
Address:
Phone:
Fax:
PO#: OMA004-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 241253

Package Sealed	Samples Sealed
Yes No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 3.2

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name: M. Jackson
Signature: Michael D. Jackson
Project Name: MCA Barracks – Hunter AAF
Project Number: OMA004-001-02-01-02
Project Location: GW Plume Delineation
Lab PM: Linda Mackley
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	Additional Analyses / Remarks
1		MCA-GW016-39-1005	10-21-05	0815	GW	G		3	40ml	HCl	X	STANDARD TAT
		MCA-GW015-37-1005		0840								2 DAY TAT
		MCA-GW013-16-1005		1030								
		MCA-GW013-30-1005		1030								
		MCA-GW013MS-30-1005		1030								STANDARD TAT
		MCA-GW013MSD-30-1005		1030								
		MCA-GW013-45-1005		1115								3 DAY TAT
		MCA-GW020-15-1005		1300								
		MCA-GW020-30-1005		1315								
		MCA-GW021-12-1005		1600								
		MCA-GW021-30-1005		1630								
		MCA-GW021-45-1005		1705								

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	H&L	10-21-05	1830	[signature]	STL	10/22/05	0920
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10, 22, 05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: H&L
Address: NORTHWAY 10 EXECUTIVE PK
313 WSHEARS RD
HALFSTON LAKE, NY 12019
Phone: (518) 877-0390
Fax: (518) 877-8914
E-Mail: EEVANS@H&L.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA004-001 Quote:

Lab Lot# 241253

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: Gw Plume Delineation
Project Number: OMA004-001-02-01-02
Project Location: MCA Barracks - Hunterdon
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
								3	40ml	HCl			
2		EB102105	10-21-05	1715	W	G					X		STD TAT
3		TB102105	↓	1736								X	↓ ↓

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	H&L	10-21-05	1830		FX	10/22/05	0920
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 22 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241281

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/26/2005

Signature

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

10/26/05
Date

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (58) Pages

SEVERN TRENT STL

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www.stl-inc.com

Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241281
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/Laboratory Control Duplicate) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume.

John Nagel
GC/MS Dept.

10-26-05
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 10/26/2005

Job Number.: 241281
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241281-1	MCA-GW020-45-1005	Water	10/22/2005	07:55	10/25/2005	09:50
241281-2	MCA-GW011-16-1005	Water	10/23/2005	08:20	10/25/2005	09:50
241281-3	MCA-GW011-30-1005	Water	10/23/2005	08:45	10/25/2005	09:50
241281-4	MCA-GW008-16-1005	Water	10/23/2005	10:30	10/25/2005	09:50
241281-5	MCA-GW008-30-1005	Water	10/23/2005	11:55	10/25/2005	09:50
241281-6	MCA-GW008-45-1005	Water	10/23/2005	13:00	10/25/2005	09:50
241281-7	MCA-GW023-16-1005	Water	10/23/2005	16:00	10/25/2005	09:50
241281-8	MCA-GW023-30-1005	Water	10/23/2005	16:10	10/25/2005	09:50
241281-9	MCA-GW023-45-1005	Water	10/23/2005	16:40	10/25/2005	09:50
241281-10	MCA-GW011-45-1005	Water	10/24/2005	09:10	10/25/2005	09:50
241281-11	MCA-GW001-15-1005	Water	10/24/2005	13:20	10/25/2005	09:50
241281-12	MCA-GW001-30-1005	Water	10/24/2005	14:20	10/25/2005	09:50
241281-13	MCA-GW001-45-1005	Water	10/24/2005	15:05	10/25/2005	09:50

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LABORATORY TEST RESULTS

Job Number: 241281

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	trans-1,2-Dichloroethene	1.1			0.29	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	cis-1,2-Dichloroethene	9.8			0.20	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Trichloroethene	9.1			0.13	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Tetrachloroethene	1.4			0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	n-Propylbenzene	1.1			0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,3,5-Trimethylbenzene	8.9			0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2,4-Trimethylbenzene	23			0.26	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	sec-Butylbenzene	1.5			0.19	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	cis-1,2-Dichloroethene	0.91	J		0.20	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Trichloroethene	1.4			0.13	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241281-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chloroform	2.8			0.14	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241281-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241281-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CHA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Trichloroethene	1.3			0.13	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	cis-1,2-Dichloroethene	2.2			0.20	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Trichloroethene	10			0.13	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2112	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2112	jdh

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 241281-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	cis-1,2-Dichloroethene	1.3			0.20	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Trichloroethene	2.3			0.13	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 241281-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 241281-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2-Butanone (MEK)	10			1.0	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Toluene	1.5			0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,3,5-Trimethylbenzene	3.9			0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2,4-Trimethylbenzene	9.6			0.26	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	sec-Butylbenzene	0.99	J		0.19	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-15-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Trichloroethene	2.7			0.13	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-15-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-15-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	cis-1,2-Dichloroethene	6.0			0.20	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Trichloroethene	14			0.13	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241281-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241281-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241281-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241281 Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241281-1 Client ID: MCA-GW020-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1822	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	163704	163698	10/25/2005 1822	1.00000

Lab ID: 241281-2 Client ID: MCA-GW011-16-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1846	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1846	1.00000

Lab ID: 241281-3 Client ID: MCA-GW011-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1911	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1911	1.00000

Lab ID: 241281-4 Client ID: MCA-GW008-16-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1935	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1935	1.00000

Lab ID: 241281-5 Client ID: MCA-GW008-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1959	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1959	1.00000

Lab ID: 241281-6 Client ID: MCA-GW008-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2024	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2024	1.00000

Lab ID: 241281-7 Client ID: MCA-GW023-16-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2048	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2048	1.00000

Lab ID: 241281-8 Client ID: MCA-GW023-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2112	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2112	1.00000

Lab ID: 241281-9 Client ID: MCA-GW023-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2136	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2136	1.00000

Lab ID: 241281-10 Client ID: MCA-GW011-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2201	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2201	1.00000

Lab ID: 241281-11 Client ID: MCA-GW001-15-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2225	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2225	1.00000

Lab ID: 241281-12 Client ID: MCA-GW001-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2249	

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LABORATORY CHRONICLE

Job Number: 241281 Date: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241281-12 Client ID: MCA-GW001-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
8260B	Volatile Organics	1	163704	163698	10/25/2005	2249	1.00000

Lab ID: 241281-13 Client ID: MCA-GW001-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005	2313	
8260B	Volatile Organics	1	163704	163698	10/25/2005	2313	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241281 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163698
Method Code...: 8260B Batch(s).....: 163704

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/26/2005	87	96	107	97
LCS			10/25/2005	91	98	99	97
MB			10/25/2005	93	93	100	95
241281- 1		MCA-GW020-45-1005	10/25/2005	97	94	96	95
241281- 2		MCA-GW011-16-1005	10/25/2005	99	98	97	96
241281- 3		MCA-GW011-30-1005	10/25/2005	92	96	98	98
241281- 4		MCA-GW008-16-1005	10/25/2005	94	94	100	97
241281- 5		MCA-GW008-30-1005	10/25/2005	94	92	104	96
241281- 6		MCA-GW008-45-1005	10/25/2005	89	94	107	96
241281- 7		MCA-GW023-16-1005	10/25/2005	96	93	112	96
241281- 8		MCA-GW023-30-1005	10/25/2005	96	92	102	96
241281- 9		MCA-GW023-45-1005	10/25/2005	101	89	111	95
241281- 10		MCA-GW011-45-1005	10/25/2005	101	95	104	97
241281- 11		MCA-GW001-15-1005	10/25/2005	94	92	105	97
241281- 12		MCA-GW001-30-1005	10/25/2005	93	93	101	96
241281- 13		MCA-GW001-45-1005	10/25/2005	97	95	100	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241281 — Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163704

LCD	Laboratory Control Sample Duplicate	V05J25DSA	163698-025		10/26/2005 0401

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	9.655	10.163	25.000	1.000 U	39	%	24-171	
						5	R	20	
Chloromethane	ug/L	17.678	16.767	25.000	1.000 U	71	%	31-182	
						5	R	20	
Vinyl chloride	ug/L	19.716	18.830	25.000	1.000 U	79	%	50-145	
						5	R	20	
Bromomethane	ug/L	19.479	21.257	25.000	1.000 U	78	%	31-188	
						9	R	20	
Chloroethane	ug/L	26.667	24.256	25.000	1.000 U	107	%	58-148	
						9	R	20	
Trichlorofluoromethane	ug/L	21.727	20.598	25.000	1.000 U	87	%	54-142	
						5	R	20	
1,1-Dichloroethene	ug/L	26.364	22.687	25.000	1.000 U	105	%	51-136	
						15	R	20	
Carbon disulfide	ug/L	24.464	18.075	25.000	5.000 U	98	%	21-111	
						30	R	20	*
Acetone	ug/L	27.712	22.039	25.000	5.000 U	111	%	14-177	
						23	R	20	*
Methylene chloride	ug/L	26.176	21.504	25.000	1.000 U	105	%	64-127	
						20	R	20	
trans-1,2-Dichloroethene	ug/L	28.088	23.934	25.000	1.000 U	112	%	62-138	
						16	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.884	21.335	25.000	1.000 U	112	%	55-142	
						27	R	20	*
1,1-Dichloroethane	ug/L	26.514	21.712	25.000	1.000 U	106	%	70-124	
						20	R	20	
2,2-Dichloropropane	ug/L	24.152	22.006	25.000	1.000 U	97	%	68-127	
						9	R	20	
cis-1,2-Dichloroethene	ug/L	28.738	23.480	25.000	1.000 U	115	%	70-125	
						20	R	20	
2-Butanone (MEK)	ug/L	22.952	19.834	25.000	5.000 U	92	%	29-139	
						15	R	20	
Bromochloromethane	ug/L	26.306	19.964	25.000	1.000 U	105	%	57-116	
						27	R	20	*
Chloroform	ug/L	27.898	22.761	25.000	1.000 U	112	%	75-122	
						20	R	20	
1,1,1-Trichloroethane	ug/L	26.752	22.317	25.000	1.000 U	107	%	70-127	
						18	R	20	
1,1-Dichloropropene	ug/L	25.722	21.609	25.000	1.000 U	103	%	70-125	
						17	R	20	
Carbon tetrachloride	ug/L	25.296	22.183	25.000	1.000 U	101	%	64-132	
						13	R	20	
Benzene	ug/L	25.388	21.764	25.000	1.000 U	102	%	75-122	
						15	R	20	
1,2-Dichloroethane	ug/L	23.243	20.258	25.000	1.000 U	93	%	67-120	
						14	R	20	
Trichloroethene	ug/L	25.306	21.716	25.000	1.000 U	101	%	70-125	
						15	R	20	
1,2-Dichloropropane	ug/L	25.145	21.508	25.000	1.000 U	101	%	76-116	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241281 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J25DSA	163698-025		10/26/2005	0401

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	18.564	16.439	25.000	1.000 U	74	%	68-116	
						12	R	20	
Bromodichloromethane	ug/L	26.122	23.139	25.000	1.000 U	104	%	75-125	
						12	R	20	
cis-1,3-Dichloropropene	ug/L	23.889	21.460	26.000	1.000 U	92	%	72-115	
						11	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.567	20.209	25.000	5.000 U	90	%	39-137	
						11	R	20	
Toluene	ug/L	25.694	22.150	25.000	1.000 U	103	%	77-120	
						15	R	20	
trans-1,3-Dichloropropene	ug/L	20.815	18.636	24.000	1.000 U	87	%	68-119	
						11	R	20	
1,1,2-Trichloroethane	ug/L	26.128	21.592	25.000	1.000 U	105	%	63-127	
						19	R	20	
Tetrachloroethene	ug/L	24.901	22.422	25.000	1.000 U	100	%	45-150	
						10	R	20	
1,3-Dichloropropane	ug/L	25.328	21.745	25.000	1.000 U	101	%	72-118	
						15	R	20	
2-Hexanone	ug/L	24.986	22.396	25.000	5.000 U	100	%	36-144	
						11	R	20	
Dibromochloromethane	ug/L	24.648	21.657	25.000	1.000 U	99	%	73-116	
						13	R	20	
1,2-Dibromoethane (EDB)	ug/L	24.023	20.434	25.000	1.000 U	96	%	62-123	
						16	R	20	
Chlorobenzene	ug/L	24.516	21.580	25.000	1.000 U	98	%	76-116	
						13	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.232	22.124	25.000	1.000 U	101	%	77-120	
						13	R	20	
Ethylbenzene	ug/L	26.397	23.304	25.000	1.000 U	106	%	75-125	
						12	R	20	
m&p-Xylenes	ug/L	50.747	45.320	50.000	2.000 U	101	%	75-123	
						11	R	20	
o-Xylene	ug/L	25.863	22.856	25.000	1.000 U	103	%	76-121	
						12	R	20	
Styrene	ug/L	26.052	22.967	25.000	1.000 U	104	%	77-128	
						13	R	20	
Bromoform	ug/L	23.138	19.865	25.000	1.000 U	93	%	65-115	
						15	R	20	
Isopropylbenzene	ug/L	23.610	20.738	25.000	1.000 U	94	%	64-119	
						13	R	20	
Bromobenzene	ug/L	25.689	21.789	25.000	1.000 U	103	%	76-118	
						16	R	20	
1,1,2,2-Tetrachloroethane	ug/L	23.635	20.230	25.000	1.000 U	95	%	61-122	
						16	R	20	
1,2,3-Trichloropropane	ug/L	24.269	20.106	25.000	1.000 U	97	%	62-124	
						19	R	20	
n-Propylbenzene	ug/L	26.068	23.818	25.000	1.000 U	104	%	69-132	
						9	R	20	
2-Chlorotoluene	ug/L	25.071	22.360	25.000	1.000 U	100	%	70-127	
						11	R	20	
1,3,5-Trimethylbenzene	ug/L	26.269	23.823	25.000	1.000 U	105	%	70-132	
						10	R	20	
4-Chlorotoluene	ug/L	25.071	22.360	25.000	1.000 U	100	%	70-126	
						11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241281 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J25DSA	163698-025		10/26/2005	0401

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	25.899	23.386	25.000	1.000	U	104	%	70-133	
							10	R	20	
1,2,4-Trimethylbenzene	ug/L	26.018	23.328	25.000	1.000	U	104	%	71-131	
							11	R	20	
sec-Butylbenzene	ug/L	25.872	23.429	25.000	1.000	U	103	%	70-134	
							10	R	20	
p-Isopropyltoluene	ug/L	24.151	22.269	25.000	1.000	U	97	%	66-130	
							8	R	20	
n-Butylbenzene	ug/L	25.825	24.408	25.000	1.000	U	103	%	64-142	
							6	R	20	
1,2-Dibromo-3-chloropropane	ug/L	22.150	19.671	25.000	1.000	U	89	%	57-119	
							12	R	20	
1,2,3-Trichlorobenzene	ug/L	23.978	22.528	25.000	1.000	U	96	%	66-124	
							6	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: Z41281 — Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25D8A	163698-024		10/25/2005	1758

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163704

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	10.163		25.000	1.000 U	41	%	24-171	
Chloromethane	ug/L	16.767		25.000	1.000 U	67	%	31-182	
Vinyl chloride	ug/L	18.830		25.000	1.000 U	75	%	50-145	
Bromomethane	ug/L	21.257		25.000	1.000 U	85	%	31-188	
Chloroethane	ug/L	24.256		25.000	1.000 U	97	%	58-148	
Trichlorofluoromethane	ug/L	20.598		25.000	1.000 U	82	%	54-142	
1,1-Dichloroethene	ug/L	22.687		25.000	1.000 U	91	%	51-136	
Carbon disulfide	ug/L	18.075		25.000	5.000 U	72	%	21-111	
Acetone	ug/L	22.039		25.000	5.000 U	88	%	14-177	
Methylene chloride	ug/L	21.504		25.000	1.000 U	86	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.934		25.000	1.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	21.335		25.000	1.000 U	85	%	55-142	
1,1-Dichloroethane	ug/L	21.712		25.000	1.000 U	87	%	70-124	
2,2-Dichloropropane	ug/L	22.006		25.000	1.000 U	88	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.480		25.000	1.000 U	94	%	70-125	
2-Butanone (MEK)	ug/L	19.834		25.000	5.000 U	79	%	29-139	
Bromochloromethane	ug/L	19.964		25.000	1.000 U	80	%	57-116	
Chloroform	ug/L	22.761		25.000	1.000 U	91	%	75-122	
1,1,1-Trichloroethane	ug/L	22.317		25.000	1.000 U	89	%	70-127	
1,1-Dichloropropene	ug/L	21.609		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	22.183		25.000	1.000 U	89	%	64-132	
Benzene	ug/L	21.764		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	20.258		25.000	1.000 U	81	%	67-120	
Trichloroethene	ug/L	21.716		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	21.508		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	16.439		25.000	1.000 U	66	%	68-116	*
Bromodichloromethane	ug/L	23.139		25.000	1.000 U	93	%	75-125	
cis-1,3-Dichloropropene	ug/L	21.460		26.000	1.000 U	83	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	20.209		25.000	5.000 U	81	%	39-137	
Toluene	ug/L	22.150		25.000	1.000 U	89	%	77-120	
trans-1,3-Dichloropropene	ug/L	18.636		24.000	1.000 U	78	%	68-119	
1,1,2-Trichloroethane	ug/L	21.592		25.000	1.000 U	86	%	63-127	
Tetrachloroethene	ug/L	22.422		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	21.745		25.000	1.000 U	87	%	72-118	
2-Hexanone	ug/L	22.396		25.000	5.000 U	90	%	36-144	
Dibromochloromethane	ug/L	21.657		25.000	1.000 U	87	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	20.434		25.000	1.000 U	82	%	62-123	
Chlorobenzene	ug/L	21.580		25.000	1.000 U	86	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	22.124		25.000	1.000 U	88	%	77-120	
Ethylbenzene	ug/L	23.304		25.000	1.000 U	93	%	75-125	
m&p-Xylenes	ug/L	45.320		50.000	2.000 U	91	%	75-123	
o-Xylene	ug/L	22.856		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.967		25.000	1.000 U	92	%	77-128	
Bromoform	ug/L	19.865		25.000	1.000 U	79	%	65-115	
Isopropylbenzene	ug/L	20.738		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	21.789		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.230		25.000	1.000 U	81	%	61-122	
1,2,3-Trichloropropane	ug/L	20.106		25.000	1.000 U	80	%	62-124	
n-Propylbenzene	ug/L	23.818		25.000	1.000 U	95	%	69-132	
2-Chlorotoluene	ug/L	22.360		25.000	1.000 U	89	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSA	163698-024		10/25/2005	1758

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.823		25.000	1.000 U	95	%	70-132	
4-Chlorotoluene	ug/L	22.360		25.000	1.000 U	89	%	70-126	
tert-Butylbenzene	ug/L	23.386		25.000	1.000 U	94	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.328		25.000	1.000 U	93	%	71-131	
sec-Butylbenzene	ug/L	23.429		25.000	1.000 U	94	%	70-134	
p-Isopropyltoluene	ug/L	22.269		25.000	1.000 U	89	%	66-130	
n-Butylbenzene	ug/L	24.408		25.000	1.000 U	98	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.671		25.000	1.000 U	79	%	57-119	
1,2,3-Trichlorobenzene	ug/L	22.528		25.000	1.000 U	90	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 — Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163698-023		10/25/2005	1734

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdh
Method Description.: Volatile Organics — Batch.....: 163704

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 10/26/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163698-023		10/25/2005	1734

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Burns
Company: HGL
Address: Northrop Grumman PO Box 313 Ushers Rd.
Ballston Lake, NY 12019
Phone: 518-8770390
Fax: 518-877-0414
E-Mail: eburns@hgl.com

Bill To:
Contact: Same
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 4

Lab Lot# 241281

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No
Temperature °C of Cooler	
(2.0)	(2.4)
Within Hold Time	**Preserv. Indicated**
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA
Sample Labels and COC Agree	
Yes No	COC not present

Sampler Name: M. Jackson
Signature: Michael D. Jackson
Project Name: NGNI Plume Delineation
Project Number: OMA009-001
Project Location: MCA Barracks Auburn AAF
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Refrg #												
# / Cont.	3	5	1	2								
Volume	40ml	unpres	4oz	40ml								
Preserv	HCl	unpres		HCl								

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	Acrolein Methanol	VOCs 8260B						Additional Analyses / Remarks
		MCA-GW02D-45-1005	10-22-05	0755	W	G	X									24 HR TAT
		MCA-SO012-4-6-1005		0915	S	C		X								STD TAT TerraCore KIT
		MCA-GW025-16-1005		0925	W	G	X									3 day TAT 5 DAY TAT
		MCA-GW025-30-1005		1000	↓	↓	↓									↓
		MCA-GW025-45-1005		1035	↓	↓	↓									↓
		MCA-SO014-4-6-1005		1140	S	C		X								STD TAT TERRACORE KIT
		MCA-GW027-16-1005		1420	W	G	X									3 DAY TAT
		MCA-GW027-30-1005		1500	↓	↓	↓									↓
		MCA-SO013-4-6-1005		1535	S	C		X								STD TAT TERRACORE KIT
		MCA-SOMS102-1005		1555	↓	↓		↓								↓
		MCA-SOMSD102-1005		1555	↓	↓		↓								↓
		MCA-GW026-16-1005	↓	1600	W	G	X			X						STD TAT (2 VOAs only)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Michael D. Jackson	HGL	10-24-05	1850		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = Standard TAT

Date Received 10/25/05
Courier: FX Hand Delivered ☐
Bill of Lading See attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northway 10 Executive Park
3/3 Ushers Rd.
Ballston Lake, NY 12019
Phone: 518-877-0898
Fax: 518-877-0414
E-Mail: mdj68r yahoo.com

Bill To:
Contact:
Company: Same as "Report To"
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 2 of 4

Lab Lot# 241281

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	

Sampler Name:	Signature:
M. Jackson	
Project Name:	**Project Number:**
GW Plume Delineation	OMA009-00
Project Location:	**Date Required**
Linda Markley	Hard Copy: ___/___/___
Lab PM:	Fax: ___/___/___
MCA Evans	

Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check OK Yes No NA	Res Cl_2 Check OK Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	RCRA Metals	Additional Analyses / Remarks
		MCA-GW027-45-1005	10-22-05	1630	W	G	X			3 DAY TAT
		MCA-S0007-24-1005	10-23-05	0810	S	C		X	X	Terra Core STD TAT
2		MCA-GW011-16-1005		0820	W	G	X			24 HR TAT
3		MCA-GW011-30-1005		0945	↓	↓	↓			↓
		MCA-S0004-2-4-1005		1000	S	C		X	X	Terra Core STD TAT
4		MCA-GW008-16-1005		1030	W	G	X			24 HR TAT
5		MCA-GW008-30-1005		1155	↓	↓				↓
6		MCA-GW004-45-1005		1700						24 HOUR TAT
7		MCA-GW023-15-1005		1600						↓
8		MCA-GW023-30-1005		1615						STD TAT
9		MCA-GW023-45-1005		1640						
		MCA-GWDUP104-1005	↓	1037	↓	↓				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-24-05	1857		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = Standard TAT

Date Received 10, 25, 05
Courier: FX Hand Delivered ☐
Bill of Lading see attached

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northern 10 Executive Pk
213 Ushers Rd
Ballston Lake, NY 12019
Phone: 518-877-0340
Fax: 518-877-0414
E-Mail: EEvans@HGL.com

Bill To:
Contact:
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only 4 of 4

Lab Lot# 241281

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree: Yes No — COC not present

Sampler Name: M. Jankow
Signature: [signature]
Project Name: GW Plume Delineation
Project Number: OM.a009-601-
Project Location: MCA Annex, Hoosick AAF
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: Linda Markley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	RCRA Metals	pH	Sulfide	Sulfate	VOCs 8260B Encore	VOCs 8260B	Additional Analyses / Remarks
10		MCA-GW011-45-1005	10-24-05	0910	W	G	4	3	40ml	HCl	X								24 HR TAT
		MCA-GW012-12-1005		1035				2	40ml	HCl									3 DAY TAT
		MCA-GW019MS-12-1005		1035				1	40ml	HCl									STD TAT (Standard)
		MCA-GW019MSD-12-1005		1035				1	40ml	HCl									↓
		MCA-GW019-30-1005		1105				1	40ml	HCl									3 DAY TAT
		MCA-GW019-45-1005		1140	↓	↓	↓	1	40ml	HCl									↓
		MCA-GW001-2-45-1005		1310	S	C						X	X	X	X	X			STD TAT (STANDARD)
11		MCA-GW001-15-1005		1320	W	G	4	3	40ml	HCl	X								24 HR TAT
12		MCA-GW001-30-1005		1420	W	G	4	3	40ml	HCl	X							X	↓ 24 HR TAT
		MCA-GW Dup 105-1005		0938				3	40ml	HCl	X							↓	No Preservative! ↓ 24 HR TAT
		EQ10 2405		1020				3	40ml	HCl	X								No Preservative STD TAT (Standard) 1030
13		MCA-GW001-45-1005	↓	1505	↓	↓	↓	1	40ml	HCl								X	STD TAT 24 HR TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	HGL	10-24-05	1850	[signature]	STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
5. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Sulfate / Sulfide
↳ Same 40z VOA (Same DW)

Date Received 10/25/05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

November 4, 2005

Mr. Eric Evans
HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

RE: Hunter AAF
Revised Analytical Report
Job # 241281

Dear Mr. Evans:

The enclosed revised analytical report is for the project and job number listed above. As requested, sample 3 was reanalyzed, with similar results. If you have any questions, please contact me at 708-534-5200.

Sincerely,

Severn Trent Laboratories

Linda S. Mackley
Project Manager

kl

Enclosures

The results presented in this report relate only to the analytical testing and conditions of sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241281

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/03/2005

Linda S Mackley
Signature

11-4-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (59) Pages

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SAMPLE INFORMATION
Date: 11/03/2005

Job Number.: 241281
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241281-1	MCA-GW020-45-1005	Water	10/22/2005	07:55	10/25/2005	09:50
241281-2	MCA-GW011-16-1005	Water	10/23/2005	08:20	10/25/2005	09:50
241281-3	MCA-GW011-30-1005	Water	10/23/2005	08:45	10/25/2005	09:50
241281-4	MCA-GW008-16-1005	Water	10/23/2005	10:30	10/25/2005	09:50
241281-5	MCA-GW008-30-1005	Water	10/23/2005	11:55	10/25/2005	09:50
241281-6	MCA-GW008-45-1005	Water	10/23/2005	13:00	10/25/2005	09:50
241281-7	MCA-GW023-16-1005	Water	10/23/2005	16:00	10/25/2005	09:50
241281-8	MCA-GW023-30-1005	Water	10/23/2005	16:10	10/25/2005	09:50
241281-9	MCA-GW023-45-1005	Water	10/23/2005	16:40	10/25/2005	09:50
241281-10	MCA-GW011-45-1005	Water	10/24/2005	09:10	10/25/2005	09:50
241281-11	MCA-GW001-15-1005	Water	10/24/2005	13:20	10/25/2005	09:50
241281-12	MCA-GW001-30-1005	Water	10/24/2005	14:20	10/25/2005	09:50
241281-13	MCA-GW001-45-1005	Water	10/24/2005	15:05	10/25/2005	09:50

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	trans-1,2-Dichloroethene	1.1			0.29	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	cis-1,2-Dichloroethene	9.8			0.20	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Trichloroethene	9.1			0.13	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW020-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 07:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1822	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: DMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Tetrachloroethene	1.4			0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	n-Propylbenzene	1.1			0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,3,5-Trimethylbenzene	8.9			0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2,4-Trimethylbenzene	23			0.26	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	sec-Butylbenzene	1.5			0.19	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1846	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	cis-1,2-Dichloroethene	0.91	J		0.20	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	cis-1,2-Dichloroethene	1.1			0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Trichloroethene	1.4			0.13	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Trichloroethene	1.6			0.13	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:45
Sample Matrix.....: Water

Laboratory Sample ID: 241281-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1911	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164560	R1	11/03/05 1009	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241281-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chloroform	2.8			0.14	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241281-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 241281-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1935	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241281-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 1959	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW008-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2024	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Trichloroethene	1.3			0.13	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-16-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241281-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2048	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	cis-1,2-Dichloroethene	2.2			0.20	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Trichloroethene	10			0.13	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-30-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2112	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 241281-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	cis-1,2-Dichloroethene	1.3			0.20	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Trichloroethene	2.3			0.13	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 241281-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW023-45-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 241281-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2136	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2-Butanone (MEK)	10			1.0	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Toluene	1.5			0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,3,5-Trimethylbenzene	3.9			0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	1,2,4-Trimethylbenzene	9.6			0.26	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	sec-Butylbenzene	0.99	J		0.19	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2201	jdn

* In Description = Dry Wgt.

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Job Number: 241281

LABORATORY TEST RESULTS

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW011-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:10
Sample Matrix.....: Water

Laboratory Sample ID: 241281-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2201	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2201	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-15-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Trichloroethene	2.7			0.13	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-15-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2225	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-15-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2225	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2225	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	cis-1,2-Dichloroethene	6.0			0.20	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Trichloroethene	14			0.13	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn

* In Description = Dry Wgt.

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Job Number: 241281

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241281-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2249	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241281 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241281-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Carbon disulfide	5.0	U	*	0.15	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Dibromomethane	1.0	U	*	0.21	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241281-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241281

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW001-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241281-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163704		10/25/05 2313	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241281 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241281-1 Client ID: MCA-GW020-45-1005
Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1822	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	163704	163698	10/25/2005 1822	1.00000

Lab ID: 241281-2 Client ID: MCA-GW011-16-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1846	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1846	1.00000

Lab ID: 241281-3 Client ID: MCA-GW011-30-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1911	
5030B	5030 10 mL Purge Prep	2	164556		11/03/2005 1009	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1911	1.00000
8260B	Volatile Organics	2	164560	164556	11/03/2005 1009	1.00000

Lab ID: 241281-4 Client ID: MCA-GW008-16-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1935	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1935	1.00000

Lab ID: 241281-5 Client ID: MCA-GW008-30-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 1959	
8260B	Volatile Organics	1	163704	163698	10/25/2005 1959	1.00000

Lab ID: 241281-6 Client ID: MCA-GW008-45-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2024	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2024	1.00000

Lab ID: 241281-7 Client ID: MCA-GW023-16-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2048	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2048	1.00000

Lab ID: 241281-8 Client ID: MCA-GW023-30-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2112	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2112	1.00000

Lab ID: 241281-9 Client ID: MCA-GW023-45-1005
Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2136	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2136	1.00000

Lab ID: 241281-10 Client ID: MCA-GW011-45-1005
Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2201	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2201	1.00000

Lab ID: 241281-11 Client ID: MCA-GW001-15-1005
Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005 2225	
8260B	Volatile Organics	1	163704	163698	10/25/2005 2225	1.00000

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LABORATORY CHRONICLE

Job Number: 241281 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241281-12 Client ID: MCA-GW001-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005	2249	
8260B	Volatile Organics	1	163704	163698	10/25/2005	2249	1.00000

Lab ID: 241281-13 Client ID: MCA-GW001-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163698		10/25/2005	2313	
8260B	Volatile Organics	1	163704	163698	10/25/2005	2313	1.00000

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163698
Method Code...: 8260B Batch(s).....: 163704

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/26/2005	87	96	107	97
LCS			10/25/2005	91	98	99	97
MB			10/25/2005	93	93	100	95
241281- 1		MCA-GW020-45-1005	10/25/2005	97	94	96	95
241281- 2		MCA-GW011-16-1005	10/25/2005	99	98	97	96
241281- 3		MCA-GW011-30-1005	10/25/2005	92	96	98	98
241281- 4		MCA-GW008-16-1005	10/25/2005	94	94	100	97
241281- 5		MCA-GW008-30-1005	10/25/2005	94	92	104	96
241281- 6		MCA-GW008-45-1005	10/25/2005	89	94	107	96
241281- 7		MCA-GW023-16-1005	10/25/2005	96	93	112	96
241281- 8		MCA-GW023-30-1005	10/25/2005	96	92	102	96
241281- 9		MCA-GW023-45-1005	10/25/2005	101	89	111	95
241281- 10		MCA-GW011-45-1005	10/25/2005	101	95	104	97
241281- 11		MCA-GW001-15-1005	10/25/2005	94	92	105	97
241281- 12		MCA-GW001-30-1005	10/25/2005	93	93	101	96
241281- 13		MCA-GW001-45-1005	10/25/2005	97	95	100	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164556
Method Code...: 8260B Batch(s).....: 164560

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	92	104	110	101
MB			11/03/2005	99	97	108	101
241281- 3	R1	MCA-GW011-30-1005	11/03/2005	104	98	114	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241281

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J25DSA	163698-025		10/26/2005	0401

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 163704

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	9.655	10.163	25.000	1.000 U	39	%	24-171	
						5	R	20	
Chloromethane	ug/L	17.678	16.767	25.000	1.000 U	71	%	31-182	
						5	R	20	
Vinyl chloride	ug/L	19.716	18.830	25.000	1.000 U	79	%	50-145	
						5	R	20	
Bromomethane	ug/L	19.479	21.257	25.000	1.000 U	78	%	31-188	
						9	R	20	
Chloroethane	ug/L	26.667	24.256	25.000	1.000 U	107	%	58-148	
						9	R	20	
Trichlorofluoromethane	ug/L	21.727	20.598	25.000	1.000 U	87	%	54-142	
						5	R	20	
1,1-Dichloroethene	ug/L	26.364	22.687	25.000	1.000 U	105	%	51-136	
						15	R	20	
Carbon disulfide	ug/L	24.464	18.075	25.000	5.000 U	98	%	21-111	
						30	R	20	*
Acetone	ug/L	27.712	22.039	25.000	5.000 U	111	%	14-177	
						23	R	20	*
Methylene chloride	ug/L	26.176	21.504	25.000	1.000 U	105	%	64-127	
						20	R	20	
trans-1,2-Dichloroethene	ug/L	28.088	23.934	25.000	1.000 U	112	%	62-138	
						16	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.884	21.335	25.000	1.000 U	112	%	55-142	
						27	R	20	*
1,1-Dichloroethane	ug/L	26.514	21.712	25.000	1.000 U	106	%	70-124	
						20	R	20	
2,2-Dichloropropane	ug/L	24.152	22.006	25.000	1.000 U	97	%	68-127	
						9	R	20	
cis-1,2-Dichloroethene	ug/L	28.738	23.480	25.000	1.000 U	115	%	70-125	
						20	R	20	
2-Butanone (MEK)	ug/L	22.952	19.834	25.000	5.000 U	92	%	29-139	
						15	R	20	
Bromochloromethane	ug/L	26.306	19.964	25.000	1.000 U	105	%	57-116	
						27	R	20	*
Chloroform	ug/L	27.898	22.761	25.000	1.000 U	112	%	75-122	
						20	R	20	
1,1,1-Trichloroethane	ug/L	26.752	22.317	25.000	1.000 U	107	%	70-127	
						18	R	20	
1,1-Dichloropropene	ug/L	25.722	21.609	25.000	1.000 U	103	%	70-125	
						17	R	20	
Carbon tetrachloride	ug/L	25.296	22.183	25.000	1.000 U	101	%	64-132	
						13	R	20	
Benzene	ug/L	25.388	21.764	25.000	1.000 U	102	%	75-122	
						15	R	20	
1,2-Dichloroethane	ug/L	23.243	20.258	25.000	1.000 U	93	%	67-120	
						14	R	20	
Trichloroethene	ug/L	25.306	21.716	25.000	1.000 U	101	%	70-125	
						15	R	20	
1,2-Dichloropropane	ug/L	25.145	21.508	25.000	1.000 U	101	%	76-116	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J25DSA	163698-025		10/26/2005	0401

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	18.564	16.439	25.000	1.000 U	74	%	68-116	
						12	R	20	
Bromodichloromethane	ug/L	26.122	23.139	25.000	1.000 U	104	%	75-125	
						12	R	20	
cis-1,3-Dichloropropene	ug/L	23.889	21.460	26.000	1.000 U	92	%	72-115	
						11	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.567	20.209	25.000	5.000 U	90	%	39-137	
						11	R	20	
Toluene	ug/L	25.694	22.150	25.000	1.000 U	103	%	77-120	
						15	R	20	
trans-1,3-Dichloropropene	ug/L	20.815	18.636	24.000	1.000 U	87	%	68-119	
						11	R	20	
1,1,2-Trichloroethane	ug/L	26.128	21.592	25.000	1.000 U	105	%	63-127	
						19	R	20	
Tetrachloroethene	ug/L	24.901	22.422	25.000	1.000 U	100	%	45-150	
						10	R	20	
1,3-Dichloropropane	ug/L	25.328	21.745	25.000	1.000 U	101	%	72-118	
						15	R	20	
2-Hexanone	ug/L	24.986	22.396	25.000	5.000 U	100	%	36-144	
						11	R	20	
Dibromochloromethane	ug/L	24.648	21.657	25.000	1.000 U	99	%	73-116	
						13	R	20	
1,2-Dibromoethane (EDB)	ug/L	24.023	20.434	25.000	1.000 U	96	%	62-123	
						16	R	20	
Chlorobenzene	ug/L	24.516	21.580	25.000	1.000 U	98	%	76-116	
						13	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.232	22.124	25.000	1.000 U	101	%	77-120	
						13	R	20	
Ethylbenzene	ug/L	26.397	23.304	25.000	1.000 U	106	%	75-125	
						12	R	20	
m&p-Xylenes	ug/L	50.747	45.320	50.000	2.000 U	101	%	75-123	
						11	R	20	
o-Xylene	ug/L	25.863	22.856	25.000	1.000 U	103	%	76-121	
						12	R	20	
Styrene	ug/L	26.052	22.967	25.000	1.000 U	104	%	77-128	
						13	R	20	
Bromoform	ug/L	23.138	19.865	25.000	1.000 U	93	%	65-115	
						15	R	20	
Isopropylbenzene	ug/L	23.610	20.738	25.000	1.000 U	94	%	64-119	
						13	R	20	
Bromobenzene	ug/L	25.689	21.789	25.000	1.000 U	103	%	76-118	
						16	R	20	
1,1,2,2-Tetrachloroethane	ug/L	23.635	20.230	25.000	1.000 U	95	%	61-122	
						16	R	20	
1,2,3-Trichloropropane	ug/L	24.269	20.106	25.000	1.000 U	97	%	62-124	
						19	R	20	
n-Propylbenzene	ug/L	26.068	23.818	25.000	1.000 U	104	%	69-132	
						9	R	20	
2-Chlorotoluene	ug/L	25.071	22.360	25.000	1.000 U	100	%	70-127	
						11	R	20	
1,3,5-Trimethylbenzene	ug/L	26.269	23.823	25.000	1.000 U	105	%	70-132	
						10	R	20	
4-Chlorotoluene	ug/L	25.071	22.360	25.000	1.000 U	100	%	70-126	
						11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J25DSA	163698-025		10/26/2005	0401

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	25.899	23.386	25.000	1.000	U	104	%	70-133	
							10	R	20	
1,2,4-Trimethylbenzene	ug/L	26.018	23.328	25.000	1.000	U	104	%	71-131	
							11	R	20	
sec-Butylbenzene	ug/L	25.872	23.429	25.000	1.000	U	103	%	70-134	
							10	R	20	
p-Isopropyltoluene	ug/L	24.151	22.269	25.000	1.000	U	97	%	66-130	
							8	R	20	
n-Butylbenzene	ug/L	25.825	24.408	25.000	1.000	U	103	%	64-142	
							6	R	20	
1,2-Dibromo-3-chloropropane	ug/L	22.150	19.671	25.000	1.000	U	89	%	57-119	
							12	R	20	
1,2,3-Trichlorobenzene	ug/L	23.978	22.528	25.000	1.000	U	96	%	66-124	
							6	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSA	163698-024		10/25/2005	1758

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163704

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	10.163		25.000	1.000 U	41	%	24-171	
Chloromethane	ug/L	16.767		25.000	1.000 U	67	%	31-182	
Vinyl chloride	ug/L	18.830		25.000	1.000 U	75	%	50-145	
Bromomethane	ug/L	21.257		25.000	1.000 U	85	%	31-188	
Chloroethane	ug/L	24.256		25.000	1.000 U	97	%	58-148	
Trichlorofluoromethane	ug/L	20.598		25.000	1.000 U	82	%	54-142	
1,1-Dichloroethene	ug/L	22.687		25.000	1.000 U	91	%	51-136	
Carbon disulfide	ug/L	18.075		25.000	5.000 U	72	%	21-111	
Acetone	ug/L	22.039		25.000	5.000 U	88	%	14-177	
Methylene chloride	ug/L	21.504		25.000	1.000 U	86	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.934		25.000	1.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	21.335		25.000	1.000 U	85	%	55-142	
1,1-Dichloroethane	ug/L	21.712		25.000	1.000 U	87	%	70-124	
2,2-Dichloropropane	ug/L	22.006		25.000	1.000 U	88	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.480		25.000	1.000 U	94	%	70-125	
2-Butanone (MEK)	ug/L	19.834		25.000	5.000 U	79	%	29-139	
Bromochloromethane	ug/L	19.964		25.000	1.000 U	80	%	57-116	
Chloroform	ug/L	22.761		25.000	1.000 U	91	%	75-122	
1,1,1-Trichloroethane	ug/L	22.317		25.000	1.000 U	89	%	70-127	
1,1-Dichloropropene	ug/L	21.609		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	22.183		25.000	1.000 U	89	%	64-132	
Benzene	ug/L	21.764		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	20.258		25.000	1.000 U	81	%	67-120	
Trichloroethene	ug/L	21.716		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	21.508		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	16.439		25.000	1.000 U	66	%	68-116	*
Bromodichloromethane	ug/L	23.139		25.000	1.000 U	93	%	75-125	
cis-1,3-Dichloropropene	ug/L	21.460		26.000	1.000 U	83	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	20.209		25.000	5.000 U	81	%	39-137	
Toluene	ug/L	22.150		25.000	1.000 U	89	%	77-120	
trans-1,3-Dichloropropene	ug/L	18.636		24.000	1.000 U	78	%	68-119	
1,1,2-Trichloroethane	ug/L	21.592		25.000	1.000 U	86	%	63-127	
Tetrachloroethene	ug/L	22.422		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	21.745		25.000	1.000 U	87	%	72-118	
2-Hexanone	ug/L	22.396		25.000	5.000 U	90	%	36-144	
Dibromochloromethane	ug/L	21.657		25.000	1.000 U	87	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	20.434		25.000	1.000 U	82	%	62-123	
Chlorobenzene	ug/L	21.580		25.000	1.000 U	86	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	22.124		25.000	1.000 U	88	%	77-120	
Ethylbenzene	ug/L	23.304		25.000	1.000 U	93	%	75-125	
m&p-Xylenes	ug/L	45.320		50.000	2.000 U	91	%	75-123	
o-Xylene	ug/L	22.856		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.967		25.000	1.000 U	92	%	77-128	
Bromoform	ug/L	19.865		25.000	1.000 U	79	%	65-115	
Isopropylbenzene	ug/L	20.738		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	21.789		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.230		25.000	1.000 U	81	%	61-122	
1,2,3-Trichloropropane	ug/L	20.106		25.000	1.000 U	80	%	62-124	
n-Propylbenzene	ug/L	23.818		25.000	1.000 U	95	%	69-132	
2-Chlorotoluene	ug/L	22.360		25.000	1.000 U	89	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSA	163698-024		10/25/2005	1758

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.823		25.000	1.000	U	95	%	70-132	
4-Chlorotoluene	ug/L	22.360		25.000	1.000	U	89	%	70-126	
tert-Butylbenzene	ug/L	23.386		25.000	1.000	U	94	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.328		25.000	1.000	U	93	%	71-131	
sec-Butylbenzene	ug/L	23.429		25.000	1.000	U	94	%	70-134	
p-Isopropyltoluene	ug/L	22.269		25.000	1.000	U	89	%	66-130	
n-Butylbenzene	ug/L	24.408		25.000	1.000	U	98	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.671		25.000	1.000	U	79	%	57-119	
1,2,3-Trichlorobenzene	ug/L	22.528		25.000	1.000	U	90	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163698-023		10/25/2005	1734

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163704

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163698-023		10/25/2005	1734

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000 U							
4-Chlorotoluene	ug/L	1.000 U							
tert-Butylbenzene	ug/L	1.000 U							
1,2,4-Trimethylbenzene	ug/L	1.000 U							
sec-Butylbenzene	ug/L	1.000 U							
p-Isopropyltoluene	ug/L	1.000 U							
n-Butylbenzene	ug/L	1.000 U							
1,2-Dibromo-3-chloropropane	ug/L	1.000 U							
1,2,3-Trichlorobenzene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164556-010		11/03/2005	0857

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 164560

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.596		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	23.139		25.000	1.000 U	93	%	31-182	
Vinyl chloride	ug/L	23.593		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	36.069		25.000	1.000 U	144	%	31-188	
Chloroethane	ug/L	24.925		25.000	1.000 U	100	%	58-148	
Trichlorofluoromethane	ug/L	23.512		25.000	1.000 U	94	%	54-142	
1,1-Dichloroethene	ug/L	23.485		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	19.501		25.000	5.000 U	78	%	21-111	
Acetone	ug/L	15.836		25.000	5.000 U	63	%	14-177	
Methylene chloride	ug/L	24.600		25.000	1.000 U	98	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.967		25.000	1.000 U	100	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.335		25.000	1.000 U	105	%	55-142	
1,1-Dichloroethane	ug/L	24.431		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	26.214		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.399		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	22.335		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	21.150		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	24.934		25.000	1.000 U	100	%	75-122	
1,1,1-Trichloroethane	ug/L	24.721		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.711		25.000	1.000 U	87	%	70-125	
Carbon tetrachloride	ug/L	25.119		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	22.737		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	24.438		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	21.840		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	23.262		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	18.348		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	25.772		25.000	1.000 U	103	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.250		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.661		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	23.219		25.000	1.000 U	93	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.875		24.000	1.000 U	91	%	68-119	
1,1,2-Trichloroethane	ug/L	25.810		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	21.816		25.000	1.000 U	87	%	45-150	
1,3-Dichloropropane	ug/L	24.044		25.000	1.000 U	96	%	72-118	
2-Hexanone	ug/L	22.797		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	24.227		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.135		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	21.805		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.058		25.000	1.000 U	96	%	77-120	
Ethylbenzene	ug/L	23.067		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	44.841		50.000	2.000 U	90	%	75-123	
o-Xylene	ug/L	23.379		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	23.884		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	23.789		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	19.620		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	21.750		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	21.942		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	24.418		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	20.862		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	21.606		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.978		25.000	1.000 U	88	%	70-132	
4-Chlorotoluene	ug/L	20.756		25.000	1.000 U	83	%	70-126	
tert-Butylbenzene	ug/L	21.516		25.000	1.000 U	86	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.358		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	21.066		25.000	1.000 U	84	%	70-134	
p-Isopropyltoluene	ug/L	20.238		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.444		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.125		25.000	1.000 U	92	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.586		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241281 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241283

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/02/2005

Linda S Mackley
Signature

11-02-05
Date

Name: Linda S. Mackley

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This Report Contains (29) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241283
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Sample/Duplicate) had all spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. Sample -2 required a 10x secondary dilution.

John Nagel
GC/MS Dept

11-2-05
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 11/02/2005

Job Number.: 241283
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241283-1	MCA-GW025-16-1005	Water	10/22/2005	09:25	10/25/2005	09:50
241283-2	MCA-GW025-30-1005	Water	10/22/2005	10:00	10/25/2005	09:50
241283-3	MCA-GW025-45-1005	Water	10/22/2005	10:35	10/25/2005	09:50
241283-4	MCA-GW014-45-1005	Water	10/24/2005	16:05	10/25/2005	09:50

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LABORATORY TEST RESULTS

Job Number: 241283

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 09:25
Sample Matrix.....: Water

Laboratory Sample ID: 241283-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Methylene chloride	2.8			0.24	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Trichloroethene	3.3			0.13	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 09:25
Sample Matrix.....: Water

Laboratory Sample ID: 241283-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 09:25
Sample Matrix.....: Water

Laboratory Sample ID: 241283-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164357		11/01/05 1400	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-30-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241283-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1-Dichloroethene	0.80	J		0.25	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Methylene chloride	2.7			0.24	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	trans-1,2-Dichloroethene	1.7			0.29	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	cis-1,2-Dichloroethene	140			2.0	10	10.0000	ug/L	164357	D1	11/01/05 1749	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Trichloroethene	76			0.13	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-30-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241283-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-30-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241283-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164357		11/01/05 1726	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241283-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Methylene chloride	3.1			0.24	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241283-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW025-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241283-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164357		11/01/05 1811	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW014-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 16:05
Sample Matrix.....: Water

Laboratory Sample ID: 241283-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Methylene chloride	3.2			0.24	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW014-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 16:05
Sample Matrix.....: Water

Laboratory Sample ID: 241283-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241283

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW014-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 16:05
Sample Matrix.....: Water

Laboratory Sample ID: 241283-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164357		11/01/05 1834	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241283 Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241283-1 Client ID: MCA-GW025-16-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164339		11/01/2005	1400	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164357	164339	11/01/2005	1400	1.00000

Lab ID: 241283-2 Client ID: MCA-GW025-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164339		11/01/2005	1726	
5030B	5030 10 mL Purge Prep	2	164339		11/01/2005	1749	
8260B	Volatile Organics	1	164357	164339	11/01/2005	1726	1.00000
8260B	Volatile Organics	1	164357	164339	11/01/2005	1749	10.0000

Lab ID: 241283-3 Client ID: MCA-GW025-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164339		11/01/2005	1811	
8260B	Volatile Organics	1	164357	164339	11/01/2005	1811	1.00000

Lab ID: 241283-4 Client ID: MCA-GW014-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164339		11/01/2005	1834	
8260B	Volatile Organics	1	164357	164339	11/01/2005	1834	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164339
Method Code...: 8260B Batch(s).....: 164357

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/01/2005	90	99	99	103
LCS			11/01/2005	89	96	95	104
MB			11/01/2005	92	94	101	101
241283- 1		MCA-GW025-16-1005	11/01/2005	88	91	92	101
241283- 2		MCA-GW025-30-1005	11/01/2005	95	91	96	101
241283- 2	D1	MCA-GW025-30-1005	11/01/2005	96	90	99	100
241283- 3		MCA-GW025-45-1005	11/01/2005	94	92	97	101
241283- 4		MCA-GW014-45-1005	11/01/2005	95	91	99	102

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164357

LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.820	15.395	25.000	1.000 U	63	%	24-171	
						3	R	20	
Chloromethane	ug/L	18.836	20.744	25.000	1.000 U	75	%	31-182	
						10	R	20	
Vinyl chloride	ug/L	21.089	21.141	25.000	1.000 U	84	%	50-145	
						0	R	20	
Bromomethane	ug/L	13.085	21.025	25.000	1.000 U	52	%	31-188	
						47	R	20	*
Chloroethane	ug/L	23.202	22.790	25.000	1.000 U	93	%	58-148	
						2	R	20	
Trichlorofluoromethane	ug/L	19.124	18.298	25.000	1.000 U	76	%	54-142	
						4	R	20	
1,1-Dichloroethene	ug/L	23.863	23.452	25.000	1.000 U	95	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	21.324	20.836	25.000	5.000 U	85	%	21-111	
						2	R	20	
Acetone	ug/L	26.581	38.289	25.000	5.000 U	106	%	14-177	
						36	R	20	*
Methylene chloride	ug/L	25.755	25.477	25.000	1.000 U	103	%	64-127	
						1	R	20	
trans-1,2-Dichloroethene	ug/L	24.260	24.287	25.000	1.000 U	97	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.538	24.343	25.000	1.000 U	98	%	55-142	
						1	R	20	
1,1-Dichloroethane	ug/L	23.429	22.829	25.000	1.000 U	94	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	23.381	24.211	25.000	1.000 U	94	%	68-127	
						3	R	20	
cis-1,2-Dichloroethene	ug/L	24.888	24.350	25.000	1.000 U	100	%	70-125	
						2	R	20	
2-Butanone (MEK)	ug/L	23.519	24.504	25.000	5.000 U	94	%	29-139	
						4	R	20	
Bromochloromethane	ug/L	24.973	24.152	25.000	1.000 U	100	%	57-116	
						3	R	20	
Chloroform	ug/L	23.820	22.925	25.000	1.000 U	95	%	75-122	
						4	R	20	
1,1,1-Trichloroethane	ug/L	23.619	23.161	25.000	1.000 U	94	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	23.017	22.472	25.000	1.000 U	92	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	22.874	22.665	25.000	1.000 U	91	%	64-132	
						1	R	20	
Benzene	ug/L	23.768	23.791	25.000	1.000 U	95	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	21.029	21.277	25.000	1.000 U	84	%	67-120	
						1	R	20	
Trichloroethene	ug/L	23.931	24.435	25.000	1.000 U	96	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	22.497	23.270	25.000	1.000 U	90	%	76-116	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K010SA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	22.395	22.570	25.000	1.000 U	90 1	% R	68-116 20	
Bromodichloromethane	ug/L	25.348	24.946	25.000	1.000 U	101 2	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	24.619	25.997	26.000	1.000 U	95 5	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.024	23.752	25.000	5.000 U	92 3	% R	39-137 20	
Toluene	ug/L	25.102	25.218	25.000	1.000 U	100 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	21.796	22.798	24.000	1.000 U	91 4	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.677	24.511	25.000	1.000 U	99 1	% R	63-127 20	
Tetrachloroethene	ug/L	23.951	23.812	25.000	1.000 U	96 1	% R	45-150 20	
1,3-Dichloropropane	ug/L	23.568	23.140	25.000	1.000 U	94 2	% R	72-118 20	
2-Hexanone	ug/L	20.983	24.394	25.000	5.000 U	84 15	% R	36-144 20	
Dibromochloromethane	ug/L	25.204	24.188	25.000	1.000 U	101 4	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	24.189	24.463	25.000	1.000 U	97 1	% R	62-123 20	
Chlorobenzene	ug/L	23.701	23.525	25.000	1.000 U	95 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	25.470	24.826	25.000	1.000 U	102 3	% R	77-120 20	
Ethylbenzene	ug/L	24.793	24.963	25.000	1.000 U	99 1	% R	75-125 20	
m&p-Xylenes	ug/L	50.161	49.509	50.000	2.000 U	100 1	% R	75-123 20	
o-Xylene	ug/L	25.870	25.036	25.000	1.000 U	103 3	% R	76-121 20	
Styrene	ug/L	23.811	23.264	25.000	1.000 U	95 2	% R	77-128 20	
Bromoform	ug/L	24.681	24.522	25.000	1.000 U	99 1	% R	65-115 20	
Isopropylbenzene	ug/L	23.408	23.113	25.000	1.000 U	94 1	% R	64-119 20	
Bromobenzene	ug/L	25.768	25.756	25.000	1.000 U	103 0	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	23.354	23.972	25.000	1.000 U	93 3	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	23.290	24.144	25.000	1.000 U	93 4	% R	62-124 20	
n-Propylbenzene	ug/L	23.164	22.603	25.000	1.000 U	93 2	% R	69-132 20	
2-Chlorotoluene	ug/L	25.607	25.591	25.000	1.000 U	102 0	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	24.819	24.236	25.000	1.000 U	99 2	% R	70-132 20	
4-Chlorotoluene	ug/L	24.890	24.630	25.000	1.000 U	100 1	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.947	22.678	25.000	1.000	U	96 5	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	25.724	23.990	25.000	1.000	U	103 7	% R	71-131 20	
sec-Butylbenzene	ug/L	22.927	21.720	25.000	1.000	U	92 5	% R	70-134 20	
p-Isopropyltoluene	ug/L	22.405	21.964	25.000	1.000	U	90 2	% R	66-130 20	
n-Butylbenzene	ug/L	22.470	22.392	25.000	1.000	U	90 0	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	21.777	19.846	25.000	1.000	U	87 9	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	24.537	25.632	25.000	1.000	U	98 4	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K01DSA	164339-019		11/01/2005	1013

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164357

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.395		25.000	1.000 U	62	%	24-171	
Chloromethane	ug/L	20.744		25.000	1.000 U	83	%	31-182	
Vinyl chloride	ug/L	21.141		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	21.025		25.000	1.000 U	84	%	31-188	
Chloroethane	ug/L	22.790		25.000	1.000 U	91	%	58-148	
Trichlorofluoromethane	ug/L	18.298		25.000	1.000 U	73	%	54-142	
1,1-Dichloroethene	ug/L	23.452		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	20.836		25.000	5.000 U	83	%	21-111	
Acetone	ug/L	38.289		25.000	5.000 U	153	%	14-177	
Methylene chloride	ug/L	25.477		25.000	1.000 U	102	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.287		25.000	1.000 U	97	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.343		25.000	1.000 U	97	%	55-142	
1,1-Dichloroethane	ug/L	22.829		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	24.211		25.000	1.000 U	97	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.350		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	24.504		25.000	5.000 U	98	%	29-139	
Bromochloromethane	ug/L	24.152		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	22.925		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.161		25.000	1.000 U	93	%	70-127	
1,1-Dichloropropene	ug/L	22.472		25.000	1.000 U	90	%	70-125	
Carbon tetrachloride	ug/L	22.665		25.000	1.000 U	91	%	64-132	
Benzene	ug/L	23.791		25.000	1.000 U	95	%	75-122	
1,2-Dichloroethane	ug/L	21.277		25.000	1.000 U	85	%	67-120	
Trichloroethene	ug/L	24.435		25.000	1.000 U	98	%	70-125	
1,2-Dichloropropane	ug/L	23.270		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	22.570		25.000	1.000 U	90	%	68-116	
Bromodichloromethane	ug/L	24.946		25.000	1.000 U	100	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.997		26.000	1.000 U	100	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.752		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	25.218		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.798		24.000	1.000 U	95	%	68-119	
1,1,2-Trichloroethane	ug/L	24.511		25.000	1.000 U	98	%	63-127	
Tetrachloroethene	ug/L	23.812		25.000	1.000 U	95	%	45-150	
1,3-Dichloropropane	ug/L	23.140		25.000	1.000 U	93	%	72-118	
2-Hexanone	ug/L	24.394		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	24.188		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.463		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	23.525		25.000	1.000 U	94	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.826		25.000	1.000 U	99	%	77-120	
Ethylbenzene	ug/L	24.963		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	49.509		50.000	2.000 U	99	%	75-123	
o-Xylene	ug/L	25.036		25.000	1.000 U	100	%	76-121	
Styrene	ug/L	23.264		25.000	1.000 U	93	%	77-128	
Bromoform	ug/L	24.522		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	23.113		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	25.756		25.000	1.000 U	103	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	23.972		25.000	1.000 U	96	%	61-122	
1,2,3-Trichloropropane	ug/L	24.144		25.000	1.000 U	97	%	62-124	
n-Propylbenzene	ug/L	22.603		25.000	1.000 U	90	%	69-132	
2-Chlorotoluene	ug/L	25.591		25.000	1.000 U	102	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K01DSA	164339-019		11/01/2005	1013

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.236		25.000	1.000 U	97	%	70-132	
4-Chlorotoluene	ug/L	24.630		25.000	1.000 U	99	%	70-126	
tert-Butylbenzene	ug/L	22.678		25.000	1.000 U	91	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.990		25.000	1.000 U	96	%	71-131	
sec-Butylbenzene	ug/L	21.720		25.000	1.000 U	87	%	70-134	
p-Isopropyltoluene	ug/L	21.964		25.000	1.000 U	88	%	66-130	
n-Butylbenzene	ug/L	22.392		25.000	1.000 U	90	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.846		25.000	1.000 U	79	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.632		25.000	1.000 U	103	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164339-018		11/01/2005	0950

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164357

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241283 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164339-018		11/01/2005	0950

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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Bill To:
Contact: Same
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 4

Lab Lot# 241283

Package Sealed: Yes / No	Samples Sealed: Yes / No
Received on Ice: Yes / No	Samples Intact: Yes / No
Temperature °C of Cooler: (2.0)	(2.4)
Within Hold Time: Yes / No	Preserv. Indicated: Yes / No / NA
pH Check OK: Yes / No / NA	Res Cl_2 Check OK: Yes / No / NA
Sample Labels and COC Agree: Yes / No	COC not present

Sampler Name: M. Jackson
Signature: Michael D. Jackson
Project Name: Groundwater Plume Delineation
Project Number: OMA009-001
Project Location: MCA Barracks Albion, NY
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: Linda Mankiewicz

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv.	VOCs 8260B	VOCs 8260B	Florida Method	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW020-45-1005	10-22-05	0955	W	G		3	40ml	HCl	X				24 HR TAT
		MCA-S0012-4-6-1005		0915	S	C		1	4oz	ice		X			STD TAT TerraCore Kit
1		MCA-GW025-16-1005		0925	W	G		3	40ml	HCl	X				1 Day TAT 5 Day TAT
2		MCA-GW025-30-1005		1000	↓	↓		↓	↓	↓	↓				↓
3		MCA-GW025-45-1005		1035	↓	↓		↓	↓	↓	↓				↓
		MCA-S0014-4-6-1005		1140	S	C		1	4oz	ice		X			STD TAT TerraCore Kit
		MCA-GW027-16-1005		1420	W	G		3	40ml	HCl	X				3 Day TAT
		MCA-GW027-30-1005		1500	↓	↓		↓	↓	↓	↓				↓
		MCA-S0013-4-6-1005		1555	S	C		1	4oz	ice		X			STD TAT TerraCore Kit
		MCA-SOMS102-1005		1555	↓	↓		↓	↓	↓		↓			↓
		MCA-SOMSD102-1005		1555	↓	↓		↓	↓	↓		↓			↓
		MCA-GW026-16-1005	↓	1600	W	G		2	40ml	HCl				X	STD TAT (2 VOAs only)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Michael D. Jackson	H&L	10-24-05	1850		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, SE = Sediment
W = Water, SO = Solid
S = Soil, DS = Drum Solid
SL = Sludge, DL = Drum Liquid
MS = Miscellaneous, L = Leachate
OL = Oil, WI = Wipe
A = Air, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = Standard TAT

Date Received 10 / 25 / 05
Courier: FX Hand Delivered
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL NORTHROP TO GRUMMAN PARK
Address: 312 USHERS RD BALLSTON LAKE, NY 12819
Phone: (518) 877-8310
Fax: (518) 877-0414
E-Mail: EEVANS@HGL.com

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: ON0009-001 Quote:

Shaded Areas For Internal Use Only 4 of 4

Lab Lot# 241283

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: ON0009-001
Project Location: MCA GARRISON & HUNTER AAF
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: LINDA MACKEY

Refrg #			
# / Cont.	3	3	3
Volume	40ml	40ml	40ml
Preserv	HCl	HCl	none

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
4		~~Grab~~ MCA-GW01-45-1005	10-24-05	1005	W	G			X	NO PRESERVATIVE 5 DAY TAT
		MCA-GWDup106-1005	↓	0846					↓	NO PRESERVATIVE STD TAT
		EB102305	10-23-05	1700			X			STD TAT (5 DAY TAT)
		TB102405A	10-24-05	1801				X		
		TB102405B	↓	1800	↓	↓		↓		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-25-05	1850		SR	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10/25/05
Courier: FX Hand Delivered
Bill of Lading see attached

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241282

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/02/2005

Linda S Mackley
Signature

11-2-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (48) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241282
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Sample/Duplicate) had all spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample 4. The MS and MSD samples had all spike recoveries within the QC limits.

5. The Method Blank for batch 164218 had one surrogate above the QAPP specified QC limits, but within the in house QC limits. Further corrective action was not required. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. Samples 1 and 3 required initial dilutions and samples 1, 2, and 3 required secondary dilutions for target compounds.

John Nagel
GC/MS Dept

11-2-05
Date

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SAMPLE INFORMATION
Date: 11/02/2005

Job Number.: 241282
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241282-1	MCA-GW027-16-1005	Water	10/22/2005	14:20	10/25/2005	09:50
241282-2	MCA-GW027-30-1005	Water	10/22/2005	15:00	10/25/2005	09:50
241282-3	MCA-GW027-45-1005	Water	10/22/2005	16:30	10/25/2005	09:50
241282-4	MCA-GW019-12-1005	Water	10/24/2005	10:35	10/25/2005	09:50
241282-5	MCA-GW019-30-1005	Water	10/24/2005	11:05	10/25/2005	09:50
241282-6	MCA-GW019-45-1005	Water	10/24/2005	11:40	10/25/2005	09:50

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LABORATORY TEST RESULTS

Job Number: 241282

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241282-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	10	U		1.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Chloromethane	10	U		2.0	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Vinyl chloride	10	U		1.6	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Bromomethane	10	U	*	5.9	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Chloroethane	10	U		3.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Trichlorofluoromethane	10	U		1.4	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1-Dichloroethene	10	U		2.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Carbon disulfide	50	U		1.5	50	10.0000	ug/L	164249		10/31/05 1539	jdn
	Acetone	50	U	*	14	50	10.0000	ug/L	164249		10/31/05 1539	jdn
	Methylene chloride	10	U		2.4	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	trans-1,2-Dichloroethene	10	U		2.9	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Methyl-tert-butyl-ether (MTBE)	10	U		2.1	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1-Dichloroethane	10	U		1.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	2,2-Dichloropropane	10	U		1.7	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	cis-1,2-Dichloroethene	29			2.0	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	2-Butanone (MEK)	50	U		10	50	10.0000	ug/L	164249		10/31/05 1539	jdn
	Bromochloromethane	10	U		2.7	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Chloroform	10	U		1.4	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1,1-Trichloroethane	10	U		1.7	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1-Dichloropropene	10	U		3.8	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Carbon tetrachloride	10	U		3.4	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Benzene	10	U		2.3	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,2-Dichloroethane	10	U		2.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Trichloroethene	10	U		1.3	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,2-Dichloropropane	10	U		1.9	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Dibromomethane	10	U		2.1	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Bromodichloromethane	10	U		2.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	cis-1,3-Dichloropropene	10	U		1.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241282-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	50	U		9.2	50	10.0000	ug/L	164249		10/31/05 1539	jdn
	Toluene	10	U		1.8	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	trans-1,3-Dichloropropene	10	U		1.6	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1,2-Trichloroethane	10	U		2.4	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Tetrachloroethene	10	U		1.8	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,3-Dichloropropane	10	U		2.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	2-Hexanone	50	U		9.9	50	10.0000	ug/L	164249		10/31/05 1539	jdn
	Dibromochloromethane	10	U		2.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,2-Dibromoethane (EDB)	10	U		3.3	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Chlorobenzene	10	U		1.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1,1,2-Tetrachloroethane	10	U		3.3	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Ethylbenzene	46			2.1	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	m&p-Xylenes	420			3.6	20	10.0000	ug/L	164249		10/31/05 1539	jdn
	o-Xylene	10	U		1.9	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Styrene	10	U		1.8	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Bromoform	10	U		3.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Isopropylbenzene	52			2.0	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	Bromobenzene	10	U		2.2	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,1,2,2-Tetrachloroethane	10	U		3.4	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,2,3-Trichloropropane	10	U		3.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	n-Propylbenzene	90			1.6	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	2-Chlorotoluene	10	U		1.6	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,3,5-Trimethylbenzene	670			1.8	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	4-Chlorotoluene	10	U		1.8	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	tert-Butylbenzene	12		H	1.6	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,2,4-Trimethylbenzene	2100			26	100	100.000	ug/L	164249	D1	10/31/05 1602	jdn
	sec-Butylbenzene	37			1.9	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	p-Isopropyltoluene	55			2.9	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	n-Butylbenzene	10	U		3.5	10	10.0000	ug/L	164249		10/31/05 1539	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 241282-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	10	U		4.1	10	10.0000	ug/L	164249		10/31/05 1539	jdn
	1,2,3-Trichlorobenzene	10	U		4.3	10	10.0000	ug/L	164249		10/31/05 1539	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-30-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241282-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Acetone	8.7		*	1.4	5.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Methylene chloride	2.9			0.24	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	cis-1,2-Dichloroethene	1.6			0.20	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-30-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241282-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Ethylbenzene	3.8			0.21	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	m&p-Xylenes	34			0.36	2.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	o-Xylene	1.0			0.19	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Isopropylbenzene	10			0.20	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	n-Propylbenzene	22			0.16	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,3,5-Trimethylbenzene	120			0.90	5.0	5.00000	ug/L	164249	D1	10/31/05 1625	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	tert-Butylbenzene	4.6			0.16	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,2,4-Trimethylbenzene	280			1.3	5.0	5.00000	ug/L	164249	D1	10/31/05 1625	jdn
	sec-Butylbenzene	18			0.19	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	p-Isopropyltoluene	26			0.29	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282

Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-30-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241282-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164357		11/01/05 1942	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241282-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	2.0	U		0.24	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Chloromethane	2.0	U		0.40	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Vinyl chloride	2.0	U		0.32	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Bromomethane	2.0	U	*	1.2	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Chloroethane	2.0	U		0.64	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Trichlorofluoromethane	2.0	U		0.28	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1-Dichloroethene	2.0	U		0.50	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Carbon disulfide	10	U		0.30	10	2.00000	ug/L	164357		11/01/05 2005	jdn
	Acetone	18		*	2.8	10	2.00000	ug/L	164357		11/01/05 2005	jdn
	Methylene chloride	6.4			0.48	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	trans-1,2-Dichloroethene	2.0	U		0.58	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Methyl-tert-butyl-ether (MTBE)	2.0	U		0.42	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1-Dichloroethane	2.0	U		0.30	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	2,2-Dichloropropane	2.0	U		0.34	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	cis-1,2-Dichloroethene	1.6	J		0.40	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	2-Butanone (MEK)	10	U		2.0	10	2.00000	ug/L	164357		11/01/05 2005	jdn
	Bromochloromethane	2.0	U		0.54	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Chloroform	2.0	U		0.28	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1,1-Trichloroethane	2.0	U		0.34	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1-Dichloropropene	2.0	U		0.76	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Carbon tetrachloride	2.0	U		0.68	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Benzene	2.0	U		0.46	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,2-Dichloroethane	2.0	U		0.50	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Trichloroethene	2.0	U		0.26	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,2-Dichloropropane	2.0	U		0.38	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Dibromomethane	2.0	U		0.42	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Bromodichloromethane	2.0	U		0.44	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	cis-1,3-Dichloropropene	2.0	U		0.30	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241282-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	10	U		1.8	10	2.00000	ug/L	164357		11/01/05 2005	jdn
	Toluene	2.0	U		0.36	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	trans-1,3-Dichloropropene	2.0	U		0.32	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1,2-Trichloroethane	2.0	U		0.48	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Tetrachloroethene	2.0	U		0.36	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,3-Dichloropropane	2.0	U		0.44	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	2-Hexanone	10	U		2.0	10	2.00000	ug/L	164357		11/01/05 2005	jdn
	Dibromochloromethane	2.0	U		0.44	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,2-Dibromoethane (EDB)	2.0	U		0.66	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Chlorobenzene	2.0	U		0.30	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1,1,2-Tetrachloroethane	2.0	U		0.66	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Ethylbenzene	14			0.42	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	m&p-Xylenes	120			0.72	4.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	o-Xylene	1.8	J		0.38	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Styrene	2.0	U		0.36	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Bromoform	2.0	U		0.64	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Isopropylbenzene	27			0.40	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	Bromobenzene	2.0	U		0.44	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,1,2,2-Tetrachloroethane	2.0	U		0.68	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,2,3-Trichloropropane	2.0	U		0.70	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	n-Propylbenzene	51			0.32	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	2-Chlorotoluene	2.0	U		0.32	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,3,5-Trimethylbenzene	310			1.8	10	10.0000	ug/L	164249	D1	10/31/05 1710	jdn
	4-Chlorotoluene	2.0	U		0.36	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	tert-Butylbenzene	8.4			0.32	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,2,4-Trimethylbenzene	770			2.6	10	10.0000	ug/L	164249	D1	10/31/05 1710	jdn
	sec-Butylbenzene	27			0.38	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	p-Isopropyltoluene	41			0.58	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	n-Butylbenzene	2.0	U		0.70	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW027-45-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241282-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	2.0	U		0.82	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn
	1,2,3-Trichlorobenzene	2.0	U		0.86	2.0	2.00000	ug/L	164357		11/01/05 2005	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-12-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241282-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Acetone	19		*	1.4	5.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-12-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241282-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282

Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-12-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 241282-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164249		10/31/05 1756	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeologic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241282-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	cis-1,2-Dichloroethene	15			0.20	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Trichloroethene	11			0.13	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241282-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-30-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241282-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164249		10/31/05 1904	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 11:40
Sample Matrix.....: Water

Laboratory Sample ID: 241282-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282 Date:11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 11:40
Sample Matrix.....: Water

Laboratory Sample ID: 241282-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241282

Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW019-45-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 11:40
Sample Matrix.....: Water

Laboratory Sample ID: 241282-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164249		10/31/05 1927	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241282 Date: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241282-1 Client ID: MCA-GW027-16-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164218		10/31/2005	1539	
5030B	5030 10 mL Purge Prep	2	164218		10/31/2005	1602	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164249	164218	10/31/2005	1539	10.0000
8260B	Volatile Organics	1	164249	164218	10/31/2005	1602	100.000

Lab ID: 241282-2 Client ID: MCA-GW027-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164218		10/31/2005	1625	
5030B	5030 10 mL Purge Prep	2	164339		11/01/2005	1942	
8260B	Volatile Organics	1	164249	164218	10/31/2005	1625	5.00000
8260B	Volatile Organics	1	164357	164339	11/01/2005	1942	1.00000

Lab ID: 241282-3 Client ID: MCA-GW027-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164218		10/31/2005	1710	
5030B	5030 10 mL Purge Prep	2	164339		11/01/2005	2005	
8260B	Volatile Organics	1	164249	164218	10/31/2005	1710	10.0000
8260B	Volatile Organics	1	164357	164339	11/01/2005	2005	2.00000

Lab ID: 241282-4 Client ID: MCA-GW019-12-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164218		10/31/2005	1756	
8260B	Volatile Organics	1	164249	164218	10/31/2005	1756	1.00000

Lab ID: 241282-5 Client ID: MCA-GW019-30-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164218		10/31/2005	1904	
8260B	Volatile Organics	1	164249	164218	10/31/2005	1904	1.00000

Lab ID: 241282-6 Client ID: MCA-GW019-45-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164218		10/31/2005	1927	
8260B	Volatile Organics	1	164249	164218	10/31/2005	1927	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164218
Method Code...: 8260B Batch(s).....: 164249

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/31/2005	105	99	113	105
LCS			10/31/2005	109	102	110	106
MB			10/31/2005	114	93	117*	101
241282- 1		MCA-GW027-16-1005	10/31/2005	117	108	107	105
241282- 1	D1	MCA-GW027-16-1005	10/31/2005	110	101	104	102
241282- 2	D1	MCA-GW027-30-1005	10/31/2005	106	100	100	102
241282- 3	D1	MCA-GW027-45-1005	10/31/2005	106	99	103	102
241282- 4		MCA-GW019-12-1005	10/31/2005	104	92	104	102
241282- 4	MS	MCA-GW019-12-1005	10/31/2005	103	101	103	103
241282- 4	MSD	MCA-GW019-12-1005	10/31/2005	103	99	104	102
241282- 5		MCA-GW019-30-1005	10/31/2005	101	93	99	100
241282- 6		MCA-GW019-45-1005	10/31/2005	106	92	103	103

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164339
Method Code...: 8260B Batch(s).....: 164357

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/01/2005	90	99	99	103
LCS			11/01/2005	89	96	95	104
MB			11/01/2005	92	94	101	101
241282- 2		MCA-GW027-30-1005	11/01/2005	95	106	99	104
241282- 3		MCA-GW027-45-1005	11/01/2005	90	99	93	102

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241282 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J31DSA	164218-026		10/31/2005	1949

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164249

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.753	11.489	25.000	1.000 U	47	%	24-171	
						2	R	20	
Chloromethane	ug/L	21.166	22.112	25.000	1.000 U	85	%	31-182	
						4	R	20	
Vinyl chloride	ug/L	21.977	21.835	25.000	1.000 U	88	%	50-145	
						1	R	20	
Bromomethane	ug/L	20.446	25.588	25.000	1.000 U	82	%	31-188	
						22	R	20	*
Chloroethane	ug/L	25.656	25.540	25.000	1.000 U	103	%	58-148	
						0	R	20	
Trichlorofluoromethane	ug/L	18.362	18.136	25.000	1.000 U	73	%	54-142	
						1	R	20	
1,1-Dichloroethene	ug/L	23.672	22.772	25.000	1.000 U	95	%	51-136	
						4	R	20	
Carbon disulfide	ug/L	22.283	21.701	25.000	5.000 U	89	%	21-111	
						3	R	20	
Acetone	ug/L	26.743	43.341	25.000	5.000 U	107	%	14-177	
						47	R	20	*
Methylene chloride	ug/L	25.931	25.477	25.000	1.000 U	104	%	64-127	
						2	R	20	
trans-1,2-Dichloroethene	ug/L	26.099	25.379	25.000	1.000 U	104	%	62-138	
						3	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.344	26.577	25.000	1.000 U	109	%	55-142	
						3	R	20	
1,1-Dichloroethane	ug/L	26.147	25.252	25.000	1.000 U	105	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	26.177	27.673	25.000	1.000 U	105	%	68-127	
						6	R	20	
cis-1,2-Dichloroethene	ug/L	26.851	26.019	25.000	1.000 U	107	%	70-125	
						3	R	20	
2-Butanone (MEK)	ug/L	25.897	25.349	25.000	5.000 U	104	%	29-139	
						2	R	20	
Bromochloromethane	ug/L	27.932	27.813	25.000	1.000 U	112	%	57-116	
						0	R	20	
Chloroform	ug/L	27.870	27.198	25.000	1.000 U	111	%	75-122	
						2	R	20	
1,1,1-Trichloroethane	ug/L	26.852	26.704	25.000	1.000 U	107	%	70-127	
						1	R	20	
1,1-Dichloropropene	ug/L	23.587	22.934	25.000	1.000 U	94	%	70-125	
						3	R	20	
Carbon tetrachloride	ug/L	23.412	24.480	25.000	1.000 U	94	%	64-132	
						4	R	20	
Benzene	ug/L	24.152	24.157	25.000	1.000 U	97	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	24.271	25.773	25.000	1.000 U	97	%	67-120	
						6	R	20	
Trichloroethene	ug/L	24.115	23.854	25.000	1.000 U	96	%	70-125	
						1	R	20	
1,2-Dichloropropane	ug/L	23.923	23.462	25.000	1.000 U	96	%	76-116	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J31DSA	164218-026		10/31/2005	1949

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	24.674	24.371	25.000	1.000 U	99 1	% R	68-116 20	
Bromodichloromethane	ug/L	27.606	28.256	25.000	1.000 U	110 2	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	25.749	26.635	26.000	1.000 U	99 3	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.510	23.412	25.000	5.000 U	90 4	% R	39-137 20	
Toluene	ug/L	25.405	25.299	25.000	1.000 U	102 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	23.879	24.576	24.000	1.000 U	99 3	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	27.595	27.191	25.000	1.000 U	110 1	% R	63-127 20	
Tetrachloroethene	ug/L	22.403	23.124	25.000	1.000 U	90 3	% R	45-150 20	
1,3-Dichloropropane	ug/L	24.324	23.874	25.000	1.000 U	97 2	% R	72-118 20	
2-Hexanone	ug/L	21.321	22.296	25.000	5.000 U	85 4	% R	36-144 20	
Dibromochloromethane	ug/L	26.603	26.512	25.000	1.000 U	106 0	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	25.174	25.669	25.000	1.000 U	101 2	% R	62-123 20	
Chlorobenzene	ug/L	23.548	23.727	25.000	1.000 U	94 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	26.458	26.226	25.000	1.000 U	106 1	% R	77-120 20	
Ethylbenzene	ug/L	23.982	24.129	25.000	1.000 U	96 1	% R	75-125 20	
m&p-Xylenes	ug/L	49.102	50.091	50.000	2.000 U	98 2	% R	75-123 20	
o-Xylene	ug/L	25.499	25.907	25.000	1.000 U	102 2	% R	76-121 20	
Styrene	ug/L	23.042	23.777	25.000	1.000 U	92 3	% R	77-128 20	
Bromoform	ug/L	26.313	27.309	25.000	1.000 U	105 4	% R	65-115 20	
Isopropylbenzene	ug/L	21.535	20.684	25.000	1.000 U	86 4	% R	64-119 20	
Bromobenzene	ug/L	24.873	24.334	25.000	1.000 U	99 2	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	23.566	22.806	25.000	1.000 U	94 3	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	23.935	22.884	25.000	1.000 U	96 4	% R	62-124 20	
n-Propylbenzene	ug/L	21.076	20.864	25.000	1.000 U	84 1	% R	69-132 20	
2-Chlorotoluene	ug/L	24.793	24.183	25.000	1.000 U	99 2	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	23.473	22.767	25.000	1.000 U	94 3	% R	70-132 20	
4-Chlorotoluene	ug/L	24.520	24.389	25.000	1.000 U	98 1	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J31DSA	164218-026		10/31/2005	1949

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.911	21.248	25.000	1.000	U	88 3	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	23.484	23.025	25.000	1.000	U	94 2	% R	71-131 20	
sec-Butylbenzene	ug/L	20.080	19.744	25.000	1.000	U	80 2	% R	70-134 20	
p-Isopropyltoluene	ug/L	20.644	20.546	25.000	1.000	U	83 0	% R	66-130 20	
n-Butylbenzene	ug/L	20.140	20.582	25.000	1.000	U	81 2	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	21.461	20.002	25.000	1.000	U	86 7	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	24.410	24.438	25.000	1.000	U	98 0	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J31DSA	164218-025		10/31/2005	0958

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164249

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.489		25.000	1.000 U	46	%	24-171	
Chloromethane	ug/L	22.112		25.000	1.000 U	88	%	31-182	
Vinyl chloride	ug/L	21.835		25.000	1.000 U	87	%	50-145	
Bromomethane	ug/L	25.588		25.000	1.000 U	102	%	31-188	
Chloroethane	ug/L	25.540		25.000	1.000 U	102	%	58-148	
Trichlorofluoromethane	ug/L	18.136		25.000	1.000 U	73	%	54-142	
1,1-Dichloroethene	ug/L	22.772		25.000	1.000 U	91	%	51-136	
Carbon disulfide	ug/L	21.701		25.000	5.000 U	87	%	21-111	
Acetone	ug/L	43.341		25.000	5.000 U	173	%	14-177	
Methylene chloride	ug/L	25.477		25.000	1.000 U	102	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.379		25.000	1.000 U	102	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.577		25.000	1.000 U	106	%	55-142	
1,1-Dichloroethane	ug/L	25.252		25.000	1.000 U	101	%	70-124	
2,2-Dichloropropane	ug/L	27.673		25.000	1.000 U	111	%	68-127	
cis-1,2-Dichloroethene	ug/L	26.019		25.000	1.000 U	104	%	70-125	
2-Butanone (MEK)	ug/L	25.349		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	27.813		25.000	1.000 U	111	%	57-116	
Chloroform	ug/L	27.198		25.000	1.000 U	109	%	75-122	
1,1,1-Trichloroethane	ug/L	26.704		25.000	1.000 U	107	%	70-127	
1,1-Dichloropropene	ug/L	22.934		25.000	1.000 U	92	%	70-125	
Carbon tetrachloride	ug/L	24.480		25.000	1.000 U	98	%	64-132	
Benzene	ug/L	24.157		25.000	1.000 U	97	%	75-122	
1,2-Dichloroethane	ug/L	25.773		25.000	1.000 U	103	%	67-120	
Trichloroethene	ug/L	23.854		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	23.462		25.000	1.000 U	94	%	76-116	
Dibromomethane	ug/L	24.371		25.000	1.000 U	97	%	68-116	
Bromodichloromethane	ug/L	28.256		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	26.635		26.000	1.000 U	102	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.412		25.000	5.000 U	94	%	39-137	
Toluene	ug/L	25.299		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	24.576		24.000	1.000 U	102	%	68-119	
1,1,2-Trichloroethane	ug/L	27.191		25.000	1.000 U	109	%	63-127	
Tetrachloroethene	ug/L	23.124		25.000	1.000 U	92	%	45-150	
1,3-Dichloropropane	ug/L	23.874		25.000	1.000 U	95	%	72-118	
2-Hexanone	ug/L	22.296		25.000	5.000 U	89	%	36-144	
Dibromochloromethane	ug/L	26.512		25.000	1.000 U	106	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	25.669		25.000	1.000 U	103	%	62-123	
Chlorobenzene	ug/L	23.727		25.000	1.000 U	95	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.226		25.000	1.000 U	105	%	77-120	
Ethylbenzene	ug/L	24.129		25.000	1.000 U	97	%	75-125	
m&p-Xylenes	ug/L	50.091		50.000	2.000 U	100	%	75-123	
o-Xylene	ug/L	25.907		25.000	1.000 U	104	%	76-121	
Styrene	ug/L	23.777		25.000	1.000 U	95	%	77-128	
Bromoform	ug/L	27.309		25.000	1.000 U	109	%	65-115	
Isopropylbenzene	ug/L	20.684		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	24.334		25.000	1.000 U	97	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.806		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	22.884		25.000	1.000 U	92	%	62-124	
n-Propylbenzene	ug/L	20.864		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	24.183		25.000	1.000 U	97	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J31DSA	164218-025		10/31/2005	0958

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	22.767		25.000	1.000 U	91	%	70-132	
4-Chlorotoluene	ug/L	24.389		25.000	1.000 U	98	%	70-126	
tert-Butylbenzene	ug/L	21.248		25.000	1.000 U	85	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.025		25.000	1.000 U	92	%	71-131	
sec-Butylbenzene	ug/L	19.744		25.000	1.000 U	79	%	70-134	
p-Isopropyltoluene	ug/L	20.546		25.000	1.000 U	82	%	66-130	
n-Butylbenzene	ug/L	20.582		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.002		25.000	1.000 U	80	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.438		25.000	1.000 U	98	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164218-024		10/31/2005	0935

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164249

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164218-024		10/31/2005	0935

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J31DSA	241282-4		10/31/2005	1819

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164249

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	21.459		25.000	1.000 U	86	%	24-171	
Chloromethane	ug/L	19.285		25.000	1.000 U	77	%	31-182	
Vinyl chloride	ug/L	21.994		25.000	1.000 U	88	%	50-145	
Bromomethane	ug/L	26.169		25.000	1.000 U	105	%	31-188	
Chloroethane	ug/L	24.075		25.000	1.000 U	96	%	58-148	
Trichlorofluoromethane	ug/L	24.675		25.000	1.000 U	99	%	54-142	
1,1-Dichloroethene	ug/L	23.265		25.000	1.000 U	93	%	51-136	
Carbon disulfide	ug/L	21.808		25.000	5.000 U	87	%	21-111	
Acetone	ug/L	38.333		25.000	19.141	77	%	14-177	
Methylene chloride	ug/L	23.053		25.000	1.000 U	92	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.699		25.000	1.000 U	95	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.930		25.000	1.000 U	100	%	55-142	
1,1-Dichloroethane	ug/L	23.512		25.000	1.000 U	94	%	70-124	
2,2-Dichloropropane	ug/L	24.617		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.251		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	24.410		25.000	5.000 U	98	%	29-139	
Bromochloromethane	ug/L	25.851		25.000	1.000 U	103	%	57-116	
Chloroform	ug/L	24.674		25.000	1.000 U	99	%	75-122	
1,1,1-Trichloroethane	ug/L	25.497		25.000	1.000 U	102	%	70-127	
1,1-Dichloropropene	ug/L	22.990		25.000	1.000 U	92	%	70-125	
Carbon tetrachloride	ug/L	25.239		25.000	1.000 U	101	%	64-132	
Benzene	ug/L	23.371		25.000	1.000 U	93	%	75-122	
1,2-Dichloroethane	ug/L	23.439		25.000	1.000 U	94	%	67-120	
Trichloroethene	ug/L	23.723		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	22.810		25.000	1.000 U	91	%	76-116	
Dibromomethane	ug/L	23.865		25.000	1.000 U	95	%	68-116	
Bromodichloromethane	ug/L	26.966		25.000	1.000 U	108	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.464		26.000	1.000 U	94	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.896		25.000	5.000 U	88	%	39-137	
Toluene	ug/L	24.506		25.000	1.000 U	98	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.165		24.000	1.000 U	97	%	68-119	
1,1,2-Trichloroethane	ug/L	25.082		25.000	1.000 U	100	%	63-127	
Tetrachloroethene	ug/L	23.888		25.000	1.000 U	96	%	45-150	
1,3-Dichloropropane	ug/L	23.792		25.000	1.000 U	95	%	72-118	
2-Hexanone	ug/L	19.841		25.000	5.000 U	79	%	36-144	
Dibromochloromethane	ug/L	26.209		25.000	1.000 U	105	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.841		25.000	1.000 U	99	%	62-123	
Chlorobenzene	ug/L	23.153		25.000	1.000 U	93	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.184		25.000	1.000 U	105	%	77-120	
Ethylbenzene	ug/L	24.400		25.000	1.000 U	98	%	75-125	
m&p-Xylenes	ug/L	50.383		50.000	2.000 U	101	%	75-123	
o-Xylene	ug/L	25.302		25.000	1.000 U	101	%	76-121	
Styrene	ug/L	22.775		25.000	1.000 U	91	%	77-128	
Bromoform	ug/L	25.752		25.000	1.000 U	103	%	65-115	
Isopropylbenzene	ug/L	22.094		25.000	1.000 U	88	%	64-119	
Bromobenzene	ug/L	25.308		25.000	1.000 U	101	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.424		25.000	1.000 U	98	%	61-122	
1,2,3-Trichloropropane	ug/L	24.207		25.000	1.000 U	97	%	62-124	
n-Propylbenzene	ug/L	22.167		25.000	1.000 U	89	%	69-132	
2-Chlorotoluene	ug/L	25.039		25.000	1.000 U	100	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J31DSA	241282-4		10/31/2005	1819

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.699		25.000	1.000 U	95	%	70-132	
4-Chlorotoluene	ug/L	24.982		25.000	1.000 U	100	%	70-126	
tert-Butylbenzene	ug/L	22.470		25.000	1.000 U	90	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.042		25.000	1.000 U	96	%	71-131	
sec-Butylbenzene	ug/L	21.403		25.000	1.000 U	86	%	70-134	
p-Isopropyltoluene	ug/L	21.626		25.000	1.000 U	87	%	66-130	
n-Butylbenzene	ug/L	21.770		25.000	1.000 U	87	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	21.872		25.000	1.000 U	87	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.709		25.000	1.000 U	99	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J31DSA	241282-4		10/31/2005	1841

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL6
Batch.....: 164249
Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	21.924	21.459	25.000	1.000 U	88	%	24-171	
						2	R	20	
Chloromethane	ug/L	19.150	19.285	25.000	1.000 U	77	%	31-182	
						0	R	20	
Vinyl chloride	ug/L	21.871	21.994	25.000	1.000 U	87	%	50-145	
						1	R	20	
Bromomethane	ug/L	27.364	26.169	25.000	1.000 U	109	%	31-188	
						4	R	20	
Chloroethane	ug/L	24.288	24.075	25.000	1.000 U	97	%	58-148	
						1	R	20	
Trichlorofluoromethane	ug/L	23.927	24.675	25.000	1.000 U	96	%	54-142	
						3	R	20	
1,1-Dichloroethene	ug/L	23.974	23.265	25.000	1.000 U	96	%	51-136	
						3	R	20	
Carbon disulfide	ug/L	22.006	21.808	25.000	5.000 U	88	%	21-111	
						1	R	20	
Acetone	ug/L	37.156	38.333	25.000	19.141	72	%	14-177	
						7	R	20	
Methylene chloride	ug/L	23.309	23.053	25.000	1.000 U	93	%	64-127	
						1	R	20	
trans-1,2-Dichloroethene	ug/L	23.828	23.699	25.000	1.000 U	95	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.676	24.930	25.000	1.000 U	103	%	55-142	
						3	R	20	
1,1-Dichloroethane	ug/L	23.500	23.512	25.000	1.000 U	94	%	70-124	
						0	R	20	
2,2-Dichloropropane	ug/L	25.006	24.617	25.000	1.000 U	100	%	68-127	
						2	R	20	
cis-1,2-Dichloroethene	ug/L	24.331	24.251	25.000	1.000 U	97	%	70-125	
						0	R	20	
2-Butanone (MEK)	ug/L	24.871	24.410	25.000	5.000 U	99	%	29-139	
						1	R	20	
Bromochloromethane	ug/L	25.542	25.851	25.000	1.000 U	102	%	57-116	
						1	R	20	
Chloroform	ug/L	24.685	24.674	25.000	1.000 U	99	%	75-122	
						0	R	20	
1,1,1-Trichloroethane	ug/L	25.833	25.497	25.000	1.000 U	103	%	70-127	
						1	R	20	
1,1-Dichloropropene	ug/L	22.816	22.990	25.000	1.000 U	91	%	70-125	
						1	R	20	
Carbon tetrachloride	ug/L	25.174	25.239	25.000	1.000 U	101	%	64-132	
						0	R	20	
Benzene	ug/L	23.318	23.371	25.000	1.000 U	93	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	23.439	23.439	25.000	1.000 U	94	%	67-120	
						0	R	20	
Trichloroethene	ug/L	23.364	23.723	25.000	1.000 U	93	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	22.660	22.810	25.000	1.000 U	91	%	76-116	
						0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J31DSA	241282-4		10/31/2005	1841

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.584	23.865	25.000	1.000 U	94	%	68-116	
						1	R	20	
Bromodichloromethane	ug/L	26.957	26.966	25.000	1.000 U	108	%	75-125	
						0	R	20	
cis-1,3-Dichloropropene	ug/L	24.328	24.464	26.000	1.000 U	94	%	72-115	
						0	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	21.840	21.896	25.000	5.000 U	87	%	39-137	
						1	R	20	
Toluene	ug/L	24.446	24.506	25.000	1.000 U	98	%	77-120	
						0	R	20	
trans-1,3-Dichloropropene	ug/L	23.050	23.165	24.000	1.000 U	96	%	68-119	
						1	R	20	
1,1,2-Trichloroethane	ug/L	24.987	25.082	25.000	1.000 U	100	%	63-127	
						0	R	20	
Tetrachloroethene	ug/L	23.478	23.888	25.000	1.000 U	94	%	45-150	
						2	R	20	
1,3-Dichloropropane	ug/L	23.602	23.792	25.000	1.000 U	94	%	72-118	
						1	R	20	
2-Hexanone	ug/L	20.427	19.841	25.000	5.000 U	82	%	36-144	
						4	R	20	
Dibromochloromethane	ug/L	26.347	26.209	25.000	1.000 U	105	%	73-116	
						0	R	20	
1,2-Dibromoethane (EDB)	ug/L	24.426	24.841	25.000	1.000 U	98	%	62-123	
						1	R	20	
Chlorobenzene	ug/L	23.468	23.153	25.000	1.000 U	94	%	76-116	
						1	R	20	
1,1,1,2-Tetrachloroethane	ug/L	26.087	26.184	25.000	1.000 U	104	%	77-120	
						1	R	20	
Ethylbenzene	ug/L	24.405	24.400	25.000	1.000 U	98	%	75-125	
						0	R	20	
m&p-Xylenes	ug/L	49.886	50.383	50.000	2.000 U	100	%	75-123	
						1	R	20	
o-Xylene	ug/L	25.322	25.302	25.000	1.000 U	101	%	76-121	
						0	R	20	
Styrene	ug/L	22.817	22.775	25.000	1.000 U	91	%	77-128	
						0	R	20	
Bromoform	ug/L	27.026	25.752	25.000	1.000 U	108	%	65-115	
						5	R	20	
Isopropylbenzene	ug/L	22.134	22.094	25.000	1.000 U	89	%	64-119	
						1	R	20	
Bromobenzene	ug/L	25.384	25.308	25.000	1.000 U	102	%	76-118	
						1	R	20	
1,1,2,2-Tetrachloroethane	ug/L	24.947	24.424	25.000	1.000 U	100	%	61-122	
						2	R	20	
1,2,3-Trichloropropane	ug/L	24.184	24.207	25.000	1.000 U	97	%	62-124	
						0	R	20	
n-Propylbenzene	ug/L	21.879	22.167	25.000	1.000 U	88	%	69-132	
						1	R	20	
2-Chlorotoluene	ug/L	25.287	25.039	25.000	1.000 U	101	%	70-127	
						1	R	20	
1,3,5-Trimethylbenzene	ug/L	23.808	23.699	25.000	1.000 U	95	%	70-132	
						0	R	20	
4-Chlorotoluene	ug/L	24.561	24.982	25.000	1.000 U	98	%	70-126	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05V31DSA	241282-4		10/31/2005	1841

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	22.568	22.470	25.000	1.000	U	90	%	70-133	
							0	R	20	
1,2,4-Trimethylbenzene	ug/L	23.861	24.042	25.000	1.000	U	95	%	71-131	
							1	R	20	
sec-Butylbenzene	ug/L	21.228	21.403	25.000	1.000	U	85	%	70-134	
							1	R	20	
p-Isopropyltoluene	ug/L	21.352	21.626	25.000	1.000	U	85	%	66-130	
							2	R	20	
n-Butylbenzene	ug/L	21.526	21.770	25.000	1.000	U	86	%	64-142	
							1	R	20	
1,2-Dibromo-3-chloropropane	ug/L	22.088	21.872	25.000	1.000	U	88	%	57-119	
							1	R	20	
1,2,3-Trichlorobenzene	ug/L	24.483	24.709	25.000	1.000	U	98	%	66-124	
							1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164357

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.820	15.395	25.000	1.000 U	63	%	24-171	
						3	R	20	
Chloromethane	ug/L	18.836	20.744	25.000	1.000 U	75	%	31-182	
						10	R	20	
Vinyl chloride	ug/L	21.089	21.141	25.000	1.000 U	84	%	50-145	
						0	R	20	
Bromomethane	ug/L	13.085	21.025	25.000	1.000 U	52	%	31-188	
						47	R	20	*
Chloroethane	ug/L	23.202	22.790	25.000	1.000 U	93	%	58-148	
						2	R	20	
Trichlorofluoromethane	ug/L	19.124	18.298	25.000	1.000 U	76	%	54-142	
						4	R	20	
1,1-Dichloroethene	ug/L	23.863	23.452	25.000	1.000 U	95	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	21.324	20.836	25.000	5.000 U	85	%	21-111	
						2	R	20	
Acetone	ug/L	26.581	38.289	25.000	5.000 U	106	%	14-177	
						36	R	20	*
Methylene chloride	ug/L	25.755	25.477	25.000	1.000 U	103	%	64-127	
						1	R	20	
trans-1,2-Dichloroethene	ug/L	24.260	24.287	25.000	1.000 U	97	%	62-138	
						0	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.538	24.343	25.000	1.000 U	98	%	55-142	
						1	R	20	
1,1-Dichloroethane	ug/L	23.429	22.829	25.000	1.000 U	94	%	70-124	
						3	R	20	
2,2-Dichloropropane	ug/L	23.381	24.211	25.000	1.000 U	94	%	68-127	
						3	R	20	
cis-1,2-Dichloroethene	ug/L	24.888	24.350	25.000	1.000 U	100	%	70-125	
						2	R	20	
2-Butanone (MEK)	ug/L	23.519	24.504	25.000	5.000 U	94	%	29-139	
						4	R	20	
Bromochloromethane	ug/L	24.973	24.152	25.000	1.000 U	100	%	57-116	
						3	R	20	
Chloroform	ug/L	23.820	22.925	25.000	1.000 U	95	%	75-122	
						4	R	20	
1,1,1-Trichloroethane	ug/L	23.619	23.161	25.000	1.000 U	94	%	70-127	
						2	R	20	
1,1-Dichloropropene	ug/L	23.017	22.472	25.000	1.000 U	92	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	22.874	22.665	25.000	1.000 U	91	%	64-132	
						1	R	20	
Benzene	ug/L	23.768	23.791	25.000	1.000 U	95	%	75-122	
						0	R	20	
1,2-Dichloroethane	ug/L	21.029	21.277	25.000	1.000 U	84	%	67-120	
						1	R	20	
Trichloroethene	ug/L	23.931	24.435	25.000	1.000 U	96	%	70-125	
						2	R	20	
1,2-Dichloropropane	ug/L	22.497	23.270	25.000	1.000 U	90	%	76-116	
						3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	22.395	22.570	25.000	1.000 U	90 1	% R	68-116 20	
Bromodichloromethane	ug/L	25.348	24.946	25.000	1.000 U	101 2	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	24.619	25.997	26.000	1.000 U	95 5	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.024	23.752	25.000	5.000 U	92 3	% R	39-137 20	
Toluene	ug/L	25.102	25.218	25.000	1.000 U	100 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	21.796	22.798	24.000	1.000 U	91 4	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.677	24.511	25.000	1.000 U	99 1	% R	63-127 20	
Tetrachloroethene	ug/L	23.951	23.812	25.000	1.000 U	96 1	% R	45-150 20	
1,3-Dichloropropane	ug/L	23.568	23.140	25.000	1.000 U	94 2	% R	72-118 20	
2-Hexanone	ug/L	20.983	24.394	25.000	5.000 U	84 15	% R	36-144 20	
Dibromochloromethane	ug/L	25.204	24.188	25.000	1.000 U	101 4	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	24.189	24.463	25.000	1.000 U	97 1	% R	62-123 20	
Chlorobenzene	ug/L	23.701	23.525	25.000	1.000 U	95 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	25.470	24.826	25.000	1.000 U	102 3	% R	77-120 20	
Ethylbenzene	ug/L	24.793	24.963	25.000	1.000 U	99 1	% R	75-125 20	
m&p-Xylenes	ug/L	50.161	49.509	50.000	2.000 U	100 1	% R	75-123 20	
o-Xylene	ug/L	25.870	25.036	25.000	1.000 U	103 3	% R	76-121 20	
Styrene	ug/L	23.811	23.264	25.000	1.000 U	95 2	% R	77-128 20	
Bromoform	ug/L	24.681	24.522	25.000	1.000 U	99 1	% R	65-115 20	
Isopropylbenzene	ug/L	23.408	23.113	25.000	1.000 U	94 1	% R	64-119 20	
Bromobenzene	ug/L	25.768	25.756	25.000	1.000 U	103 0	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	23.354	23.972	25.000	1.000 U	93 3	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	23.290	24.144	25.000	1.000 U	93 4	% R	62-124 20	
n-Propylbenzene	ug/L	23.164	22.603	25.000	1.000 U	93 2	% R	69-132 20	
2-Chlorotoluene	ug/L	25.607	25.591	25.000	1.000 U	102 0	% R	70-127 20	
4-Chlorotoluene	ug/L	24.890	24.630	25.000	1.000 U	100 1	% R	70-126 20	
tert-Butylbenzene	ug/L	23.947	22.678	25.000	1.000 U	96 5	% R	70-133 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K01DSA	164339-020		11/01/2005	2027

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
sec-Butylbenzene	ug/L	22.927	21.720	25.000	1.000	U	92	%	70-134	
							5	R	20	
p-Isopropyltoluene	ug/L	22.405	21.964	25.000	1.000	U	90	%	66-130	
							2	R	20	
n-Butylbenzene	ug/L	22.470	22.392	25.000	1.000	U	90	%	64-142	
							0	R	20	
1,2-Dibromo-3-chloropropane	ug/L	21.777	19.846	25.000	1.000	U	87	%	57-119	
							9	R	20	
1,2,3-Trichlorobenzene	ug/L	24.537	25.632	25.000	1.000	U	98	%	66-124	
							4	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 — Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K01DSA	164339-019		11/01/2005	1013

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164357

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.395		25.000	1.000 U	62	%	24-171	
Chloromethane	ug/L	20.744		25.000	1.000 U	83	%	31-182	
Vinyl chloride	ug/L	21.141		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	21.025		25.000	1.000 U	84	%	31-188	
Chloroethane	ug/L	22.790		25.000	1.000 U	91	%	58-148	
Trichlorofluoromethane	ug/L	18.298		25.000	1.000 U	73	%	54-142	
1,1-Dichloroethene	ug/L	23.452		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	20.836		25.000	5.000 U	83	%	21-111	
Acetone	ug/L	38.289		25.000	5.000 U	153	%	14-177	
Methylene chloride	ug/L	25.477		25.000	1.000 U	102	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.287		25.000	1.000 U	97	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.343		25.000	1.000 U	97	%	55-142	
1,1-Dichloroethane	ug/L	22.829		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	24.211		25.000	1.000 U	97	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.350		25.000	1.000 U	97	%	70-125	
2-Butanone (MEK)	ug/L	24.504		25.000	5.000 U	98	%	29-139	
Bromochloromethane	ug/L	24.152		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	22.925		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.161		25.000	1.000 U	93	%	70-127	
1,1-Dichloropropene	ug/L	22.472		25.000	1.000 U	90	%	70-125	
Carbon tetrachloride	ug/L	22.665		25.000	1.000 U	91	%	64-132	
Benzene	ug/L	23.791		25.000	1.000 U	95	%	75-122	
1,2-Dichloroethane	ug/L	21.277		25.000	1.000 U	85	%	67-120	
Trichloroethene	ug/L	24.435		25.000	1.000 U	98	%	70-125	
1,2-Dichloropropane	ug/L	23.270		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	22.570		25.000	1.000 U	90	%	68-116	
Bromodichloromethane	ug/L	24.946		25.000	1.000 U	100	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.997		26.000	1.000 U	100	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.752		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	25.218		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.798		24.000	1.000 U	95	%	68-119	
1,1,2-Trichloroethane	ug/L	24.511		25.000	1.000 U	98	%	63-127	
Tetrachloroethene	ug/L	23.812		25.000	1.000 U	95	%	45-150	
1,3-Dichloropropane	ug/L	23.140		25.000	1.000 U	93	%	72-118	
2-Hexanone	ug/L	24.394		25.000	5.000 U	98	%	36-144	
Dibromochloromethane	ug/L	24.188		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.463		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	23.525		25.000	1.000 U	94	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.826		25.000	1.000 U	99	%	77-120	
Ethylbenzene	ug/L	24.963		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	49.509		50.000	2.000 U	99	%	75-123	
o-Xylene	ug/L	25.036		25.000	1.000 U	100	%	76-121	
Styrene	ug/L	23.264		25.000	1.000 U	93	%	77-128	
Bromoform	ug/L	24.522		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	23.113		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	25.756		25.000	1.000 U	103	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	23.972		25.000	1.000 U	96	%	61-122	
1,2,3-Trichloropropane	ug/L	24.144		25.000	1.000 U	97	%	62-124	
n-Propylbenzene	ug/L	22.603		25.000	1.000 U	90	%	69-132	
2-Chlorotoluene	ug/L	25.591		25.000	1.000 U	102	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K01DSA	164339-019		11/01/2005	1013

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
4-Chlorotoluene	ug/L	24.630		25.000	1.000 U	99	%	70-126	
tert-Butylbenzene	ug/L	22.678		25.000	1.000 U	91	%	70-133	
sec-Butylbenzene	ug/L	21.720		25.000	1.000 U	87	%	70-134	
p-Isopropyltoluene	ug/L	21.964		25.000	1.000 U	88	%	66-130	
n-Butylbenzene	ug/L	22.392		25.000	1.000 U	90	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.846		25.000	1.000 U	79	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.632		25.000	1.000 U	103	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164339-018		11/01/2005	0950

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164357

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241282 Report Date.: 11/02/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164339-018		11/01/2005	0950

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	R
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: MK BURNS
Company: HGL
Address: NORTHROP 10 EXECUTIVE PK 213 USTICK RD. BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: MBURNS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 4

Lab Lot# 241282

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler (2.0) (2.4)

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. JACKSON
Signature: Michael D. Jackson
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: MCA BARRACKS AUSTIN AAF
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: Linda Markley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	Alpha Metal	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW020-45-1005	10-27-05	0755	W	G		3	40ml	HCl	X				24 HR TAT
		MCA-SO012-4-6-1005		0915	S	C		1	4oz			X			STD TAT TerraCore KIT
		MCA-GW025-16-1005		0925	W	G		3	40ml	HCl	X				3 day TAT 5 DAY TAT
		MCA-GW025-30-1005		1000	↓	↓		↓	↓	↓	↓				↓
		MCA-GW025-45-1005		1035	↓	↓		↓	↓	↓	↓				↓
		MCA-SO014-4-6-1005		1140	S	C		1	4oz			X			STD TAT TerraCore KIT
1		MCA-GW027-16-1005		1420	W	G		3	40ml	HCl	X				3 DAY TAT
2		MCA-GW027-30-1005		1500	↓	↓		↓	↓	↓	↓				↓
		MCA-SO013-4-6-1005		1555	S	C		1	4oz			X			STD TAT TerraCore KIT
		MCA-SO MS/102-1005		1555	↓	↓		↓	↓	↓		↓			↓
		MCA-SO MSD102-1005		1555	↓	↓		↓	↓	↓		↓			↓
		MCA-GW026-16-1005	↓	1600	W	G		2	40ml	HCl				X	STD TAT (2 VOAs only)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	HGL	10-27-05	1850	[signature]	STL	10/28/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = Standard TAT

Date Received 10 / 25 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PARK
317 USHER RD.
BALLSTON LAKE, NY 12019
Phone: 518-877-0396
Fax: 518-877-0414
E-Mail: rhdj68e yahoo.com

Bill To:
Contact:
Company: SAME AS "REPORT TO"
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 2 of 4

Lab Lot# 241282

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	

Sampler Name: M. JACKSON
Signature: M. Jackson
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: Lake Markley
Lab PM: MCA Barnes Hunter
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check OK Yes No NA	Res Cl_2 Check OK Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	RCRA METALS	Additional Analyses / Remarks
		Refrg #								
		# / Cont.	3	5	1					
		Volume	40ml	40ml	4oz					
		Preserv	HCl	None	None					
3		MCA-GW027-45-1005	10-22-05	1630	W	G	X			3 DAY TAT
		MCA-S0007-2-4-1005	10-23-05	0810	S	C		X	X	TERRA CORE STD TAT
		MCA-GW011-16-1005		0820	W	G	X			24 HR TAT
		MCA-GW011-30-1005		0945						
		MCA-S0004-2-4-1005		1000	S	C		X	X	TERRA CORE STD TAT
		MCA-GW008-16-1005		1030	W	G	X			24 HR TAT
		MCA-GW008-30-1005		1155						
		MCA-GW008-45-1005		1300						
		MCA-GW023-15-1005		1000						24 HOUR TAT
		MCA-GW023-30-1005		1610						
		MCA-GW023-45-1005		1640						
		MCA-GWDUP104-1005		1037						STD TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
M. Jackson	HGL	10-24-05	1850		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = standard TAT

Date Received 10 / 25 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Bill Evans
Company: HGL
Address: Northern IL Executive Pk
213 Usher's Rd
Fox River Grove, IL 60021
Phone: 815-877-0390
Fax: 815-877-0414
E-Mail: FEvans@HGL.com

Bill To:
Contact:
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only 3 of 4

Lab Lot# 241282

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No

Temperature °C of Cooler

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009-001-
Project Location: MCA Formerly Nuter AAP
Date Required Hard Copy: / / Fax: / /
Lab PM: Linda Markley

Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check OK Yes No NA	Res Cl_2 Check OK Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	RCRA Metals	pH	Sulfide	Sulfate	VOCs 8260B Encore	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW011-45-1005	10-24-05	0910	W	G	3	4oz	3	HCl	X								24 HR TAT
4		MCA-GW017-12-1005		1035				2	40ml	HCl									3 DAY TAT
		MCA-GW019MS-12-1005		1035					4oz	NONE									STD TAT (Standard)
		MCA-GW019MSD-12-1005		1035					4oz	NONE									↓
5		MCA-GW019-30-1005		1105					4oz	NONE									3 DAY TAT
6		MCA-GW019-45-1005		1140	↓	↓			4oz	NONE									↓
		MCA-SG001-2-4-1005		1310	S	C			5oz	NONE			X	X	X	X	X		STD TAT (STANDARD)
		MCA-GW001-15-1005		1320	W	G			4oz	HCl	X								24 HR TAT
		MCA-GW001-30-1005		1420	W	G			4oz	NONE								X	↓ 24HR TAT
		MCA-GW DUP 05-1005		0998															NO PRESERVATIVE! STD TAT (Standard)
		EB10 2405		1130							X								NO PRESERVATIVE STD TAT 1620
		MCA-GW001-45-1005	↓	1505	↓	↓												X	NO PRESERVATIVE 24HR TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-24-05	1850		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
SULFATE / SULFIDE
↳ SHARE 4oz JAR
(SAME JAR)

Date Received 10 / 25 / 05
Courier: FX Hand Delivered
Bill of Lading see attached

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241330

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/27/2005

Linda S Mackley
Signature

10-27-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
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University Park, IL 60466

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This Report Contains (27) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241330
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample 2. Toluene was outside of the QC limits in the MS and MSD for sample 2. The MS and MSD samples had all other control spike recoveries within the QC limits.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. A secondary dilution was required on sample 1 for target compounds. The results and reporting limits were adjusted to account for the dilutions performed.

John Nagel
GC/MS Dept.

10-27-05
Date

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SAMPLE INFORMATION
Date: 10/27/2005

Job Number.: 241330
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: HUNTER AAF
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241330-1	MCA-GW002-15-1005	Water	10/25/2005	09:30	10/26/2005	09:45
241330-2	MCA-GW002-30-1005	Water	10/25/2005	10:00	10/26/2005	09:45
241330-3	MCA-GW002-45-1005	Water	10/25/2005	10:45	10/26/2005	09:45

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241330

LABORATORY TEST RESULTS

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-15-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241330-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1-Dichloroethene	1.6			0.25	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	trans-1,2-Dichloroethene	0.91	J		0.29	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	cis-1,2-Dichloroethene	25			0.20	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Trichloroethene	370			1.3	10	10.0000	ug/L	163848	D1	10/26/05 2132	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-15-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241330-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Toluene	4.4			0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Tetrachloroethene	7.6			0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	m&p-Xylenes	2.0			0.36	2.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-15-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241330-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241330 Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-30-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241330-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Trichloroethene	1.7			0.13	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-30-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241330-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Toluene	5.6			0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	m&p-Xylenes	2.5			0.36	2.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	o-Xylene	0.87	J		0.19	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2,4-Trimethylbenzene	0.88	J		0.26	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-30-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241330-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-45-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 241330-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-45-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 241330-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Toluene	1.9			0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	m&p-Xylenes	1.2	J		0.36	2.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-45-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 241330-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241330

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Lab ID: 241330-1 Client ID: MCA-GW002-15-1005

Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/26/2005	2132	
5030B	5030 10 mL Purge Prep	2	163841		10/26/2005	2107	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163848	163841	10/26/2005	2107	1.00000
8260B	Volatile Organics	1	163848	163841	10/26/2005	2132	10.0000

Lab ID: 241330-2 Client ID: MCA-GW002-30-1005

Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/26/2005	2156	
8260B	Volatile Organics	1	163848	163841	10/26/2005	2156	1.00000

Lab ID: 241330-3 Client ID: MCA-GW002-45-1005

Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/26/2005	2308	
5030B	5030 10 mL Purge Prep	2	163841		10/26/2005	2332	
8260B	Volatile Organics	1	163848	163841	10/26/2005	2308	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241330

Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAP ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 163848

Prep Batch..: 163841

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/26/2005	90	96	110	97
MB			10/26/2005	95	93	100	94
241330- 1		MCA-GW002-15-1005	10/26/2005	95	94	103	97
241330- 1	D1	MCA-GW002-15-1005	10/26/2005	97	92	103	98
241330- 2		MCA-GW002-30-1005	10/26/2005	98	92	105	98
241330- 2	MS	MCA-GW002-30-1005	10/26/2005	94	96	104	97
241330- 2	MSD	MCA-GW002-30-1005	10/26/2005	92	95	105	97
241330- 3		MCA-GW002-45-1005	10/26/2005	91	92	106	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163848

LCS	Laboratory Control Sample	V05J26DSA	163841-024		10/26/2005	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.829		25.000	1.000 U	51	%	24-171	
Chloromethane	ug/L	22.767		25.000	1.000 U	91	%	31-182	
Vinyl chloride	ug/L	25.359		25.000	1.000 U	101	%	50-145	
Bromomethane	ug/L	32.552		25.000	1.000 U	130	%	31-188	
Chloroethane	ug/L	31.965		25.000	1.000 U	128	%	58-148	
Trichlorofluoromethane	ug/L	29.977		25.000	1.000 U	120	%	54-142	
1,1-Dichloroethene	ug/L	28.071		25.000	1.000 U	112	%	51-136	
Carbon disulfide	ug/L	23.021		25.000	5.000 U	92	%	21-111	
Acetone	ug/L	31.349		25.000	5.000 U	125	%	14-177	
Methylene chloride	ug/L	26.803		25.000	1.000 U	107	%	64-127	
trans-1,2-Dichloroethene	ug/L	31.456		25.000	1.000 U	126	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.866		25.000	1.000 U	119	%	55-142	
1,1-Dichloroethane	ug/L	28.435		25.000	1.000 U	114	%	70-124	
2,2-Dichloropropane	ug/L	28.687		25.000	1.000 U	115	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.387		25.000	1.000 U	118	%	70-125	
2-Butanone (MEK)	ug/L	23.644		25.000	5.000 U	95	%	29-139	
Bromochloromethane	ug/L	28.776		25.000	1.000 U	115	%	57-116	
Chloroform	ug/L	30.380		25.000	1.000 U	122	%	75-122	
1,1,1-Trichloroethane	ug/L	30.357		25.000	1.000 U	121	%	70-127	
1,1-Dichloropropene	ug/L	28.758		25.000	1.000 U	115	%	70-125	
Carbon tetrachloride	ug/L	27.598		25.000	1.000 U	110	%	64-132	
Benzene	ug/L	26.848		25.000	1.000 U	107	%	75-122	
1,2-Dichloroethane	ug/L	24.451		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	26.766		25.000	1.000 U	107	%	70-125	
1,2-Dichloropropane	ug/L	26.092		25.000	1.000 U	104	%	76-116	
Dibromomethane	ug/L	20.240		25.000	1.000 U	81	%	68-116	
Bromodichloromethane	ug/L	27.695		25.000	1.000 U	111	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.922		26.000	1.000 U	96	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.837		25.000	5.000 U	91	%	39-137	
Toluene	ug/L	26.673		25.000	1.000 U	107	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.184		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.351		25.000	1.000 U	109	%	63-127	
Tetrachloroethene	ug/L	26.969		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.661		25.000	1.000 U	103	%	72-118	
2-Hexanone	ug/L	23.727		25.000	5.000 U	95	%	36-144	
Dibromochloromethane	ug/L	26.219		25.000	1.000 U	105	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.221		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	25.852		25.000	1.000 U	103	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.926		25.000	1.000 U	104	%	77-120	
Ethylbenzene	ug/L	28.359		25.000	1.000 U	113	%	75-125	
m&p-Xylenes	ug/L	55.276		50.000	2.000 U	111	%	75-123	
o-Xylene	ug/L	27.269		25.000	1.000 U	109	%	76-121	
Styrene	ug/L	28.166		25.000	1.000 U	113	%	77-128	
Bromoform	ug/L	23.775		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	25.956		25.000	1.000 U	104	%	64-119	
Bromobenzene	ug/L	26.990		25.000	1.000 U	108	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	25.558		25.000	1.000 U	102	%	61-122	
1,2,3-Trichloropropane	ug/L	24.655		25.000	1.000 U	99	%	62-124	
n-Propylbenzene	ug/L	29.521		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.007		25.000	1.000 U	112	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J26DSA	163841-024		10/26/2005	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.606		25.000	1.000 U	118	%	70-132	
4-Chlorotoluene	ug/L	28.007		25.000	1.000 U	112	%	70-126	
tert-Butylbenzene	ug/L	29.222		25.000	1.000 U	117	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.911		25.000	1.000 U	116	%	71-131	
sec-Butylbenzene	ug/L	29.028		25.000	1.000 U	116	%	70-134	
p-Isopropyltoluene	ug/L	27.211		25.000	1.000 U	109	%	66-130	
n-Butylbenzene	ug/L	29.524		25.000	1.000 U	118	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	25.336		25.000	1.000 U	101	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.536		25.000	1.000 U	102	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163841-023		10/26/2005	2018

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163848

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241330

QUALITY CONTROL RESULTS

Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163841-023		10/26/2005	2018

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J26DSA	241330-2		10/26/2005	2220

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 163848

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.736		25.000	1.000 U	47	%	24-171	
Chloromethane	ug/L	21.196		25.000	1.000 U	85	%	31-182	
Vinyl chloride	ug/L	24.130		25.000	1.000 U	97	%	50-145	
Bromomethane	ug/L	29.681		25.000	1.000 U	119	%	31-188	
Chloroethane	ug/L	31.530		25.000	1.000 U	126	%	58-148	
Trichlorofluoromethane	ug/L	27.786		25.000	1.000 U	111	%	54-142	
1,1-Dichloroethene	ug/L	28.369		25.000	1.000 U	113	%	51-136	
Carbon disulfide	ug/L	23.696		25.000	5.000 U	95	%	21-111	
Acetone	ug/L	26.363		25.000	5.000 U	105	%	14-177	
Methylene chloride	ug/L	27.546		25.000	1.000 U	110	%	64-127	
trans-1,2-Dichloroethene	ug/L	30.264		25.000	1.000 U	121	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.192		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	28.106		25.000	1.000 U	112	%	70-124	
2,2-Dichloropropane	ug/L	27.514		25.000	1.000 U	110	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.509		25.000	1.000 U	118	%	70-125	
2-Butanone (MEK)	ug/L	28.005		25.000	5.000 U	112	%	29-139	
Bromochloromethane	ug/L	24.409		25.000	1.000 U	98	%	57-116	
Chloroform	ug/L	29.608		25.000	1.000 U	118	%	75-122	
1,1,1-Trichloroethane	ug/L	29.298		25.000	1.000 U	117	%	70-127	
1,1-Dichloropropene	ug/L	27.494		25.000	1.000 U	110	%	70-125	
Carbon tetrachloride	ug/L	27.949		25.000	1.000 U	112	%	64-132	
Benzene	ug/L	26.872		25.000	1.000 U	107	%	75-122	
1,2-Dichloroethane	ug/L	25.542		25.000	1.000 U	102	%	67-120	
Trichloroethene	ug/L	29.601		25.000	1.703	112	%	70-125	
1,2-Dichloropropane	ug/L	26.220		25.000	1.000 U	105	%	76-116	
Dibromomethane	ug/L	20.828		25.000	1.000 U	83	%	68-116	
Bromodichloromethane	ug/L	27.739		25.000	1.000 U	111	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.255		26.000	1.000 U	97	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.659		25.000	5.000 U	103	%	39-137	
Toluene	ug/L	36.602		25.000	5.629	124	%	77-120	*
trans-1,3-Dichloropropene	ug/L	21.500		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	26.232		25.000	1.000 U	105	%	63-127	
Tetrachloroethene	ug/L	27.325		25.000	1.000 U	109	%	45-150	
1,3-Dichloropropane	ug/L	26.049		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	25.734		25.000	5.000 U	103	%	36-144	
Dibromochloromethane	ug/L	25.562		25.000	1.000 U	102	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.531		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	25.836		25.000	1.000 U	103	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.629		25.000	1.000 U	107	%	77-120	
Ethylbenzene	ug/L	28.847		25.000	1.000 U	115	%	75-125	
m&p-Xylenes	ug/L	58.146		50.000	2.501	111	%	75-123	
o-Xylene	ug/L	28.797		25.000	0.874 J	115	%	76-121	
Styrene	ug/L	27.144		25.000	1.000 U	109	%	77-128	
Bromoform	ug/L	24.557		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	27.025		25.000	1.000 U	108	%	64-119	
Bromobenzene	ug/L	28.253		25.000	1.000 U	113	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.332		25.000	1.000 U	109	%	61-122	
1,2,3-Trichloropropane	ug/L	25.422		25.000	1.000 U	102	%	62-124	
n-Propylbenzene	ug/L	30.280		25.000	1.000 U	121	%	69-132	
2-Chlorotoluene	ug/L	28.244		25.000	1.000 U	113	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J26DSA	241330-2		10/26/2005	2220

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.898		25.000	1.000 U	120	%	70-132	
4-Chlorotoluene	ug/L	28.244		25.000	1.000 U	113	%	70-126	
tert-Butylbenzene	ug/L	30.032		25.000	1.000 U	120	%	70-133	
1,2,4-Trimethylbenzene	ug/L	30.086		25.000	0.883 J	120	%	71-131	
sec-Butylbenzene	ug/L	29.547		25.000	1.000 U	118	%	70-134	
p-Isopropyltoluene	ug/L	27.421		25.000	1.000 U	110	%	66-130	
n-Butylbenzene	ug/L	29.850		25.000	1.000 U	119	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	26.688		25.000	1.000 U	107	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.312		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J26DSA	241330-2		10/26/2005	2244

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163848

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.832	11.736	25.000	1.000	U	47 0	% R	24-171 20	
Chloromethane	ug/L	23.280	21.196	25.000	1.000	U	93 9	% R	31-182 20	
Vinyl chloride	ug/L	25.674	24.130	25.000	1.000	U	103 6	% R	50-145 20	
Bromomethane	ug/L	34.410	29.681	25.000	1.000	U	138 15	% R	31-188 20	
Chloroethane	ug/L	34.864	31.530	25.000	1.000	U	139 10	% R	58-148 20	
Trichlorofluoromethane	ug/L	28.213	27.786	25.000	1.000	U	113 2	% R	54-142 20	
1,1-Dichloroethene	ug/L	29.640	28.369	25.000	1.000	U	119 5	% R	51-136 20	
Carbon disulfide	ug/L	23.668	23.696	25.000	5.000	U	95 0	% R	21-111 20	
Acetone	ug/L	29.123	26.363	25.000	5.000	U	116 10	% R	14-177 20	
Methylene chloride	ug/L	29.262	27.546	25.000	1.000	U	117 6	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	31.619	30.264	25.000	1.000	U	126 4	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.604	25.192	25.000	1.000	U	114 12	% R	55-142 20	
1,1-Dichloroethane	ug/L	29.875	28.106	25.000	1.000	U	120 7	% R	70-124 20	
2,2-Dichloropropane	ug/L	28.287	27.514	25.000	1.000	U	113 3	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	31.079	29.509	25.000	1.000	U	124 5	% R	70-125 20	
2-Butanone (MEK)	ug/L	29.692	28.005	25.000	5.000	U	119 6	% R	29-139 20	
Bromochloromethane	ug/L	27.309	24.409	25.000	1.000	U	109 11	% R	57-116 20	
Chloroform	ug/L	32.496	29.608	25.000	1.000	U	130 10	% R	75-122 20	*
1,1,1-Trichloroethane	ug/L	30.381	29.298	25.000	1.000	U	122 4	% R	70-127 20	
1,1-Dichloropropene	ug/L	28.484	27.494	25.000	1.000	U	114 4	% R	70-125 20	
Carbon tetrachloride	ug/L	24.165	27.949	25.000	1.000	U	97 14	% R	64-132 20	
Benzene	ug/L	28.210	26.872	25.000	1.000	U	113 5	% R	75-122 20	
1,2-Dichloroethane	ug/L	25.992	25.542	25.000	1.000	U	104 2	% R	67-120 20	
Trichloroethene	ug/L	31.252	29.601	25.000	1.703		118 5	% R	70-125 20	
1,2-Dichloropropane	ug/L	26.866	26.220	25.000	1.000	U	107 2	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	V05J26DSA	241330-2		10/26/2005 2244

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.340	20.828	25.000	1.000 U	85	%	68-116	
						2	R	20	
Bromodichloromethane	ug/L	27.218	27.739	25.000	1.000 U	109	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	24.896	25.255	26.000	1.000 U	96	%	72-115	
						1	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	26.004	25.659	25.000	5.000 U	104	%	39-137	
						1	R	20	
Toluene	ug/L	37.957	36.602	25.000	5.629	129	%	77-120	*
						4	R	20	
trans-1,3-Dichloropropene	ug/L	20.729	21.500	24.000	1.000 U	86	%	68-119	
						5	R	20	
1,1,2-Trichloroethane	ug/L	28.108	26.232	25.000	1.000 U	112	%	63-127	
						6	R	20	
Tetrachloroethene	ug/L	26.132	27.325	25.000	1.000 U	105	%	45-150	
						4	R	20	
1,3-Dichloropropane	ug/L	27.069	26.049	25.000	1.000 U	108	%	72-118	
						4	R	20	
2-Hexanone	ug/L	27.550	25.734	25.000	5.000 U	110	%	36-144	
						7	R	20	
Dibromochloromethane	ug/L	24.730	25.562	25.000	1.000 U	99	%	73-116	
						3	R	20	
1,2-Dibromoethane (EDB)	ug/L	26.645	24.531	25.000	1.000 U	107	%	62-123	
						9	R	20	
Chlorobenzene	ug/L	26.216	25.836	25.000	1.000 U	105	%	76-116	
						2	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.894	26.629	25.000	1.000 U	104	%	77-120	
						3	R	20	
Ethylbenzene	ug/L	29.245	28.847	25.000	1.000 U	117	%	75-125	
						2	R	20	
m&p-Xylenes	ug/L	58.535	58.146	50.000	2.501	112	%	75-123	
						1	R	20	
o-Xylene	ug/L	28.950	28.797	25.000	0.874 J	116	%	76-121	
						1	R	20	
Styrene	ug/L	27.155	27.144	25.000	1.000 U	109	%	77-128	
						0	R	20	
Bromoform	ug/L	21.171	24.557	25.000	1.000 U	85	%	65-115	
						14	R	20	
Isopropylbenzene	ug/L	26.167	27.025	25.000	1.000 U	105	%	64-119	
						3	R	20	
Bromobenzene	ug/L	28.233	28.253	25.000	1.000 U	113	%	76-118	
						0	R	20	
1,1,2,2-Tetrachloroethane	ug/L	27.614	27.332	25.000	1.000 U	110	%	61-122	
						1	R	20	
1,2,3-Trichloropropane	ug/L	28.158	25.422	25.000	1.000 U	113	%	62-124	
						10	R	20	
n-Propylbenzene	ug/L	29.194	30.280	25.000	1.000 U	117	%	69-132	
						3	R	20	
2-Chlorotoluene	ug/L	28.080	28.244	25.000	1.000 U	112	%	70-127	
						1	R	20	
1,3,5-Trimethylbenzene	ug/L	29.022	29.898	25.000	1.000 U	116	%	70-132	
						3	R	20	
4-Chlorotoluene	ug/L	28.080	28.244	25.000	1.000 U	112	%	70-126	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J26DSA	241330-2		10/26/2005	2244

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.112	30.032	25.000	1.000	U	112 7	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	29.477	30.086	25.000	0.883	J	118 2	% R	71-131 20	
sec-Butylbenzene	ug/L	27.696	29.547	25.000	1.000	U	111 6	% R	70-134 20	
p-Isopropyltoluene	ug/L	26.003	27.421	25.000	1.000	U	104 6	% R	66-130 20	
n-Butylbenzene	ug/L	27.658	29.850	25.000	1.000	U	111 7	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	27.701	26.688	25.000	1.000	U	111 4	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	22.506	24.312	25.000	1.000	U	90 7	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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Report To:
Contact: Eric Evans
Company: HGL
Address: 313 US Hwy 45 Rd
Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EEvans@HGL.com

Bill To:
Contact: Same
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241330

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: MCA Barracks Hunter AAF
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	RCRA metals	VOCs 8260B (Water)	pH	Sulfate	Sulfide	Additional Analyses / Remarks
		EB102505	10/25/05	1615	W	G		3	40ml	HCl	X								Standard TAT
		TB102505		1700	↓	↓		2	40ml	HCl		X							↓
		MCA-S0002-0-2-1005		0815	S	C		1	8oz	none				X	X	X	X	X	
1		MCA-GW002-15-1005		0930	W	G		3	40ml	HCl			X						24 HR TAT
2		MCA-GW002MS-1005		1000															Standard TAT
↓		MCA-GW002MSD-1005		1000															↓
↓		MCA-GW002-30-1005		1000															24 HR TAT
3		MCA-GW002-45-1005		1045	↓	↓							↓						↓
		MCA-S0006-0.5-1.5-1005		1425	S	C		1	8oz	none				X	X				Standard TAT
		MCA-SODup104-1005		1049	↓	↓								X	↓				↓
		MCA-S0008-3-4-1005	↓	1555	↓	↓								X	↓				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-25-05	1830		STL	10/26/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
Wi = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
* Sulfate & sulfide in same 40z bottle

Date Received 10/26/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241319

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/08/2005

Linda S Mackley
Signature

11-8-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (59) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08102105

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241319
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The dilution to sample 7 had one surrogate above the QAPP specified QC limits, but within the in house QC limits. The dilution to sample 7 was reanalyzed with similar results and the best analysis was reported. The other samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. A secondary dilution was required on sample 7 for target compounds. The results and reporting limits were adjusted to account for the dilutions performed.

John Nagel
GC/MS Dept.

11-8-05
Date

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S A M P L E I N F O R M A T I O N
Date: 11/08/2005

Job Number.: 241319
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241319-1	EB102505	Water	10/25/2005	16:15	10/26/2005	09:45
241319-2	TB102505	Water	10/25/2005	17:00	10/26/2005	09:45
241319-3	MCA-S0002-0-2-1005	Soil	10/25/2005	08:15	10/26/2005	09:45
241319-4	MCA-S0006-0.5-1.5-1005	Soil	10/25/2005	14:25	10/26/2005	09:45
241319-5	MCA-SODUP104-1005	Soil	10/25/2005	10:49	10/26/2005	09:45
241319-6	MCA-S0008-3-4-1005	Soil	10/25/2005	15:55	10/26/2005	09:45
241319-7	MCA-GWDUP106-1005	Water	10/25/2005	15:43	10/26/2005	09:45

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Methylene chloride	1.5			0.24	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloroform	0.68	J		0.14	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Ethylbenzene	0.72	J		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	m&p-Xylenes	2.2			0.36	2.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	o-Xylene	0.66	J		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.5			0.10	0.10	1	%	163755		10/26/05 1555	pfk
	% Moisture, Solid	8.5			0.10	0.10	1	%	163755		10/26/05 1555	pfk
9045C	pH (Soil)											
	pH, Solid	5.8			0.2	0.2	1	pH Units	164183		10/31/05 1305	pmf
375.4	Sulfate, Turbidimetric											
	Sulfate, Solid*	55	U		17	55	1	mg/Kg	164239		10/31/05 1510	cls
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	50	U		8.8	50	1	mg/Kg	163874		10/27/05 1510	mtb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.025	B		0.0067	0.036	1	mg/Kg	163957		10/27/05 1545	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.0	U		0.38	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Barium, Solid*	3.3			0.075	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Cadmium, Solid*	0.21	U		0.060	0.21	1	mg/Kg	164090		10/28/05 1340	lmr
	Chromium, Solid*	2.2			0.10	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Lead, Solid*	3.2			0.26	0.52	1	mg/Kg	164090		10/28/05 1340	lmr
	Selenium, Solid*	1.0	U		0.47	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Silver, Solid*	0.13	B		0.10	0.52	1	mg/Kg	164090		10/28/05 1340	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloromethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Vinyl chloride, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Bromomethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloroethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Trichlorofluoromethane, Solid*	5.5	U		1.6	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Carbon disulfide, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Acetone, Solid*	5.5	U		4.7	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Methylene chloride, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	trans-1,2-Dichloroethene, Solid*	5.5	U		0.84	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloroethane, Solid*	5.5	U		0.64	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2,2-Dichloropropane, Solid*	5.5	U		1.5	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	cis-1,2-Dichloroethene, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Butanone (MEK), Solid*	5.5	U		2.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromochloromethane, Solid*	5.5	U		0.82	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloroform, Solid*	5.5	U		0.74	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,1-Trichloroethane, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloropropene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Carbon tetrachloride, Solid*	5.5	U		0.80	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Benzene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichloroethane, Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Trichloroethene, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichloropropane, Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Dibromomethane, Solid*	5.5	U		0.87	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromodichloromethane, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	cis-1,3-Dichloropropene, Solid*	5.5	U		0.63	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Toluene, Solid*	5.5	U		1.9	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	trans-1,3-Dichloropropene, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,2-Trichloroethane, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Tetrachloroethene, Solid*	5.5	U		0.98	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,3-Dichloropropane, Solid*	5.5	U		0.67	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Hexanone, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Dibromochloromethane, Solid*	5.5	U		0.71	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dibromoethane (EDB), Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chlorobenzene, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Ethylbenzene, Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0127	ges
	o-Xylene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Styrene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromoform, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Isopropylbenzene, Solid*	5.5	U		0.74	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromobenzene, Solid*	5.5	U		0.53	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.5	U		0.77	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,3-Trichloropropane, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	n-Propylbenzene, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Chlorotoluene, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,3,5-Trimethylbenzene, Solid*	5.5	U		0.88	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	4-Chlorotoluene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	tert-Butylbenzene, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,4-Trimethylbenzene, Solid*	5.5	U		0.93	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	sec-Butylbenzene, Solid*	5.5	U		0.92	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	p-Isopropyltoluene, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	n-Butylbenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichlorobenzene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.5	U		1.6	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,3-Trichlorobenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0006-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
Method	% Solids Determination											
	% Solids, Solid	90.9			0.10	0.10	1	%	163755		10/26/05 1556	pfk
	% Moisture, Solid	9.1			0.10	0.10	1	%	163755		10/26/05 1556	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.023	B		0.0067	0.036	1	mg/Kg	163957		10/27/05 1547	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.45	B		0.38	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Barium, Solid*	11			0.074	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Cadmium, Solid*	0.20	U		0.059	0.20	1	mg/Kg	164090		10/28/05 1345	lmr
	Chromium, Solid*	4.0			0.10	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Lead, Solid*	3.2			0.26	0.51	1	mg/Kg	164090		10/28/05 1345	lmr
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	164090		10/28/05 1345	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloromethane, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Vinyl chloride, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromomethane, Solid*	5.6	U		3.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloroethane, Solid*	5.6	U		3.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Trichlorofluoromethane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1-Dichloroethene, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Carbon disulfide, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Acetone, Solid*	5.9			4.8	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Methylene chloride, Solid*	5.6	U		1.8	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	trans-1,2-Dichloroethene, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0006-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.6	U		0.66	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2,2-Dichloropropane, Solid*	5.6	U		1.6	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	cis-1,2-Dichloroethene, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Butanone (MEK), Solid*	5.6	U		2.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromochloromethane, Solid*	5.6	U		0.84	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloroform, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,1-Trichloroethane, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1-Dichloropropene, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Carbon tetrachloride, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Benzene, Solid*	5.6	U		0.78	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichloroethane, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Trichloroethene, Solid*	31			0.74	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichloropropane, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Dibromomethane, Solid*	5.6	U		0.90	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromodichloromethane, Solid*	5.6	U		0.64	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	cis-1,3-Dichloropropene, Solid*	5.6	U		0.65	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Toluene, Solid*	5.6	U		1.9	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,2-Trichloroethane, Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Tetrachloroethene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,3-Dichloropropane, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Hexanone, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Dibromochloromethane, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chlorobenzene, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Ethylbenzene, Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOOO6-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.6	U		0.70	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Styrene, Solid*	5.6	U		0.70	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromoform, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Isopropylbenzene, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromobenzene, Solid*	5.6	U		0.55	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,3-Trichloropropane, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	n-Propylbenzene, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Chlorotoluene, Solid*	5.6	U		0.74	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,3,5-Trimethylbenzene, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	4-Chlorotoluene, Solid*	5.6	U		0.78	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	tert-Butylbenzene, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,4-Trimethylbenzene, Solid*	5.6	U		0.96	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	sec-Butylbenzene, Solid*	5.6	U		0.94	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	p-Isopropyltoluene, Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	n-Butylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichlorobenzene, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,3-Trichlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	89.9			0.10	0.10	1	%	164096		10/31/05 0906	pfk
	% Moisture, Solid	10.1			0.10	0.10	1	%	164096		10/31/05 0906	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	3.4	U		0.65	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloromethane, Solid*	3.4	U		0.89	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Vinyl chloride, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromomethane, Solid*	3.4	U	*	2.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloroethane, Solid*	3.4	U		2.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Trichlorofluoromethane, Solid*	3.4	U		1.0	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloroethene, Solid*	3.4	U		0.89	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Carbon disulfide, Solid*	3.4	U		0.68	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Acetone, Solid*	3.4	U	*	2.9	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Methylene chloride, Solid*	3.4	U		1.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	trans-1,2-Dichloroethene, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloroethane, Solid*	3.4	U		0.40	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2,2-Dichloropropane, Solid*	3.4	U	*	0.96	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	cis-1,2-Dichloroethene, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Butanone (MEK), Solid*	3.4	U		1.5	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromochloromethane, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloroform, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,1-Trichloroethane, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloropropene, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Carbon tetrachloride, Solid*	3.4	U		0.50	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Benzene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dichloroethane, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Trichloroethene, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dichloropropane, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Dibromomethane, Solid*	3.4	U		0.55	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromodichloromethane, Solid*	3.4	U		0.39	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	cis-1,3-Dichloropropene, Solid*	3.4	U		0.40	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	4-Methyl-2-pentanone (MIBK), Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Toluene, Solid*	3.5			1.2	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	trans-1,3-Dichloropropene, Solid*	3.4	U		0.41	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,2-Trichloroethane, Solid*	3.4	U		0.56	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Tetrachloroethene, Solid*	3.4	U		0.62	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,3-Dichloropropane, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Hexanone, Solid*	3.4	U	*	0.82	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Dibromochloromethane, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dibromoethane (EDB), Solid*	3.4	U		0.44	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chlorobenzene, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,1,2-Tetrachloroethane, Solid*	3.4	U		0.41	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Ethylbenzene, Solid*	3.4	U		0.44	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	m&p-Xylenes, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	164952		11/04/05 1257	ges
	o-Xylene, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Styrene, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromoform, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Isopropylbenzene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromobenzene, Solid*	3.4	U		0.34	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,2,2-Tetrachloroethane, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2,3-Trichloropropane, Solid*	3.4	U	*	0.82	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	n-Propylbenzene, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Chlorotoluene, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,3,5-Trimethylbenzene, Solid*	3.4	U		0.55	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	4-Chlorotoluene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	tert-Butylbenzene, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	3.4	U		0.58	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	sec-Butylbenzene, Solid*	3.4	U		0.58	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	p-Isopropyltoluene, Solid*	3.4	U		0.56	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	n-Butylbenzene, Solid*	3.4	U		0.75	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dichlorobenzene, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dibromo-3-chloropropane, Solid*	3.4	U	*	1.0	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2,3-Trichlorobenzene, Solid*	3.4	U		0.75	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	87.4			0.10	0.10	1	%	163755		10/26/05 1557	pfk
	% Moisture, Solid	12.6			0.10	0.10	1	%	163755		10/26/05 1557	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.027	B		0.0070	0.038	1	mg/Kg	163957		10/27/05 1549	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.98	U		0.36	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Barium, Solid*	11			0.071	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Cadmium, Solid*	0.20	U		0.057	0.20	1	mg/Kg	164090		10/28/05 1349	lmr
	Chromium, Solid*	3.8			0.098	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Lead, Solid*	19			0.24	0.49	1	mg/Kg	164090		10/28/05 1349	lmr
	Selenium, Solid*	0.98	U		0.44	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Silver, Solid*	0.49	U		0.098	0.49	1	mg/Kg	164090		10/28/05 1349	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloromethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Vinyl chloride, Solid*	5.5	U		0.86	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromomethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloroethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Trichlorofluoromethane, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Carbon disulfide, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Acetone, Solid*	35			4.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Methylene chloride, Solid*	5.5	U		1.8	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	trans-1,2-Dichloroethene, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,1-Dichloroethane, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2,2-Dichloropropane, Solid*	5.5	U		1.5	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	cis-1,2-Dichloroethene, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Butanone (MEK), Solid*	5.5	U		2.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromochloromethane, Solid*	5.5	U		0.83	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloroform, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,1-Trichloroethane, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1-Dichloropropene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Carbon tetrachloride, Solid*	5.5	U		0.80	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Benzene, Solid*	5.5	U		0.76	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichloroethane, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Trichloroethene, Solid*	5.5	U		0.73	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichloropropane, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Dibromomethane, Solid*	5.5	U		0.88	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromodichloromethane, Solid*	5.5	U		0.63	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	cis-1,3-Dichloropropene, Solid*	5.5	U		0.64	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Toluene, Solid*	5.5	U		1.9	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	trans-1,3-Dichloropropene, Solid*	5.5	U		0.66	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,2-Trichloroethane, Solid*	5.5	U		0.90	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Tetrachloroethene, Solid*	5.5	U		0.99	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,3-Dichloropropane, Solid*	5.5	U		0.67	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Hexanone, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Dibromochloromethane, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dibromoethane (EDB), Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chlorobenzene, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.5	U		0.66	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Ethylbenzene, Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Styrene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromoform, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Isopropylbenzene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromobenzene, Solid*	5.5	U		0.54	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.5	U		0.78	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,3-Trichloropropane, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	n-Propylbenzene, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Chlorotoluene, Solid*	5.5	U		0.73	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,3,5-Trimethylbenzene, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	4-Chlorotoluene, Solid*	5.5	U		0.76	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	tert-Butylbenzene, Solid*	5.5	U		0.86	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,4-Trimethylbenzene, Solid*	5.5	U		0.94	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	sec-Butylbenzene, Solid*	5.5	U		0.92	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	p-Isopropyltoluene, Solid*	5.5	U		0.90	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	n-Butylbenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichlorobenzene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,3-Trichlorobenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloroethene	0.60	J		0.25	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	trans-1,2-Dichloroethene	1.7			0.29	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	cis-1,2-Dichloroethene	15			0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Trichloroethene	300			1.3	10	10.0000	ug/L	164839	D1	11/05/05 0438	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Toluene	3.2			0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Tetrachloroethene	4.3			0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	m&p-Xylenes	1.3	J		0.36	2.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241319-1 Client ID: EB102505 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005 0325	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	164839	164740	11/05/2005 0325	1.00000

Lab ID: 241319-2 Client ID: TB102505 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005 0349	
8260B	Volatile Organics	1	164839	164740	11/05/2005 0349	1.00000

Lab ID: 241319-3 Client ID: MCA-S0002-0-2-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1555	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0127	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0415	
5035	5035 Preservation Low	1	163784		10/27/2005 0415	
5035	5035 Preservation Low	1	163784		10/27/2005 0416	
5035	5035 Preservation Low	2	163784		10/27/2005 0415	
5035	5035 Preservation Low	2	163784		10/27/2005 0416	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164456			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1545	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1340	
7.3.4.2/9034	Reactivity, Sulfide	1	163874	163874	10/27/2005 1510	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
375.4	Sulfate, Turbidimetric	1	164239	164239	10/31/2005 1510	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005 0127	1.00000
9045C	pH (Soil)	1	164183	164183	10/31/2005 1305	

Lab ID: 241319-4 Client ID: MCA-S0006-0.5-1.5-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1556	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0152	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0416	
5035	5035 Preservation Low	1	163784		10/27/2005 0416	
5035	5035 Preservation Low	2	163784		10/27/2005 0417	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164456			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1547	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1345	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005 0152	1.00000

Lab ID: 241319-5 Client ID: MCA-SODUP104-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	164096	164096	10/31/2005 0906	
5035	5035 Archon Closed Purge & Trap	1	164695		11/04/2005 1257	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0418	
5035	5035 Preservation Low	1	163784		10/27/2005 0418	
5035	5035 Preservation Low	2	163784		10/28/2005 0940	
Supplies	Bottles and Supplies - Charges	1	164456			
8260B	Volatile Organics	1	164952	163784-164695	11/04/2005 1257	1.00000

Lab ID: 241319-6 Client ID: MCA-S0008-3-4-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1557	

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L A B O R A T O R Y C H R O N I C L E

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241319-6 Client ID: MCA-S0008-3-4-1005 Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005	0244	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005	0419	
5035	5035 Preservation Low	1	163784		10/27/2005	0419	
5035	5035 Preservation Low	2	163784		10/27/2005	0418	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005	1845	
Supplies	Bottles and Supplies - Charges	1	164456				
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005	1549	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005	1349	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005	1200	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005	0244	1.00000

Lab ID: 241319-7 Client ID: MCA-GWDUP106-1005 Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005	0413	
5030B	5030 10 mL Purge Prep	2	164740		11/05/2005	0438	
5030B	5030 10 mL Purge Prep	3	164939		11/07/2005	2332	
8260B	Volatile Organics	1	164839	164740	11/05/2005	0413	1.00000
8260B	Volatile Organics	1	164839	164740	11/05/2005	0438	10.0000

SURROGATE RECOVERIES REPORT

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 163658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/03/2005	90	95	84	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913 164952
Prep Batch..: 163784

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/04/2005	87	100	87	91
EB3			11/04/2005	85	100	85	93
241319- 3		MCA-S0002-0-2-1005	11/04/2005	93	99	87	94
241319- 4		MCA-S0006-0.5-1.5-1005	11/04/2005	94	101	89	98
241319- 5		MCA-SODUP104-1005	11/04/2005	84	92	85	91
241319- 6		MCA-S0008-3-4-1005	11/04/2005	93	97	90	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164333

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB3			11/03/2005	79	95	82	89

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	79	95	83	92
MB			11/03/2005	80	97	83	88

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SURROGATE RECOVERIES REPORT

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164658
Method Code...: 8260B Batch(s).....: 164913

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164695
Method Code...: 8260B Batch(s).....: 164952

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/04/2005	81	94	84	93
LCS			11/04/2005	81	95	85	93
MB			11/04/2005	80	92	81	87

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164740
Method Code...: 8260B Batch(s).....: 164839

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/04/2005	96	108	109	101
MB			11/04/2005	104	101	109	98
241319- 1		EB102505	11/05/2005	115	105	115	100
241319- 2		TB102505	11/05/2005	113	104	110	101
241319- 7		MCA-GWDUP106-1005	11/05/2005	109	107	109	102
241319- 7	D1	MCA-GWDUP106-1005	11/05/2005	114	103	117*	101

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCS	Laboratory Control Sample	V05K04DSA	164740-02B		11/04/2005 2211

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL2
Batch.....: 164839
Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	22.837		25.000	1.000 U	91	%	24-171	
Chloromethane	ug/L	19.868		25.000	1.000 U	79	%	31-182	
Vinyl chloride	ug/L	21.370		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	31.600		25.000	1.000 U	126	%	31-188	
Chloroethane	ug/L	21.108		25.000	1.000 U	84	%	58-148	
Trichlorofluoromethane	ug/L	24.016		25.000	1.000 U	96	%	54-142	
1,1-Dichloroethene	ug/L	21.898		25.000	1.000 U	88	%	51-136	
Carbon disulfide	ug/L	16.698		25.000	5.000 U	67	%	21-111	
Acetone	ug/L	22.180		25.000	5.000 U	89	%	14-177	
Methylene chloride	ug/L	21.323		25.000	1.000 U	85	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.413		25.000	1.000 U	82	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.178		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	21.932		25.000	1.000 U	88	%	70-124	
2,2-Dichloropropane	ug/L	26.629		25.000	1.000 U	107	%	68-127	
cis-1,2-Dichloroethene	ug/L	21.744		25.000	1.000 U	87	%	70-125	
2-Butanone (MEK)	ug/L	20.722		25.000	5.000 U	83	%	29-139	
Bromochloromethane	ug/L	18.257		25.000	1.000 U	73	%	57-116	
Chloroform	ug/L	23.005		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.616		25.000	1.000 U	94	%	70-127	
1,1-Dichloropropene	ug/L	20.349		25.000	1.000 U	81	%	70-125	
Carbon tetrachloride	ug/L	26.646		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	20.635		25.000	1.000 U	83	%	75-122	
1,2-Dichloroethane	ug/L	24.368		25.000	1.000 U	97	%	67-120	
Trichloroethene	ug/L	21.165		25.000	1.000 U	85	%	70-125	
1,2-Dichloropropane	ug/L	21.382		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	17.586		25.000	1.000 U	70	%	68-116	
Bromodichloromethane	ug/L	25.543		25.000	1.000 U	102	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.566		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.787		25.000	5.000 U	87	%	39-137	
Toluene	ug/L	21.621		25.000	1.000 U	86	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.248		24.000	1.000 U	93	%	68-119	
1,1,2-Trichloroethane	ug/L	22.126		25.000	1.000 U	89	%	63-127	
Tetrachloroethene	ug/L	21.607		25.000	1.000 U	86	%	45-150	
1,3-Dichloropropane	ug/L	22.146		25.000	1.000 U	89	%	72-118	
2-Hexanone	ug/L	19.323		25.000	5.000 U	77	%	36-144	
Dibromochloromethane	ug/L	23.363		25.000	1.000 U	93	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.352		25.000	1.000 U	89	%	62-123	
Chlorobenzene	ug/L	20.052		25.000	1.000 U	80	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.334		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	21.756		25.000	1.000 U	87	%	75-125	
m&p-Xylenes	ug/L	44.221		50.000	2.000 U	88	%	75-123	
o-Xylene	ug/L	22.640		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.077		25.000	1.000 U	88	%	77-128	
Bromoform	ug/L	22.815		25.000	1.000 U	91	%	65-115	
Isopropylbenzene	ug/L	18.819		25.000	1.000 U	75	%	64-119	
Bromobenzene	ug/L	20.358		25.000	1.000 U	81	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	19.548		25.000	1.000 U	78	%	61-122	
1,2,3-Trichloropropane	ug/L	22.284		25.000	1.000 U	89	%	62-124	
n-Propylbenzene	ug/L	20.319		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	20.974		25.000	1.000 U	84	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K04DSA	164740-028		11/04/2005	2211

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.620		25.000	1.000 U	86	%	70-132	
4-Chlorotoluene	ug/L	20.191		25.000	1.000 U	81	%	70-126	
tert-Butylbenzene	ug/L	20.960		25.000	1.000 U	84	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.208		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	20.497		25.000	1.000 U	82	%	70-134	
p-Isopropyltoluene	ug/L	20.227		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.438		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	21.890		25.000	1.000 U	88	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.376		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164740-027		11/04/2005	2147

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164839

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164740-027		11/04/2005	2147

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000 U							
4-Chlorotoluene	ug/L	1.000 U							
tert-Butylbenzene	ug/L	1.000 U							
1,2,4-Trimethylbenzene	ug/L	1.000 U							
sec-Butylbenzene	ug/L	1.000 U							
p-Isopropyltoluene	ug/L	1.000 U							
n-Butylbenzene	ug/L	1.000 U							
1,2-Dibromo-3-chloropropane	ug/L	1.000 U							
1,2,3-Trichlorobenzene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U						
4-Chlorotoluene, Solid	ug/Kg	5.000	U						
tert-Butylbenzene, Solid	ug/Kg	5.000	U						
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U						
sec-Butylbenzene, Solid	ug/Kg	5.000	U						
p-Isopropyltoluene, Solid	ug/Kg	5.000	U						
n-Butylbenzene, Solid	ug/Kg	5.000	U						
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U						
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U						
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000 U							
4-Chlorotoluene, Solid	ug/Kg	5.000 U							
tert-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000 U							
sec-Butylbenzene, Solid	ug/Kg	5.000 U							
p-Isopropyltoluene, Solid	ug/Kg	5.000 U							
n-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000 U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000 U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	44.955		50.000	5.000 U	90	%	39-159	
Chloromethane, Solid	ug/Kg	47.958		50.000	5.000 U	96	%	42-180	
Vinyl chloride, Solid	ug/Kg	49.203		50.000	5.000 U	98	%	60-125	
Bromomethane, Solid	ug/Kg	45.762		50.000	5.000 U	92	%	39-165	
Chloroethane, Solid	ug/Kg	46.926		50.000	5.000 U	94	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	43.927		50.000	5.000 U	88	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	47.450		50.000	5.000 U	95	%	47-141	
Carbon disulfide, Solid	ug/Kg	38.562		50.000	5.000 U	77	%	22-118	
Acetone, Solid	ug/Kg	51.750		50.000	5.000 U	104	%	50-176	
Methylene chloride, Solid	ug/Kg	43.137		50.000	5.000 U	86	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	47.994		50.000	5.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.628		50.000	5.000 U	99	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	48.185		50.000	5.000 U	96	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.427		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	50.475		50.000	5.000 U	101	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	43.045		50.000	5.000 U	86	%	41-166	
Bromochloromethane, Solid	ug/Kg	51.171		50.000	5.000 U	102	%	61-122	
Chloroform, Solid	ug/Kg	49.084		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	49.055		50.000	5.000 U	98	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	48.642		50.000	5.000 U	97	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	48.466		50.000	5.000 U	97	%	67-130	
Benzene, Solid	ug/Kg	48.930		50.000	5.000 U	98	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.881		50.000	5.000 U	96	%	72-134	
Trichloroethene, Solid	ug/Kg	50.051		50.000	5.000 U	100	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.545		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	48.993		50.000	5.000 U	98	%	75-122	
Bromodichloromethane, Solid	ug/Kg	53.743		50.000	5.000 U	107	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	51.010		52.000	5.000 U	98	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.711		50.000	5.000 U	95	%	57-144	
Toluene, Solid	ug/Kg	50.500		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	47.783		48.000	5.000 U	100	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.185		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.253		50.000	5.000 U	97	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	49.895		50.000	5.000 U	100	%	81-123	
2-Hexanone, Solid	ug/Kg	49.785		50.000	5.000 U	100	%	57-148	
Dibromochloromethane, Solid	ug/Kg	50.126		50.000	5.000 U	100	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.784		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.852		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	50.457		50.000	5.000 U	101	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.399		50.000	5.000 U	101	%	73-121	
m&p-Xylenes, Solid	ug/Kg	99.258		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.617		50.000	5.000 U	99	%	75-120	
Styrene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	47.700		50.000	5.000 U	95	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.075		50.000	5.000 U	96	%	59-114	
Bromobenzene, Solid	ug/Kg	53.021		50.000	5.000 U	106	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.797		50.000	5.000 U	100	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.731		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	52.311		50.000	5.000 U	105	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	52.305		50.000	5.000 U	105	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	52.804		50.000	5.000	U	106	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	50.262		50.000	5.000	U	101	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	52.802		50.000	5.000	U	106	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.517		50.000	5.000	U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	51.716		50.000	5.000	U	103	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	49.410		50.000	5.000	U	99	%	65-121	
n-Butylbenzene, Solid	ug/Kg	51.391		50.000	5.000	U	103	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	50.000		50.000	5.000	U	100	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	49.134		50.000	5.000	U	98	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	51.674		50.000	5.000	U	103	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 164952
Analyst...: ges

LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits		F
Dichlorodifluoromethane, Solid	ug/Kg	36.997	37.469	50.000	5.000	U	74	%	39-159		
							1	R	20		
Chloromethane, Solid	ug/Kg	44.422	44.522	50.000	5.000	U	89	%	42-180		
							0	R	20		
Vinyl chloride, Solid	ug/Kg	44.573	44.317	50.000	5.000	U	89	%	60-125		
							1	R	20		
Bromomethane, Solid	ug/Kg	52.968	41.022	50.000	5.000	U	106	%	39-165		
							25	R	20		*
Chloroethane, Solid	ug/Kg	46.353	41.655	50.000	5.000	U	93	%	56-145		
							11	R	20		
Trichlorofluoromethane, Solid	ug/Kg	43.605	41.052	50.000	5.000	U	87	%	57-136		
							6	R	20		
1,1-Dichloroethene, Solid	ug/Kg	40.036	45.402	50.000	5.000	U	80	%	47-141		
							13	R	20		
Carbon disulfide, Solid	ug/Kg	32.353	37.191	50.000	5.000	U	65	%	22-118		
							14	R	20		
Acetone, Solid	ug/Kg	34.990	47.910	50.000	5.000	U	70	%	50-176		
							31	R	20		*
Methylene chloride, Solid	ug/Kg	39.195	44.442	50.000	5.000	U	78	%	67-133		
							13	R	20		
trans-1,2-Dichloroethene, Solid	ug/Kg	41.398	46.745	50.000	5.000	U	83	%	62-138		
							12	R	20		
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.905	51.288	50.000	5.000	U	100	%	69-155		
							3	R	20		
1,1-Dichloroethane, Solid	ug/Kg	42.290	47.511	50.000	5.000	U	85	%	65-134		
							12	R	20		
2,2-Dichloropropane, Solid	ug/Kg	36.563	45.343	50.000	5.000	U	73	%	70-134		
							21	R	20		*
cis-1,2-Dichloroethene, Solid	ug/Kg	44.420	49.264	50.000	5.000	U	89	%	65-125		
							10	R	20		
2-Butanone (MEK), Solid	ug/Kg	35.523	41.529	50.000	5.000	U	71	%	41-166		
							16	R	20		
Bromochloromethane, Solid	ug/Kg	50.548	50.046	50.000	5.000	U	101	%	61-122		
							1	R	20		
Chloroform, Solid	ug/Kg	43.094	48.329	50.000	5.000	U	86	%	73-135		
							11	R	20		
1,1,1-Trichloroethane, Solid	ug/Kg	41.943	47.271	50.000	5.000	U	84	%	71-137		
							12	R	20		
1,1-Dichloropropene, Solid	ug/Kg	39.544	45.965	50.000	5.000	U	79	%	68-134		
							15	R	20		
Carbon tetrachloride, Solid	ug/Kg	40.941	46.925	50.000	5.000	U	82	%	67-130		
							14	R	20		
Benzene, Solid	ug/Kg	43.147	48.182	50.000	5.000	U	86	%	72-125		
							11	R	20		
1,2-Dichloroethane, Solid	ug/Kg	43.498	48.400	50.000	5.000	U	87	%	72-134		
							11	R	20		
Trichloroethene, Solid	ug/Kg	41.508	47.473	50.000	5.000	U	83	%	75-125		
							13	R	20		
1,2-Dichloropropane, Solid	ug/Kg	43.230	48.875	50.000	5.000	U	86	%	76-124		
							12	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	43.068	48.016	50.000	5.000 U	86	%	75-122	
						11	R	20	
Bromodichloromethane, Solid	ug/Kg	46.368	52.358	50.000	5.000 U	93	%	82-131	
						12	R	20	
cis-1,3-Dichloropropene, Solid	ug/Kg	40.836	48.523	52.000	5.000 U	79	%	78-118	
						17	R	20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	45.546	53.239	50.000	5.000 U	91	%	57-144	
						16	R	20	
Toluene, Solid	ug/Kg	42.752	48.252	50.000	5.000 U	86	%	73-121	
						12	R	20	
trans-1,3-Dichloropropene, Solid	ug/Kg	38.191	45.849	48.000	5.000 U	80	%	77-127	
						18	R	20	
1,1,2-Trichloroethane, Solid	ug/Kg	45.638	50.690	50.000	5.000 U	91	%	79-133	
						10	R	20	
Tetrachloroethene, Solid	ug/Kg	36.744	43.643	50.000	5.000 U	73	%	65-123	
						17	R	20	
1,3-Dichloropropane, Solid	ug/Kg	41.983	48.560	50.000	5.000 U	84	%	81-123	
						15	R	20	
2-Hexanone, Solid	ug/Kg	38.860	48.293	50.000	5.000 U	78	%	57-148	
						22	R	20	*
Dibromochloromethane, Solid	ug/Kg	40.357	48.286	50.000	5.000 U	81	%	78-125	
						18	R	20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	44.989	51.867	50.000	5.000 U	90	%	77-123	
						14	R	20	
Chlorobenzene, Solid	ug/Kg	40.679	46.465	50.000	5.000 U	81	%	77-115	
						13	R	20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	42.346	49.888	50.000	5.000 U	85	%	78-126	
						16	R	20	
Ethylbenzene, Solid	ug/Kg	39.794	46.906	50.000	5.000 U	80	%	73-121	
						16	R	20	
m&p-Xylenes, Solid	ug/Kg	81.391	94.702	100.000	10.000 U	81	%	73-122	
						15	R	20	
o-Xylene, Solid	ug/Kg	41.332	47.474	50.000	5.000 U	83	%	75-120	
						14	R	20	
Styrene, Solid	ug/Kg	41.788	48.615	50.000	5.000 U	84	%	76-124	
						15	R	20	
Bromoform, Solid	ug/Kg	37.788	46.045	50.000	5.000 U	76	%	72-132	
						20	R	20	
Isopropylbenzene, Solid	ug/Kg	36.840	44.738	50.000	5.000 U	74	%	59-114	
						19	R	20	
Bromobenzene, Solid	ug/Kg	41.732	48.498	50.000	5.000 U	83	%	75-118	
						15	R	20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	41.698	49.698	50.000	5.000 U	83	%	73-125	
						18	R	20	
1,2,3-Trichloropropane, Solid	ug/Kg	42.385	52.239	50.000	5.000 U	85	%	75-126	
						21	R	20	*
n-Propylbenzene, Solid	ug/Kg	39.833	47.636	50.000	5.000 U	80	%	66-126	
						18	R	20	
2-Chlorotoluene, Solid	ug/Kg	41.362	48.306	50.000	5.000 U	83	%	68-126	
						15	R	20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	41.370	48.289	50.000	5.000 U	83	%	68-125	
						15	R	20	
4-Chlorotoluene, Solid	ug/Kg	39.050	45.883	50.000	5.000 U	78	%	70-123	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	40.550	48.508	50.000	5.000	U	81	%	67-124	
							18	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	41.206	47.575	50.000	5.000	U	82	%	70-126	
							14	R	20	
sec-Butylbenzene, Solid	ug/Kg	39.897	47.498	50.000	5.000	U	80	%	65-129	
							17	R	20	
p-Isopropyltoluene, Solid	ug/Kg	38.432	45.084	50.000	5.000	U	77	%	65-121	
							16	R	20	
n-Butylbenzene, Solid	ug/Kg	38.358	45.211	50.000	5.000	U	77	%	64-133	
							16	R	20	
1,2-Dichlorobenzene, Solid	ug/Kg	40.611	46.985	50.000	5.000	U	81	%	75-117	
							15	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	38.934	50.828	50.000	5.000	U	78	%	61-133	
							27	R	20	*
1,2,3-Trichlorobenzene, Solid	ug/Kg	39.416	47.360	50.000	5.000	U	79	%	65-127	
							18	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSY	164695-017		11/04/2005	0455

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164952

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.469		50.000	5.000 U	75	%	39-159	
Chloromethane, Solid	ug/Kg	44.522		50.000	5.000 U	89	%	42-180	
Vinyl chloride, Solid	ug/Kg	44.317		50.000	5.000 U	89	%	60-125	
Bromomethane, Solid	ug/Kg	41.022		50.000	5.000 U	82	%	39-165	
Chloroethane, Solid	ug/Kg	41.655		50.000	5.000 U	83	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	41.052		50.000	5.000 U	82	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	45.402		50.000	5.000 U	91	%	47-141	
Carbon disulfide, Solid	ug/Kg	37.191		50.000	5.000 U	74	%	22-118	
Acetone, Solid	ug/Kg	47.910		50.000	5.000 U	96	%	50-176	
Methylene chloride, Solid	ug/Kg	44.442		50.000	5.000 U	89	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.745		50.000	5.000 U	93	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	51.288		50.000	5.000 U	103	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	47.511		50.000	5.000 U	95	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.343		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	49.264		50.000	5.000 U	99	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	41.529		50.000	5.000 U	83	%	41-166	
Bromochloromethane, Solid	ug/Kg	50.046		50.000	5.000 U	100	%	61-122	
Chloroform, Solid	ug/Kg	48.329		50.000	5.000 U	97	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	47.271		50.000	5.000 U	95	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	45.965		50.000	5.000 U	92	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	46.925		50.000	5.000 U	94	%	67-130	
Benzene, Solid	ug/Kg	48.182		50.000	5.000 U	96	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	48.400		50.000	5.000 U	97	%	72-134	
Trichloroethene, Solid	ug/Kg	47.473		50.000	5.000 U	95	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	48.875		50.000	5.000 U	98	%	76-124	
Dibromomethane, Solid	ug/Kg	48.016		50.000	5.000 U	96	%	75-122	
Bromodichloromethane, Solid	ug/Kg	52.358		50.000	5.000 U	105	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	48.523		52.000	5.000 U	93	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	53.239		50.000	5.000 U	106	%	57-144	
Toluene, Solid	ug/Kg	48.252		50.000	5.000 U	97	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.849		48.000	5.000 U	96	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	50.690		50.000	5.000 U	101	%	79-133	
Tetrachloroethene, Solid	ug/Kg	43.643		50.000	5.000 U	87	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	48.560		50.000	5.000 U	97	%	81-123	
2-Hexanone, Solid	ug/Kg	48.293		50.000	5.000 U	97	%	57-148	
Dibromochloromethane, Solid	ug/Kg	48.286		50.000	5.000 U	97	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.867		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	46.465		50.000	5.000 U	93	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.888		50.000	5.000 U	100	%	78-126	
Ethylbenzene, Solid	ug/Kg	46.906		50.000	5.000 U	94	%	73-121	
m&p-Xylenes, Solid	ug/Kg	94.702		100.000	10.000 U	95	%	73-122	
o-Xylene, Solid	ug/Kg	47.474		50.000	5.000 U	95	%	75-120	
Styrene, Solid	ug/Kg	48.615		50.000	5.000 U	97	%	76-124	
Bromoform, Solid	ug/Kg	46.045		50.000	5.000 U	92	%	72-132	
Isopropylbenzene, Solid	ug/Kg	44.738		50.000	5.000 U	89	%	59-114	
Bromobenzene, Solid	ug/Kg	48.498		50.000	5.000 U	97	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.698		50.000	5.000 U	99	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.239		50.000	5.000 U	104	%	75-126	
n-Propylbenzene, Solid	ug/Kg	47.636		50.000	5.000 U	95	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	48.306		50.000	5.000 U	97	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSY	164695-017		11/04/2005	0455

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.289		50.000	5.000	U	97	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	45.883		50.000	5.000	U	92	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	48.508		50.000	5.000	U	97	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	47.575		50.000	5.000	U	95	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	47.498		50.000	5.000	U	95	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	45.084		50.000	5.000	U	90	%	65-121	
n-Butylbenzene, Solid	ug/Kg	45.211		50.000	5.000	U	90	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	46.985		50.000	5.000	U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	50.828		50.000	5.000	U	102	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	47.360		50.000	5.000	U	95	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164695-016		11/04/2005	0429

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 164952
Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164695-016		11/04/2005	0429

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	N05ISPK001	163775-002		10/28/2005	1239

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.16		10.00	0.37	U	92	%	80-120	
Barium, Solid	mg/Kg	194.31		200.00	0.11	B	97	%	80-120	
Cadmium, Solid	mg/Kg	4.78		5.00	0.06	U	96	%	80-120	
Chromium, Solid	mg/Kg	19.64		20.00	0.10	U	98	%	80-120	
Lead, Solid	mg/Kg	10.06		10.00	0.25	U	101	%	80-120	
Selenium, Solid	mg/Kg	9.73		10.00	0.45	U	97	%	80-120	
Silver, Solid	mg/Kg	4.59		5.00	0.10	U	92	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163775	163775-001		10/28/2005	1234

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.11	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.10	U							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Test Method.....: Method — Batch.....: 163755 — Analyst...: pfk
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163755-001		%	0.1000 U								10/26/2005	1545

Test Method.....: Method — Batch.....: 164096 — Analyst...: pfk
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164096-001		%	0.1000 U								10/31/2005	0905

Test Method.....: 9045C — Batch.....: 164183 — Analyst...: pmf
Method Description.: pH (Soil) — Equipment Code....: — Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	164183-002	I05JPH7B	pH Units	6.96000		7.01000		0.05000		A	0.20000	10/31/2005	1244
LCDP	164183-003	I05JPH7B	pH Units	6.97000		7.01000		0.04000		A	0.20000	10/31/2005	1247

Test Method.....: 375.4 — Batch.....: 164239 — Analyst...: cls
Method Description.: Sulfate, Turbidimetric — Equipment Code....: SPEC3 — Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	164239-004		mg/L	1.70000	U										10/31/2005	1435
LCS	164239-005	I04KSTSA2	mg/L	18.14000				20.00000			91		%	80-120	10/31/2005	1436
MS	241319-3	I04KSTSA2	mg/Kg	461.86	B			8743.00	17.27	U	106		%	75-125	10/31/2005	1511
MSD	241319-3	I04KSTSA2	mg/Kg	445.03	B	461.86	B	8743.00	17.27	U	102		%	75-125	10/31/2005	1512
											3.8		R	20		

Test Method.....: 7.3.4.2/9034 — Batch.....: 163874 — Analyst...: mtb
Method Description.: Reactivity, Sulfide — Equipment Code....: — Test Code.: REACS
Parameter.....: Reactivity, Sulfide

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163874-001		mg/Kg	8.80 U								10/27/2005	1455
LCS	163874-002	I05HSTSF1A	mg/Kg	182.73		195.20	8.80	U 94		%	25-116	10/27/2005	1457

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 7471A
Method Description.: Mercury (CVAA) Solids
Parameter.....: Mercury

Batch.....: 163957
Equipment Code....: HG3

Analyst...: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	163953-007		mg/Kg	0.01	U									10/27/2005	1517
LCS	163953-008	MO4LSTK010	mg/Kg	0.17			0.17	0.01	U	101		%	80-120	10/27/2005	1519

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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Report To:
Contact: ERIC EVANS
Company: HGL
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Phone: 518-877-0310
Fax: 518-877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OM0009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241319

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OM0009-001
Project Location: MCA Barracks Hunter AAF
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	RCRA metals	VOCs 8260B (Encore)	pH	Sulfate	Sulfide*			Additional Analyses / Remarks
								3	40ml	HCl											
								2	40ml	HCl											
								3	40ml	none											
								1	8oz	none											
								1	5oz	none											
								1	4oz	none											
								1	4oz	none											
								1	4oz	none											
1		EB102505	10/25/05	1615	W	G					X										Standard TAT
2		TB102505		0700	↓	↓						X									↓
3		MCA-SOOO2-0-2-1005		0815	S	C								X	X	X	X	X			24 HR TAT
		MCA-GW002-15-1005		0930	W	G					X										Standard TAT
		MCA-GW002MS-1005		1000																	↓
		MCA-GW002MSD-1005		1000																	24 HR TAT
		MCA-GW002-30-1005		1000																	↓
		MCA-GW002-45-1005		1045	↓	↓					↓										Standard TAT
4		MCA-SOOOH-0.5-1.5-1005		1425	S	C								X	X						↓
5		MCA-SODUP104-1005		1049	↓	↓								X	↓						added by SR
6		MCA-SOOO8-3-4-1005	↓	1555	↓	↓								X	↓						
7		MCA-GWDUP106-1005		1543	W		K														

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-25-05	1930		STL	10/26/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
* SULFIDE & SULFIDE IN SAME 4 OZ JAR

Date Received 10/26/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241330

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/27/2005

Linda S Mackley
Signature

10-27-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (27) Pages

SEVERN TRENT STL

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2417 Bond Street
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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241330
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample 2. Toluene was outside of the QC limits in the MS and MSD for sample 2. The MS and MSD samples had all other control spike recoveries within the QC limits.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. A secondary dilution was required on sample 1 for target compounds. The results and reporting limits were adjusted to account for the dilutions performed.

John Nagel
GC/MS Dept.

10-27-05
Date

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SAMPLE INFORMATION
Date: 10/27/2005

Job Number.: 241330
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: HUNTER AAF
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241330-1	MCA-GW002-15-1005	Water	10/25/2005	09:30	10/26/2005	09:45
241330-2	MCA-GW002-30-1005	Water	10/25/2005	10:00	10/26/2005	09:45
241330-3	MCA-GW002-45-1005	Water	10/25/2005	10:45	10/26/2005	09:45

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Job Number: 241330

LABORATORY TEST RESULTS

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-15-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241330-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1-Dichloroethene	1.6			0.25	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	trans-1,2-Dichloroethene	0.91	J		0.29	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	cis-1,2-Dichloroethene	25			0.20	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Trichloroethene	370			1.3	10	10.0000	ug/L	163848	D1	10/26/05 2132	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-15-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241330-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Toluene	4.4			0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Tetrachloroethene	7.6			0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	m&p-Xylenes	2.0			0.36	2.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-15-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241330-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/26/05 2107	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330 Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-30-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241330-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Trichloroethene	1.7			0.13	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-30-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241330-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Toluene	5.6			0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	m&p-Xylenes	2.5			0.36	2.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	o-Xylene	0.87	J		0.19	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2,4-Trimethylbenzene	0.88	J		0.26	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-30-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 241330-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/26/05 2156	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241330

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-45-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 241330-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-45-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 241330-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Toluene	1.9			0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	m&p-Xylenes	1.2	J		0.36	2.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn

* In Description = Dry Wgt.

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Job Number: 241330

LABORATORY TEST RESULTS

Date:10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Customer Sample ID: MCA-GW002-45-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 241330-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163848		10/26/05 2308	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241330

Date: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

Lab ID: 241330-1 Client ID: MCA-GW002-15-1005

Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/26/2005	2132	
5030B	5030 10 mL Purge Prep	2	163841		10/26/2005	2107	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163848	163841	10/26/2005	2107	1.00000
8260B	Volatile Organics	1	163848	163841	10/26/2005	2132	10.0000

Lab ID: 241330-2 Client ID: MCA-GW002-30-1005

Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/26/2005	2156	
8260B	Volatile Organics	1	163848	163841	10/26/2005	2156	1.00000

Lab ID: 241330-3 Client ID: MCA-GW002-45-1005

Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163841		10/26/2005	2308	
5030B	5030 10 mL Purge Prep	2	163841		10/26/2005	2332	
8260B	Volatile Organics	1	163848	163841	10/26/2005	2308	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241330

Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAP ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 163848

Prep Batch..: 163841

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/26/2005	90	96	110	97
MB			10/26/2005	95	93	100	94
241330- 1		MCA-GW002-15-1005	10/26/2005	95	94	103	97
241330- 1	D1	MCA-GW002-15-1005	10/26/2005	97	92	103	98
241330- 2		MCA-GW002-30-1005	10/26/2005	98	92	105	98
241330- 2	MS	MCA-GW002-30-1005	10/26/2005	94	96	104	97
241330- 2	MSD	MCA-GW002-30-1005	10/26/2005	92	95	105	97
241330- 3		MCA-GW002-45-1005	10/26/2005	91	92	106	97

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163848

LCS	Laboratory Control Sample	V05J26DSA	163841-024		10/26/2005	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.829		25.000	1.000 U	51	%	24-171	
Chloromethane	ug/L	22.767		25.000	1.000 U	91	%	31-182	
Vinyl chloride	ug/L	25.359		25.000	1.000 U	101	%	50-145	
Bromomethane	ug/L	32.552		25.000	1.000 U	130	%	31-188	
Chloroethane	ug/L	31.965		25.000	1.000 U	128	%	58-148	
Trichlorofluoromethane	ug/L	29.977		25.000	1.000 U	120	%	54-142	
1,1-Dichloroethene	ug/L	28.071		25.000	1.000 U	112	%	51-136	
Carbon disulfide	ug/L	23.021		25.000	5.000 U	92	%	21-111	
Acetone	ug/L	31.349		25.000	5.000 U	125	%	14-177	
Methylene chloride	ug/L	26.803		25.000	1.000 U	107	%	64-127	
trans-1,2-Dichloroethene	ug/L	31.456		25.000	1.000 U	126	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.866		25.000	1.000 U	119	%	55-142	
1,1-Dichloroethane	ug/L	28.435		25.000	1.000 U	114	%	70-124	
2,2-Dichloropropane	ug/L	28.687		25.000	1.000 U	115	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.387		25.000	1.000 U	118	%	70-125	
2-Butanone (MEK)	ug/L	23.644		25.000	5.000 U	95	%	29-139	
Bromochloromethane	ug/L	28.776		25.000	1.000 U	115	%	57-116	
Chloroform	ug/L	30.380		25.000	1.000 U	122	%	75-122	
1,1,1-Trichloroethane	ug/L	30.357		25.000	1.000 U	121	%	70-127	
1,1-Dichloropropene	ug/L	28.758		25.000	1.000 U	115	%	70-125	
Carbon tetrachloride	ug/L	27.598		25.000	1.000 U	110	%	64-132	
Benzene	ug/L	26.848		25.000	1.000 U	107	%	75-122	
1,2-Dichloroethane	ug/L	24.451		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	26.766		25.000	1.000 U	107	%	70-125	
1,2-Dichloropropane	ug/L	26.092		25.000	1.000 U	104	%	76-116	
Dibromomethane	ug/L	20.240		25.000	1.000 U	81	%	68-116	
Bromodichloromethane	ug/L	27.695		25.000	1.000 U	111	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.922		26.000	1.000 U	96	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.837		25.000	5.000 U	91	%	39-137	
Toluene	ug/L	26.673		25.000	1.000 U	107	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.184		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.351		25.000	1.000 U	109	%	63-127	
Tetrachloroethene	ug/L	26.969		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.661		25.000	1.000 U	103	%	72-118	
2-Hexanone	ug/L	23.727		25.000	5.000 U	95	%	36-144	
Dibromochloromethane	ug/L	26.219		25.000	1.000 U	105	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.221		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	25.852		25.000	1.000 U	103	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.926		25.000	1.000 U	104	%	77-120	
Ethylbenzene	ug/L	28.359		25.000	1.000 U	113	%	75-125	
m&p-Xylenes	ug/L	55.276		50.000	2.000 U	111	%	75-123	
o-Xylene	ug/L	27.269		25.000	1.000 U	109	%	76-121	
Styrene	ug/L	28.166		25.000	1.000 U	113	%	77-128	
Bromoform	ug/L	23.775		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	25.956		25.000	1.000 U	104	%	64-119	
Bromobenzene	ug/L	26.990		25.000	1.000 U	108	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	25.558		25.000	1.000 U	102	%	61-122	
1,2,3-Trichloropropane	ug/L	24.655		25.000	1.000 U	99	%	62-124	
n-Propylbenzene	ug/L	29.521		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.007		25.000	1.000 U	112	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J26DSA	163841-024		10/26/2005	2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.606		25.000	1.000 U	118	%	70-132	
4-Chlorotoluene	ug/L	28.007		25.000	1.000 U	112	%	70-126	
tert-Butylbenzene	ug/L	29.222		25.000	1.000 U	117	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.911		25.000	1.000 U	116	%	71-131	
sec-Butylbenzene	ug/L	29.028		25.000	1.000 U	116	%	70-134	
p-Isopropyltoluene	ug/L	27.211		25.000	1.000 U	109	%	66-130	
n-Butylbenzene	ug/L	29.524		25.000	1.000 U	118	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	25.336		25.000	1.000 U	101	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.536		25.000	1.000 U	102	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163841-023		10/26/2005	2018

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163848

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241330

QUALITY CONTROL RESULTS

Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163841-023		10/26/2005	2018

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J26DSA	241330-2		10/26/2005	2220

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 163848

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.736		25.000	1.000 U	47	%	24-171	
Chloromethane	ug/L	21.196		25.000	1.000 U	85	%	31-182	
Vinyl chloride	ug/L	24.130		25.000	1.000 U	97	%	50-145	
Bromomethane	ug/L	29.681		25.000	1.000 U	119	%	31-188	
Chloroethane	ug/L	31.530		25.000	1.000 U	126	%	58-148	
Trichlorofluoromethane	ug/L	27.786		25.000	1.000 U	111	%	54-142	
1,1-Dichloroethene	ug/L	28.369		25.000	1.000 U	113	%	51-136	
Carbon disulfide	ug/L	23.696		25.000	5.000 U	95	%	21-111	
Acetone	ug/L	26.363		25.000	5.000 U	105	%	14-177	
Methylene chloride	ug/L	27.546		25.000	1.000 U	110	%	64-127	
trans-1,2-Dichloroethene	ug/L	30.264		25.000	1.000 U	121	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.192		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	28.106		25.000	1.000 U	112	%	70-124	
2,2-Dichloropropane	ug/L	27.514		25.000	1.000 U	110	%	68-127	
cis-1,2-Dichloroethene	ug/L	29.509		25.000	1.000 U	118	%	70-125	
2-Butanone (MEK)	ug/L	28.005		25.000	5.000 U	112	%	29-139	
Bromochloromethane	ug/L	24.409		25.000	1.000 U	98	%	57-116	
Chloroform	ug/L	29.608		25.000	1.000 U	118	%	75-122	
1,1,1-Trichloroethane	ug/L	29.298		25.000	1.000 U	117	%	70-127	
1,1-Dichloropropene	ug/L	27.494		25.000	1.000 U	110	%	70-125	
Carbon tetrachloride	ug/L	27.949		25.000	1.000 U	112	%	64-132	
Benzene	ug/L	26.872		25.000	1.000 U	107	%	75-122	
1,2-Dichloroethane	ug/L	25.542		25.000	1.000 U	102	%	67-120	
Trichloroethene	ug/L	29.601		25.000	1.703	112	%	70-125	
1,2-Dichloropropane	ug/L	26.220		25.000	1.000 U	105	%	76-116	
Dibromomethane	ug/L	20.828		25.000	1.000 U	83	%	68-116	
Bromodichloromethane	ug/L	27.739		25.000	1.000 U	111	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.255		26.000	1.000 U	97	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.659		25.000	5.000 U	103	%	39-137	
Toluene	ug/L	36.602		25.000	5.629	124	%	77-120	*
trans-1,3-Dichloropropene	ug/L	21.500		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	26.232		25.000	1.000 U	105	%	63-127	
Tetrachloroethene	ug/L	27.325		25.000	1.000 U	109	%	45-150	
1,3-Dichloropropane	ug/L	26.049		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	25.734		25.000	5.000 U	103	%	36-144	
Dibromochloromethane	ug/L	25.562		25.000	1.000 U	102	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.531		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	25.836		25.000	1.000 U	103	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.629		25.000	1.000 U	107	%	77-120	
Ethylbenzene	ug/L	28.847		25.000	1.000 U	115	%	75-125	
m&p-Xylenes	ug/L	58.146		50.000	2.501	111	%	75-123	
o-Xylene	ug/L	28.797		25.000	0.874 J	115	%	76-121	
Styrene	ug/L	27.144		25.000	1.000 U	109	%	77-128	
Bromoform	ug/L	24.557		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	27.025		25.000	1.000 U	108	%	64-119	
Bromobenzene	ug/L	28.253		25.000	1.000 U	113	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	27.332		25.000	1.000 U	109	%	61-122	
1,2,3-Trichloropropane	ug/L	25.422		25.000	1.000 U	102	%	62-124	
n-Propylbenzene	ug/L	30.280		25.000	1.000 U	121	%	69-132	
2-Chlorotoluene	ug/L	28.244		25.000	1.000 U	113	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05J26DSA	241330-2		10/26/2005	2220

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.898		25.000	1.000 U	120	%	70-132	
4-Chlorotoluene	ug/L	28.244		25.000	1.000 U	113	%	70-126	
tert-Butylbenzene	ug/L	30.032		25.000	1.000 U	120	%	70-133	
1,2,4-Trimethylbenzene	ug/L	30.086		25.000	0.883 J	120	%	71-131	
sec-Butylbenzene	ug/L	29.547		25.000	1.000 U	118	%	70-134	
p-Isopropyltoluene	ug/L	27.421		25.000	1.000 U	110	%	66-130	
n-Butylbenzene	ug/L	29.850		25.000	1.000 U	119	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	26.688		25.000	1.000 U	107	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.312		25.000	1.000 U	97	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J26DSA	241330-2		10/26/2005	2244

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163848

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.832	11.736	25.000	1.000	U	47 0	% R	24-171 20	
Chloromethane	ug/L	23.280	21.196	25.000	1.000	U	93 9	% R	31-182 20	
Vinyl chloride	ug/L	25.674	24.130	25.000	1.000	U	103 6	% R	50-145 20	
Bromomethane	ug/L	34.410	29.681	25.000	1.000	U	138 15	% R	31-188 20	
Chloroethane	ug/L	34.864	31.530	25.000	1.000	U	139 10	% R	58-148 20	
Trichlorofluoromethane	ug/L	28.213	27.786	25.000	1.000	U	113 2	% R	54-142 20	
1,1-Dichloroethene	ug/L	29.640	28.369	25.000	1.000	U	119 5	% R	51-136 20	
Carbon disulfide	ug/L	23.668	23.696	25.000	5.000	U	95 0	% R	21-111 20	
Acetone	ug/L	29.123	26.363	25.000	5.000	U	116 10	% R	14-177 20	
Methylene chloride	ug/L	29.262	27.546	25.000	1.000	U	117 6	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	31.619	30.264	25.000	1.000	U	126 4	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	28.604	25.192	25.000	1.000	U	114 12	% R	55-142 20	
1,1-Dichloroethane	ug/L	29.875	28.106	25.000	1.000	U	120 7	% R	70-124 20	
2,2-Dichloropropane	ug/L	28.287	27.514	25.000	1.000	U	113 3	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	31.079	29.509	25.000	1.000	U	124 5	% R	70-125 20	
2-Butanone (MEK)	ug/L	29.692	28.005	25.000	5.000	U	119 6	% R	29-139 20	
Bromochloromethane	ug/L	27.309	24.409	25.000	1.000	U	109 11	% R	57-116 20	
Chloroform	ug/L	32.496	29.608	25.000	1.000	U	130 10	% R	75-122 20	*
1,1,1-Trichloroethane	ug/L	30.381	29.298	25.000	1.000	U	122 4	% R	70-127 20	
1,1-Dichloropropene	ug/L	28.484	27.494	25.000	1.000	U	114 4	% R	70-125 20	
Carbon tetrachloride	ug/L	24.165	27.949	25.000	1.000	U	97 14	% R	64-132 20	
Benzene	ug/L	28.210	26.872	25.000	1.000	U	113 5	% R	75-122 20	
1,2-Dichloroethane	ug/L	25.992	25.542	25.000	1.000	U	104 2	% R	67-120 20	
Trichloroethene	ug/L	31.252	29.601	25.000	1.703		118 5	% R	70-125 20	
1,2-Dichloropropane	ug/L	26.866	26.220	25.000	1.000	U	107 2	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	V05J26DSA	241330-2		10/26/2005 2244

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.340	20.828	25.000	1.000 U	85	%	68-116	
						2	R	20	
Bromodichloromethane	ug/L	27.218	27.739	25.000	1.000 U	109	%	75-125	
						2	R	20	
cis-1,3-Dichloropropene	ug/L	24.896	25.255	26.000	1.000 U	96	%	72-115	
						1	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	26.004	25.659	25.000	5.000 U	104	%	39-137	
						1	R	20	
Toluene	ug/L	37.957	36.602	25.000	5.629	129	%	77-120	*
						4	R	20	
trans-1,3-Dichloropropene	ug/L	20.729	21.500	24.000	1.000 U	86	%	68-119	
						5	R	20	
1,1,2-Trichloroethane	ug/L	28.108	26.232	25.000	1.000 U	112	%	63-127	
						6	R	20	
Tetrachloroethene	ug/L	26.132	27.325	25.000	1.000 U	105	%	45-150	
						4	R	20	
1,3-Dichloropropane	ug/L	27.069	26.049	25.000	1.000 U	108	%	72-118	
						4	R	20	
2-Hexanone	ug/L	27.550	25.734	25.000	5.000 U	110	%	36-144	
						7	R	20	
Dibromochloromethane	ug/L	24.730	25.562	25.000	1.000 U	99	%	73-116	
						3	R	20	
1,2-Dibromoethane (EDB)	ug/L	26.645	24.531	25.000	1.000 U	107	%	62-123	
						9	R	20	
Chlorobenzene	ug/L	26.216	25.836	25.000	1.000 U	105	%	76-116	
						2	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.894	26.629	25.000	1.000 U	104	%	77-120	
						3	R	20	
Ethylbenzene	ug/L	29.245	28.847	25.000	1.000 U	117	%	75-125	
						2	R	20	
m&p-Xylenes	ug/L	58.535	58.146	50.000	2.501	112	%	75-123	
						1	R	20	
o-Xylene	ug/L	28.950	28.797	25.000	0.874 J	116	%	76-121	
						1	R	20	
Styrene	ug/L	27.155	27.144	25.000	1.000 U	109	%	77-128	
						0	R	20	
Bromoform	ug/L	21.171	24.557	25.000	1.000 U	85	%	65-115	
						14	R	20	
Isopropylbenzene	ug/L	26.167	27.025	25.000	1.000 U	105	%	64-119	
						3	R	20	
Bromobenzene	ug/L	28.233	28.253	25.000	1.000 U	113	%	76-118	
						0	R	20	
1,1,2,2-Tetrachloroethane	ug/L	27.614	27.332	25.000	1.000 U	110	%	61-122	
						1	R	20	
1,2,3-Trichloropropane	ug/L	28.158	25.422	25.000	1.000 U	113	%	62-124	
						10	R	20	
n-Propylbenzene	ug/L	29.194	30.280	25.000	1.000 U	117	%	69-132	
						3	R	20	
2-Chlorotoluene	ug/L	28.080	28.244	25.000	1.000 U	112	%	70-127	
						1	R	20	
1,3,5-Trimethylbenzene	ug/L	29.022	29.898	25.000	1.000 U	116	%	70-132	
						3	R	20	
4-Chlorotoluene	ug/L	28.080	28.244	25.000	1.000 U	112	%	70-126	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241330 Report Date.: 10/27/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: HUNTER AAF ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05J26DSA	241330-2		10/26/2005	2244

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.112	30.032	25.000	1.000	U	112 7	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	29.477	30.086	25.000	0.883	J	118 2	% R	71-131 20	
sec-Butylbenzene	ug/L	27.696	29.547	25.000	1.000	U	111 6	% R	70-134 20	
p-Isopropyltoluene	ug/L	26.003	27.421	25.000	1.000	U	104 6	% R	66-130 20	
n-Butylbenzene	ug/L	27.658	29.850	25.000	1.000	U	111 7	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	27.701	26.688	25.000	1.000	U	111 4	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	22.506	24.312	25.000	1.000	U	90 7	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: 313 US Hwy 45 Rd
Ballston Lake, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EEvans@HGL.com

Bill To:
Contact: Same
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241330

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: MCA Barracks Hunter AAF
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	RCRA metals	VOCs 8260B (Water)	pH	Sulfate	Sulfide	Additional Analyses / Remarks
		EB102505	10/25/05	1615	W	G		3	40ml	HCl	X								Standard TAT
		TB102505		1700	↓	↓		2	40ml	HCl		X							↓
		MCA-S0002-0-2-1005		0815	S	C		1	8oz	none				X	X	X	X	X	
1		MCA-GW002-15-1005		0930	W	G		3	40ml	HCl			X						24 HR TAT
2		MCA-GW002MS-1005		1000															Standard TAT
↓		MCA-GW002MSD-1005		1000															↓
↓		MCA-GW002-30-1005		1000															24 HR TAT
3		MCA-GW002-45-1005		1045	↓	↓							↓						↓
		MCA-S0006-0.5-1.5-1005		1425	S	C		1	8oz	none				X	X				Standard TAT
		MCA-SODup104-1005		1049	↓	↓								X	↓				↓
		MCA-S0008-3-4-1005	↓	1555	↓	↓								X	↓				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-25-05	1830		STL	10/26/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
Wi = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
* Sulfate & sulfide in same 40z bottle

Date Received 10/26/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL®

STL Chicago
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University Park, IL 60466

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241319

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/08/2005

Linda S Mackley
Signature

11-8-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (59) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08102105

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241319
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The dilution to sample 7 had one surrogate above the QAPP specified QC limits, but within the in house QC limits. The dilution to sample 7 was reanalyzed with similar results and the best analysis was reported. The other samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. A secondary dilution was required on sample 7 for target compounds. The results and reporting limits were adjusted to account for the dilutions performed.

John Nagel
GC/MS Dept.

11-8-05
Date

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S A M P L E I N F O R M A T I O N
Date: 11/08/2005

Job Number.: 241319
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241319-1	EB102505	Water	10/25/2005	16:15	10/26/2005	09:45
241319-2	TB102505	Water	10/25/2005	17:00	10/26/2005	09:45
241319-3	MCA-S0002-0-2-1005	Soil	10/25/2005	08:15	10/26/2005	09:45
241319-4	MCA-S0006-0.5-1.5-1005	Soil	10/25/2005	14:25	10/26/2005	09:45
241319-5	MCA-SODUP104-1005	Soil	10/25/2005	10:49	10/26/2005	09:45
241319-6	MCA-S0008-3-4-1005	Soil	10/25/2005	15:55	10/26/2005	09:45
241319-7	MCA-GWDUP106-1005	Water	10/25/2005	15:43	10/26/2005	09:45

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Methylene chloride	1.5			0.24	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloroform	0.68	J		0.14	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Ethylbenzene	0.72	J		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	m&p-Xylenes	2.2			0.36	2.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	o-Xylene	0.66	J		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.5			0.10	0.10	1	%	163755		10/26/05 1555	pfk
	% Moisture, Solid	8.5			0.10	0.10	1	%	163755		10/26/05 1555	pfk
9045C	pH (Soil)											
	pH, Solid	5.8			0.2	0.2	1	pH Units	164183		10/31/05 1305	pmf
375.4	Sulfate, Turbidimetric											
	Sulfate, Solid*	55	U		17	55	1	mg/Kg	164239		10/31/05 1510	cls
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	50	U		8.8	50	1	mg/Kg	163874		10/27/05 1510	mtb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.025	B		0.0067	0.036	1	mg/Kg	163957		10/27/05 1545	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.0	U		0.38	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Barium, Solid*	3.3			0.075	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Cadmium, Solid*	0.21	U		0.060	0.21	1	mg/Kg	164090		10/28/05 1340	lmr
	Chromium, Solid*	2.2			0.10	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Lead, Solid*	3.2			0.26	0.52	1	mg/Kg	164090		10/28/05 1340	lmr
	Selenium, Solid*	1.0	U		0.47	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Silver, Solid*	0.13	B		0.10	0.52	1	mg/Kg	164090		10/28/05 1340	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloromethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Vinyl chloride, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Bromomethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloroethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Trichlorofluoromethane, Solid*	5.5	U		1.6	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Carbon disulfide, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Acetone, Solid*	5.5	U		4.7	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Methylene chloride, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	trans-1,2-Dichloroethene, Solid*	5.5	U		0.84	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloroethane, Solid*	5.5	U		0.64	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2,2-Dichloropropane, Solid*	5.5	U		1.5	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	cis-1,2-Dichloroethene, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Butanone (MEK), Solid*	5.5	U		2.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromochloromethane, Solid*	5.5	U		0.82	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloroform, Solid*	5.5	U		0.74	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,1-Trichloroethane, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloropropene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Carbon tetrachloride, Solid*	5.5	U		0.80	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Benzene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichloroethane, Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Trichloroethene, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichloropropane, Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Dibromomethane, Solid*	5.5	U		0.87	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromodichloromethane, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	cis-1,3-Dichloropropene, Solid*	5.5	U		0.63	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Toluene, Solid*	5.5	U		1.9	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	trans-1,3-Dichloropropene, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,2-Trichloroethane, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Tetrachloroethene, Solid*	5.5	U		0.98	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,3-Dichloropropane, Solid*	5.5	U		0.67	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Hexanone, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Dibromochloromethane, Solid*	5.5	U		0.71	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dibromoethane (EDB), Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chlorobenzene, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Ethylbenzene, Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0127	ges
	o-Xylene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Styrene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromoform, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Isopropylbenzene, Solid*	5.5	U		0.74	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromobenzene, Solid*	5.5	U		0.53	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.5	U		0.77	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,3-Trichloropropane, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	n-Propylbenzene, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Chlorotoluene, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,3,5-Trimethylbenzene, Solid*	5.5	U		0.88	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	4-Chlorotoluene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	tert-Butylbenzene, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,4-Trimethylbenzene, Solid*	5.5	U		0.93	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	sec-Butylbenzene, Solid*	5.5	U		0.92	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	p-Isopropyltoluene, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	n-Butylbenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichlorobenzene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.5	U		1.6	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,3-Trichlorobenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0006-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
Method	% Solids Determination											
	% Solids, Solid	90.9			0.10	0.10	1	%	163755		10/26/05 1556	pfk
	% Moisture, Solid	9.1			0.10	0.10	1	%	163755		10/26/05 1556	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.023	B		0.0067	0.036	1	mg/Kg	163957		10/27/05 1547	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.45	B		0.38	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Barium, Solid*	11			0.074	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Cadmium, Solid*	0.20	U		0.059	0.20	1	mg/Kg	164090		10/28/05 1345	lmr
	Chromium, Solid*	4.0			0.10	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Lead, Solid*	3.2			0.26	0.51	1	mg/Kg	164090		10/28/05 1345	lmr
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	164090		10/28/05 1345	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloromethane, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Vinyl chloride, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromomethane, Solid*	5.6	U		3.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloroethane, Solid*	5.6	U		3.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Trichlorofluoromethane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1-Dichloroethene, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Carbon disulfide, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Acetone, Solid*	5.9			4.8	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Methylene chloride, Solid*	5.6	U		1.8	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	trans-1,2-Dichloroethene, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0006-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.6	U		0.66	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2,2-Dichloropropane, Solid*	5.6	U		1.6	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	cis-1,2-Dichloroethene, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Butanone (MEK), Solid*	5.6	U		2.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromochloromethane, Solid*	5.6	U		0.84	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloroform, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,1-Trichloroethane, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1-Dichloropropene, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Carbon tetrachloride, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Benzene, Solid*	5.6	U		0.78	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichloroethane, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Trichloroethene, Solid*	31			0.74	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichloropropane, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Dibromomethane, Solid*	5.6	U		0.90	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromodichloromethane, Solid*	5.6	U		0.64	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	cis-1,3-Dichloropropene, Solid*	5.6	U		0.65	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Toluene, Solid*	5.6	U		1.9	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,2-Trichloroethane, Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Tetrachloroethene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,3-Dichloropropane, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Hexanone, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Dibromochloromethane, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chlorobenzene, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Ethylbenzene, Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOOO6-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.6	U		0.70	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Styrene, Solid*	5.6	U		0.70	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromoform, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Isopropylbenzene, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromobenzene, Solid*	5.6	U		0.55	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,3-Trichloropropane, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	n-Propylbenzene, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Chlorotoluene, Solid*	5.6	U		0.74	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,3,5-Trimethylbenzene, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	4-Chlorotoluene, Solid*	5.6	U		0.78	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	tert-Butylbenzene, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,4-Trimethylbenzene, Solid*	5.6	U		0.96	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	sec-Butylbenzene, Solid*	5.6	U		0.94	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	p-Isopropyltoluene, Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	n-Butylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichlorobenzene, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,3-Trichlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	89.9			0.10	0.10	1	%	164096		10/31/05 0906	pfk
	% Moisture, Solid	10.1			0.10	0.10	1	%	164096		10/31/05 0906	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	3.4	U		0.65	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloromethane, Solid*	3.4	U		0.89	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Vinyl chloride, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromomethane, Solid*	3.4	U	*	2.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloroethane, Solid*	3.4	U		2.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Trichlorofluoromethane, Solid*	3.4	U		1.0	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloroethene, Solid*	3.4	U		0.89	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Carbon disulfide, Solid*	3.4	U		0.68	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Acetone, Solid*	3.4	U	*	2.9	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Methylene chloride, Solid*	3.4	U		1.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	trans-1,2-Dichloroethene, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloroethane, Solid*	3.4	U		0.40	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2,2-Dichloropropane, Solid*	3.4	U	*	0.96	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	cis-1,2-Dichloroethene, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Butanone (MEK), Solid*	3.4	U		1.5	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromochloromethane, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloroform, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,1-Trichloroethane, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloropropene, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Carbon tetrachloride, Solid*	3.4	U		0.50	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Benzene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dichloroethane, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Trichloroethene, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dichloropropane, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Dibromomethane, Solid*	3.4	U		0.55	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromodichloromethane, Solid*	3.4	U		0.39	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	cis-1,3-Dichloropropene, Solid*	3.4	U		0.40	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	4-Methyl-2-pentanone (MIBK), Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Toluene, Solid*	3.5			1.2	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	trans-1,3-Dichloropropene, Solid*	3.4	U		0.41	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,2-Trichloroethane, Solid*	3.4	U		0.56	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Tetrachloroethene, Solid*	3.4	U		0.62	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,3-Dichloropropane, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Hexanone, Solid*	3.4	U	*	0.82	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Dibromochloromethane, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dibromoethane (EDB), Solid*	3.4	U		0.44	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chlorobenzene, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,1,2-Tetrachloroethane, Solid*	3.4	U		0.41	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Ethylbenzene, Solid*	3.4	U		0.44	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	m&p-Xylenes, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	164952		11/04/05 1257	ges
	o-Xylene, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Styrene, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromoform, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Isopropylbenzene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromobenzene, Solid*	3.4	U		0.34	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,2,2-Tetrachloroethane, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2,3-Trichloropropane, Solid*	3.4	U	*	0.82	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	n-Propylbenzene, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Chlorotoluene, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,3,5-Trimethylbenzene, Solid*	3.4	U		0.55	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	4-Chlorotoluene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	tert-Butylbenzene, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	3.4	U		0.58	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	sec-Butylbenzene, Solid*	3.4	U		0.58	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	p-Isopropyltoluene, Solid*	3.4	U		0.56	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	n-Butylbenzene, Solid*	3.4	U		0.75	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dichlorobenzene, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dibromo-3-chloropropane, Solid*	3.4	U	*	1.0	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2,3-Trichlorobenzene, Solid*	3.4	U		0.75	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	87.4			0.10	0.10	1	%	163755		10/26/05 1557	pfk
	% Moisture, Solid	12.6			0.10	0.10	1	%	163755		10/26/05 1557	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.027	B		0.0070	0.038	1	mg/Kg	163957		10/27/05 1549	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.98	U		0.36	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Barium, Solid*	11			0.071	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Cadmium, Solid*	0.20	U		0.057	0.20	1	mg/Kg	164090		10/28/05 1349	lmr
	Chromium, Solid*	3.8			0.098	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Lead, Solid*	19			0.24	0.49	1	mg/Kg	164090		10/28/05 1349	lmr
	Selenium, Solid*	0.98	U		0.44	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Silver, Solid*	0.49	U		0.098	0.49	1	mg/Kg	164090		10/28/05 1349	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloromethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Vinyl chloride, Solid*	5.5	U		0.86	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromomethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloroethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Trichlorofluoromethane, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Carbon disulfide, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Acetone, Solid*	35			4.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Methylene chloride, Solid*	5.5	U		1.8	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	trans-1,2-Dichloroethene, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,1-Dichloroethane, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2,2-Dichloropropane, Solid*	5.5	U		1.5	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	cis-1,2-Dichloroethene, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Butanone (MEK), Solid*	5.5	U		2.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromochloromethane, Solid*	5.5	U		0.83	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloroform, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,1-Trichloroethane, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1-Dichloropropene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Carbon tetrachloride, Solid*	5.5	U		0.80	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Benzene, Solid*	5.5	U		0.76	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichloroethane, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Trichloroethene, Solid*	5.5	U		0.73	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichloropropane, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Dibromomethane, Solid*	5.5	U		0.88	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromodichloromethane, Solid*	5.5	U		0.63	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	cis-1,3-Dichloropropene, Solid*	5.5	U		0.64	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Toluene, Solid*	5.5	U		1.9	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	trans-1,3-Dichloropropene, Solid*	5.5	U		0.66	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,2-Trichloroethane, Solid*	5.5	U		0.90	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Tetrachloroethene, Solid*	5.5	U		0.99	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,3-Dichloropropane, Solid*	5.5	U		0.67	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Hexanone, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Dibromochloromethane, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dibromoethane (EDB), Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chlorobenzene, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.5	U		0.66	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Ethylbenzene, Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Styrene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromoform, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Isopropylbenzene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromobenzene, Solid*	5.5	U		0.54	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.5	U		0.78	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,3-Trichloropropane, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	n-Propylbenzene, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Chlorotoluene, Solid*	5.5	U		0.73	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,3,5-Trimethylbenzene, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	4-Chlorotoluene, Solid*	5.5	U		0.76	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	tert-Butylbenzene, Solid*	5.5	U		0.86	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,4-Trimethylbenzene, Solid*	5.5	U		0.94	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	sec-Butylbenzene, Solid*	5.5	U		0.92	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	p-Isopropyltoluene, Solid*	5.5	U		0.90	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	n-Butylbenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichlorobenzene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,3-Trichlorobenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloroethene	0.60	J		0.25	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	trans-1,2-Dichloroethene	1.7			0.29	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	cis-1,2-Dichloroethene	15			0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Trichloroethene	300			1.3	10	10.0000	ug/L	164839	D1	11/05/05 0438	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Toluene	3.2			0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Tetrachloroethene	4.3			0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	m&p-Xylenes	1.3	J		0.36	2.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241319-1 Client ID: EB102505 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005 0325	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	164839	164740	11/05/2005 0325	1.00000

Lab ID: 241319-2 Client ID: TB102505 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005 0349	
8260B	Volatile Organics	1	164839	164740	11/05/2005 0349	1.00000

Lab ID: 241319-3 Client ID: MCA-S0002-0-2-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1555	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0127	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0415	
5035	5035 Preservation Low	1	163784		10/27/2005 0415	
5035	5035 Preservation Low	1	163784		10/27/2005 0416	
5035	5035 Preservation Low	2	163784		10/27/2005 0415	
5035	5035 Preservation Low	2	163784		10/27/2005 0416	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164456			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1545	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1340	
7.3.4.2/9034	Reactivity, Sulfide	1	163874	163874	10/27/2005 1510	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
375.4	Sulfate, Turbidimetric	1	164239	164239	10/31/2005 1510	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005 0127	1.00000
9045C	pH (Soil)	1	164183	164183	10/31/2005 1305	

Lab ID: 241319-4 Client ID: MCA-S0006-0.5-1.5-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1556	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0152	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0416	
5035	5035 Preservation Low	1	163784		10/27/2005 0416	
5035	5035 Preservation Low	2	163784		10/27/2005 0417	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164456			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1547	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1345	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005 0152	1.00000

Lab ID: 241319-5 Client ID: MCA-SODUP104-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	164096	164096	10/31/2005 0906	
5035	5035 Archon Closed Purge & Trap	1	164695		11/04/2005 1257	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0418	
5035	5035 Preservation Low	1	163784		10/27/2005 0418	
5035	5035 Preservation Low	2	163784		10/28/2005 0940	
Supplies	Bottles and Supplies - Charges	1	164456			
8260B	Volatile Organics	1	164952	163784-164695	11/04/2005 1257	1.00000

Lab ID: 241319-6 Client ID: MCA-S0008-3-4-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1557	

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L A B O R A T O R Y C H R O N I C L E

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241319-6 Client ID: MCA-S0008-3-4-1005 Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005	0244	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005	0419	
5035	5035 Preservation Low	1	163784		10/27/2005	0419	
5035	5035 Preservation Low	2	163784		10/27/2005	0418	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005	1845	
Supplies	Bottles and Supplies - Charges	1	164456				
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005	1549	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005	1349	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005	1200	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005	0244	1.00000

Lab ID: 241319-7 Client ID: MCA-GWDUP106-1005 Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005	0413	
5030B	5030 10 mL Purge Prep	2	164740		11/05/2005	0438	
5030B	5030 10 mL Purge Prep	3	164939		11/07/2005	2332	
8260B	Volatile Organics	1	164839	164740	11/05/2005	0413	1.00000
8260B	Volatile Organics	1	164839	164740	11/05/2005	0438	10.0000

SURROGATE RECOVERIES REPORT

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 163658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/03/2005	90	95	84	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913 164952
Prep Batch..: 163784

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/04/2005	87	100	87	91
EB3			11/04/2005	85	100	85	93
241319- 3		MCA-S0002-0-2-1005	11/04/2005	93	99	87	94
241319- 4		MCA-S0006-0.5-1.5-1005	11/04/2005	94	101	89	98
241319- 5		MCA-SODUP104-1005	11/04/2005	84	92	85	91
241319- 6		MCA-S0008-3-4-1005	11/04/2005	93	97	90	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164333

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB3			11/03/2005	79	95	82	89

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	79	95	83	92
MB			11/03/2005	80	97	83	88

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SURROGATE RECOVERIES REPORT

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164658
Method Code...: 8260B Batch(s).....: 164913

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164695
Method Code...: 8260B Batch(s).....: 164952

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/04/2005	81	94	84	93
LCS			11/04/2005	81	95	85	93
MB			11/04/2005	80	92	81	87

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164740
Method Code...: 8260B Batch(s).....: 164839

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/04/2005	96	108	109	101
MB			11/04/2005	104	101	109	98
241319- 1		EB102505	11/05/2005	115	105	115	100
241319- 2		TB102505	11/05/2005	113	104	110	101
241319- 7		MCA-GWDUP106-1005	11/05/2005	109	107	109	102
241319- 7	D1	MCA-GWDUP106-1005	11/05/2005	114	103	117*	101

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCS	Laboratory Control Sample	V05K04DSA	164740-02B		11/04/2005 2211

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL2
Batch.....: 164839
Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	22.837		25.000	1.000 U	91	%	24-171	
Chloromethane	ug/L	19.868		25.000	1.000 U	79	%	31-182	
Vinyl chloride	ug/L	21.370		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	31.600		25.000	1.000 U	126	%	31-188	
Chloroethane	ug/L	21.108		25.000	1.000 U	84	%	58-148	
Trichlorofluoromethane	ug/L	24.016		25.000	1.000 U	96	%	54-142	
1,1-Dichloroethene	ug/L	21.898		25.000	1.000 U	88	%	51-136	
Carbon disulfide	ug/L	16.698		25.000	5.000 U	67	%	21-111	
Acetone	ug/L	22.180		25.000	5.000 U	89	%	14-177	
Methylene chloride	ug/L	21.323		25.000	1.000 U	85	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.413		25.000	1.000 U	82	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.178		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	21.932		25.000	1.000 U	88	%	70-124	
2,2-Dichloropropane	ug/L	26.629		25.000	1.000 U	107	%	68-127	
cis-1,2-Dichloroethene	ug/L	21.744		25.000	1.000 U	87	%	70-125	
2-Butanone (MEK)	ug/L	20.722		25.000	5.000 U	83	%	29-139	
Bromochloromethane	ug/L	18.257		25.000	1.000 U	73	%	57-116	
Chloroform	ug/L	23.005		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.616		25.000	1.000 U	94	%	70-127	
1,1-Dichloropropene	ug/L	20.349		25.000	1.000 U	81	%	70-125	
Carbon tetrachloride	ug/L	26.646		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	20.635		25.000	1.000 U	83	%	75-122	
1,2-Dichloroethane	ug/L	24.368		25.000	1.000 U	97	%	67-120	
Trichloroethene	ug/L	21.165		25.000	1.000 U	85	%	70-125	
1,2-Dichloropropane	ug/L	21.382		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	17.586		25.000	1.000 U	70	%	68-116	
Bromodichloromethane	ug/L	25.543		25.000	1.000 U	102	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.566		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.787		25.000	5.000 U	87	%	39-137	
Toluene	ug/L	21.621		25.000	1.000 U	86	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.248		24.000	1.000 U	93	%	68-119	
1,1,2-Trichloroethane	ug/L	22.126		25.000	1.000 U	89	%	63-127	
Tetrachloroethene	ug/L	21.607		25.000	1.000 U	86	%	45-150	
1,3-Dichloropropane	ug/L	22.146		25.000	1.000 U	89	%	72-118	
2-Hexanone	ug/L	19.323		25.000	5.000 U	77	%	36-144	
Dibromochloromethane	ug/L	23.363		25.000	1.000 U	93	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.352		25.000	1.000 U	89	%	62-123	
Chlorobenzene	ug/L	20.052		25.000	1.000 U	80	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.334		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	21.756		25.000	1.000 U	87	%	75-125	
m&p-Xylenes	ug/L	44.221		50.000	2.000 U	88	%	75-123	
o-Xylene	ug/L	22.640		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.077		25.000	1.000 U	88	%	77-128	
Bromoform	ug/L	22.815		25.000	1.000 U	91	%	65-115	
Isopropylbenzene	ug/L	18.819		25.000	1.000 U	75	%	64-119	
Bromobenzene	ug/L	20.358		25.000	1.000 U	81	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	19.548		25.000	1.000 U	78	%	61-122	
1,2,3-Trichloropropane	ug/L	22.284		25.000	1.000 U	89	%	62-124	
n-Propylbenzene	ug/L	20.319		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	20.974		25.000	1.000 U	84	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K04DSA	164740-028		11/04/2005	2211

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.620		25.000	1.000 U	86	%	70-132	
4-Chlorotoluene	ug/L	20.191		25.000	1.000 U	81	%	70-126	
tert-Butylbenzene	ug/L	20.960		25.000	1.000 U	84	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.208		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	20.497		25.000	1.000 U	82	%	70-134	
p-Isopropyltoluene	ug/L	20.227		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.438		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	21.890		25.000	1.000 U	88	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.376		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164740-027		11/04/2005	2147

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164839

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164740-027		11/04/2005	2147

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000 U							
4-Chlorotoluene	ug/L	1.000 U							
tert-Butylbenzene	ug/L	1.000 U							
1,2,4-Trimethylbenzene	ug/L	1.000 U							
sec-Butylbenzene	ug/L	1.000 U							
p-Isopropyltoluene	ug/L	1.000 U							
n-Butylbenzene	ug/L	1.000 U							
1,2-Dibromo-3-chloropropane	ug/L	1.000 U							
1,2,3-Trichlorobenzene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U						
4-Chlorotoluene, Solid	ug/Kg	5.000	U						
tert-Butylbenzene, Solid	ug/Kg	5.000	U						
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U						
sec-Butylbenzene, Solid	ug/Kg	5.000	U						
p-Isopropyltoluene, Solid	ug/Kg	5.000	U						
n-Butylbenzene, Solid	ug/Kg	5.000	U						
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U						
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U						
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000 U							
4-Chlorotoluene, Solid	ug/Kg	5.000 U							
tert-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000 U							
sec-Butylbenzene, Solid	ug/Kg	5.000 U							
p-Isopropyltoluene, Solid	ug/Kg	5.000 U							
n-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000 U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000 U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	44.955		50.000	5.000 U	90	%	39-159	
Chloromethane, Solid	ug/Kg	47.958		50.000	5.000 U	96	%	42-180	
Vinyl chloride, Solid	ug/Kg	49.203		50.000	5.000 U	98	%	60-125	
Bromomethane, Solid	ug/Kg	45.762		50.000	5.000 U	92	%	39-165	
Chloroethane, Solid	ug/Kg	46.926		50.000	5.000 U	94	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	43.927		50.000	5.000 U	88	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	47.450		50.000	5.000 U	95	%	47-141	
Carbon disulfide, Solid	ug/Kg	38.562		50.000	5.000 U	77	%	22-118	
Acetone, Solid	ug/Kg	51.750		50.000	5.000 U	104	%	50-176	
Methylene chloride, Solid	ug/Kg	43.137		50.000	5.000 U	86	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	47.994		50.000	5.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.628		50.000	5.000 U	99	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	48.185		50.000	5.000 U	96	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.427		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	50.475		50.000	5.000 U	101	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	43.045		50.000	5.000 U	86	%	41-166	
Bromochloromethane, Solid	ug/Kg	51.171		50.000	5.000 U	102	%	61-122	
Chloroform, Solid	ug/Kg	49.084		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	49.055		50.000	5.000 U	98	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	48.642		50.000	5.000 U	97	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	48.466		50.000	5.000 U	97	%	67-130	
Benzene, Solid	ug/Kg	48.930		50.000	5.000 U	98	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.881		50.000	5.000 U	96	%	72-134	
Trichloroethene, Solid	ug/Kg	50.051		50.000	5.000 U	100	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.545		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	48.993		50.000	5.000 U	98	%	75-122	
Bromodichloromethane, Solid	ug/Kg	53.743		50.000	5.000 U	107	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	51.010		52.000	5.000 U	98	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.711		50.000	5.000 U	95	%	57-144	
Toluene, Solid	ug/Kg	50.500		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	47.783		48.000	5.000 U	100	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.185		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.253		50.000	5.000 U	97	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	49.895		50.000	5.000 U	100	%	81-123	
2-Hexanone, Solid	ug/Kg	49.785		50.000	5.000 U	100	%	57-148	
Dibromochloromethane, Solid	ug/Kg	50.126		50.000	5.000 U	100	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.784		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.852		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	50.457		50.000	5.000 U	101	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.399		50.000	5.000 U	101	%	73-121	
m&p-Xylenes, Solid	ug/Kg	99.258		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.617		50.000	5.000 U	99	%	75-120	
Styrene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	47.700		50.000	5.000 U	95	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.075		50.000	5.000 U	96	%	59-114	
Bromobenzene, Solid	ug/Kg	53.021		50.000	5.000 U	106	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.797		50.000	5.000 U	100	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.731		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	52.311		50.000	5.000 U	105	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	52.305		50.000	5.000 U	105	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	52.804		50.000	5.000	U	106	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	50.262		50.000	5.000	U	101	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	52.802		50.000	5.000	U	106	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.517		50.000	5.000	U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	51.716		50.000	5.000	U	103	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	49.410		50.000	5.000	U	99	%	65-121	
n-Butylbenzene, Solid	ug/Kg	51.391		50.000	5.000	U	103	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	50.000		50.000	5.000	U	100	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	49.134		50.000	5.000	U	98	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	51.674		50.000	5.000	U	103	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 164952
Analyst...: ges

LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits		F
Dichlorodifluoromethane, Solid	ug/Kg	36.997	37.469	50.000	5.000	U	74	%	39-159		
							1	R	20		
Chloromethane, Solid	ug/Kg	44.422	44.522	50.000	5.000	U	89	%	42-180		
							0	R	20		
Vinyl chloride, Solid	ug/Kg	44.573	44.317	50.000	5.000	U	89	%	60-125		
							1	R	20		
Bromomethane, Solid	ug/Kg	52.968	41.022	50.000	5.000	U	106	%	39-165		
							25	R	20		*
Chloroethane, Solid	ug/Kg	46.353	41.655	50.000	5.000	U	93	%	56-145		
							11	R	20		
Trichlorofluoromethane, Solid	ug/Kg	43.605	41.052	50.000	5.000	U	87	%	57-136		
							6	R	20		
1,1-Dichloroethene, Solid	ug/Kg	40.036	45.402	50.000	5.000	U	80	%	47-141		
							13	R	20		
Carbon disulfide, Solid	ug/Kg	32.353	37.191	50.000	5.000	U	65	%	22-118		
							14	R	20		
Acetone, Solid	ug/Kg	34.990	47.910	50.000	5.000	U	70	%	50-176		
							31	R	20		*
Methylene chloride, Solid	ug/Kg	39.195	44.442	50.000	5.000	U	78	%	67-133		
							13	R	20		
trans-1,2-Dichloroethene, Solid	ug/Kg	41.398	46.745	50.000	5.000	U	83	%	62-138		
							12	R	20		
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.905	51.288	50.000	5.000	U	100	%	69-155		
							3	R	20		
1,1-Dichloroethane, Solid	ug/Kg	42.290	47.511	50.000	5.000	U	85	%	65-134		
							12	R	20		
2,2-Dichloropropane, Solid	ug/Kg	36.563	45.343	50.000	5.000	U	73	%	70-134		
							21	R	20		*
cis-1,2-Dichloroethene, Solid	ug/Kg	44.420	49.264	50.000	5.000	U	89	%	65-125		
							10	R	20		
2-Butanone (MEK), Solid	ug/Kg	35.523	41.529	50.000	5.000	U	71	%	41-166		
							16	R	20		
Bromochloromethane, Solid	ug/Kg	50.548	50.046	50.000	5.000	U	101	%	61-122		
							1	R	20		
Chloroform, Solid	ug/Kg	43.094	48.329	50.000	5.000	U	86	%	73-135		
							11	R	20		
1,1,1-Trichloroethane, Solid	ug/Kg	41.943	47.271	50.000	5.000	U	84	%	71-137		
							12	R	20		
1,1-Dichloropropene, Solid	ug/Kg	39.544	45.965	50.000	5.000	U	79	%	68-134		
							15	R	20		
Carbon tetrachloride, Solid	ug/Kg	40.941	46.925	50.000	5.000	U	82	%	67-130		
							14	R	20		
Benzene, Solid	ug/Kg	43.147	48.182	50.000	5.000	U	86	%	72-125		
							11	R	20		
1,2-Dichloroethane, Solid	ug/Kg	43.498	48.400	50.000	5.000	U	87	%	72-134		
							11	R	20		
Trichloroethene, Solid	ug/Kg	41.508	47.473	50.000	5.000	U	83	%	75-125		
							13	R	20		
1,2-Dichloropropane, Solid	ug/Kg	43.230	48.875	50.000	5.000	U	86	%	76-124		
							12	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	43.068	48.016	50.000	5.000 U	86	%	75-122	
						11	R	20	
Bromodichloromethane, Solid	ug/Kg	46.368	52.358	50.000	5.000 U	93	%	82-131	
						12	R	20	
cis-1,3-Dichloropropene, Solid	ug/Kg	40.836	48.523	52.000	5.000 U	79	%	78-118	
						17	R	20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	45.546	53.239	50.000	5.000 U	91	%	57-144	
						16	R	20	
Toluene, Solid	ug/Kg	42.752	48.252	50.000	5.000 U	86	%	73-121	
						12	R	20	
trans-1,3-Dichloropropene, Solid	ug/Kg	38.191	45.849	48.000	5.000 U	80	%	77-127	
						18	R	20	
1,1,2-Trichloroethane, Solid	ug/Kg	45.638	50.690	50.000	5.000 U	91	%	79-133	
						10	R	20	
Tetrachloroethene, Solid	ug/Kg	36.744	43.643	50.000	5.000 U	73	%	65-123	
						17	R	20	
1,3-Dichloropropane, Solid	ug/Kg	41.983	48.560	50.000	5.000 U	84	%	81-123	
						15	R	20	
2-Hexanone, Solid	ug/Kg	38.860	48.293	50.000	5.000 U	78	%	57-148	
						22	R	20	*
Dibromochloromethane, Solid	ug/Kg	40.357	48.286	50.000	5.000 U	81	%	78-125	
						18	R	20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	44.989	51.867	50.000	5.000 U	90	%	77-123	
						14	R	20	
Chlorobenzene, Solid	ug/Kg	40.679	46.465	50.000	5.000 U	81	%	77-115	
						13	R	20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	42.346	49.888	50.000	5.000 U	85	%	78-126	
						16	R	20	
Ethylbenzene, Solid	ug/Kg	39.794	46.906	50.000	5.000 U	80	%	73-121	
						16	R	20	
m&p-Xylenes, Solid	ug/Kg	81.391	94.702	100.000	10.000 U	81	%	73-122	
						15	R	20	
o-Xylene, Solid	ug/Kg	41.332	47.474	50.000	5.000 U	83	%	75-120	
						14	R	20	
Styrene, Solid	ug/Kg	41.788	48.615	50.000	5.000 U	84	%	76-124	
						15	R	20	
Bromoform, Solid	ug/Kg	37.788	46.045	50.000	5.000 U	76	%	72-132	
						20	R	20	
Isopropylbenzene, Solid	ug/Kg	36.840	44.738	50.000	5.000 U	74	%	59-114	
						19	R	20	
Bromobenzene, Solid	ug/Kg	41.732	48.498	50.000	5.000 U	83	%	75-118	
						15	R	20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	41.698	49.698	50.000	5.000 U	83	%	73-125	
						18	R	20	
1,2,3-Trichloropropane, Solid	ug/Kg	42.385	52.239	50.000	5.000 U	85	%	75-126	
						21	R	20	*
n-Propylbenzene, Solid	ug/Kg	39.833	47.636	50.000	5.000 U	80	%	66-126	
						18	R	20	
2-Chlorotoluene, Solid	ug/Kg	41.362	48.306	50.000	5.000 U	83	%	68-126	
						15	R	20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	41.370	48.289	50.000	5.000 U	83	%	68-125	
						15	R	20	
4-Chlorotoluene, Solid	ug/Kg	39.050	45.883	50.000	5.000 U	78	%	70-123	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	40.550	48.508	50.000	5.000	U	81	%	67-124	
							18	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	41.206	47.575	50.000	5.000	U	82	%	70-126	
							14	R	20	
sec-Butylbenzene, Solid	ug/Kg	39.897	47.498	50.000	5.000	U	80	%	65-129	
							17	R	20	
p-Isopropyltoluene, Solid	ug/Kg	38.432	45.084	50.000	5.000	U	77	%	65-121	
							16	R	20	
n-Butylbenzene, Solid	ug/Kg	38.358	45.211	50.000	5.000	U	77	%	64-133	
							16	R	20	
1,2-Dichlorobenzene, Solid	ug/Kg	40.611	46.985	50.000	5.000	U	81	%	75-117	
							15	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	38.934	50.828	50.000	5.000	U	78	%	61-133	
							27	R	20	*
1,2,3-Trichlorobenzene, Solid	ug/Kg	39.416	47.360	50.000	5.000	U	79	%	65-127	
							18	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSY	164695-017		11/04/2005	0455

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164952

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.469		50.000	5.000 U	75	%	39-159	
Chloromethane, Solid	ug/Kg	44.522		50.000	5.000 U	89	%	42-180	
Vinyl chloride, Solid	ug/Kg	44.317		50.000	5.000 U	89	%	60-125	
Bromomethane, Solid	ug/Kg	41.022		50.000	5.000 U	82	%	39-165	
Chloroethane, Solid	ug/Kg	41.655		50.000	5.000 U	83	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	41.052		50.000	5.000 U	82	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	45.402		50.000	5.000 U	91	%	47-141	
Carbon disulfide, Solid	ug/Kg	37.191		50.000	5.000 U	74	%	22-118	
Acetone, Solid	ug/Kg	47.910		50.000	5.000 U	96	%	50-176	
Methylene chloride, Solid	ug/Kg	44.442		50.000	5.000 U	89	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.745		50.000	5.000 U	93	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	51.288		50.000	5.000 U	103	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	47.511		50.000	5.000 U	95	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.343		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	49.264		50.000	5.000 U	99	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	41.529		50.000	5.000 U	83	%	41-166	
Bromochloromethane, Solid	ug/Kg	50.046		50.000	5.000 U	100	%	61-122	
Chloroform, Solid	ug/Kg	48.329		50.000	5.000 U	97	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	47.271		50.000	5.000 U	95	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	45.965		50.000	5.000 U	92	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	46.925		50.000	5.000 U	94	%	67-130	
Benzene, Solid	ug/Kg	48.182		50.000	5.000 U	96	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	48.400		50.000	5.000 U	97	%	72-134	
Trichloroethene, Solid	ug/Kg	47.473		50.000	5.000 U	95	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	48.875		50.000	5.000 U	98	%	76-124	
Dibromomethane, Solid	ug/Kg	48.016		50.000	5.000 U	96	%	75-122	
Bromodichloromethane, Solid	ug/Kg	52.358		50.000	5.000 U	105	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	48.523		52.000	5.000 U	93	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	53.239		50.000	5.000 U	106	%	57-144	
Toluene, Solid	ug/Kg	48.252		50.000	5.000 U	97	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.849		48.000	5.000 U	96	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	50.690		50.000	5.000 U	101	%	79-133	
Tetrachloroethene, Solid	ug/Kg	43.643		50.000	5.000 U	87	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	48.560		50.000	5.000 U	97	%	81-123	
2-Hexanone, Solid	ug/Kg	48.293		50.000	5.000 U	97	%	57-148	
Dibromochloromethane, Solid	ug/Kg	48.286		50.000	5.000 U	97	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.867		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	46.465		50.000	5.000 U	93	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.888		50.000	5.000 U	100	%	78-126	
Ethylbenzene, Solid	ug/Kg	46.906		50.000	5.000 U	94	%	73-121	
m&p-Xylenes, Solid	ug/Kg	94.702		100.000	10.000 U	95	%	73-122	
o-Xylene, Solid	ug/Kg	47.474		50.000	5.000 U	95	%	75-120	
Styrene, Solid	ug/Kg	48.615		50.000	5.000 U	97	%	76-124	
Bromoform, Solid	ug/Kg	46.045		50.000	5.000 U	92	%	72-132	
Isopropylbenzene, Solid	ug/Kg	44.738		50.000	5.000 U	89	%	59-114	
Bromobenzene, Solid	ug/Kg	48.498		50.000	5.000 U	97	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.698		50.000	5.000 U	99	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.239		50.000	5.000 U	104	%	75-126	
n-Propylbenzene, Solid	ug/Kg	47.636		50.000	5.000 U	95	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	48.306		50.000	5.000 U	97	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSY	164695-017		11/04/2005	0455

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.289		50.000	5.000	U	97	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	45.883		50.000	5.000	U	92	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	48.508		50.000	5.000	U	97	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	47.575		50.000	5.000	U	95	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	47.498		50.000	5.000	U	95	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	45.084		50.000	5.000	U	90	%	65-121	
n-Butylbenzene, Solid	ug/Kg	45.211		50.000	5.000	U	90	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	46.985		50.000	5.000	U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	50.828		50.000	5.000	U	102	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	47.360		50.000	5.000	U	95	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164695-016		11/04/2005	0429

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 164952
Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164695-016		11/04/2005	0429

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	N05ISPK001	163775-002		10/28/2005	1239

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.16		10.00	0.37	U	92	%	80-120	
Barium, Solid	mg/Kg	194.31		200.00	0.11	B	97	%	80-120	
Cadmium, Solid	mg/Kg	4.78		5.00	0.06	U	96	%	80-120	
Chromium, Solid	mg/Kg	19.64		20.00	0.10	U	98	%	80-120	
Lead, Solid	mg/Kg	10.06		10.00	0.25	U	101	%	80-120	
Selenium, Solid	mg/Kg	9.73		10.00	0.45	U	97	%	80-120	
Silver, Solid	mg/Kg	4.59		5.00	0.10	U	92	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163775	163775-001		10/28/2005	1234

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.11	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.10	U							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Test Method.....: Method — Batch.....: 163755 — Analyst...: pfk
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163755-001		%	0.1000 U								10/26/2005	1545

Test Method.....: Method — Batch.....: 164096 — Analyst...: pfk
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164096-001		%	0.1000 U								10/31/2005	0905

Test Method.....: 9045C — Batch.....: 164183 — Analyst...: pmf
Method Description.: pH (Soil) — Equipment Code....: — Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	164183-002	I05JPH7B	pH Units	6.96000		7.01000		0.05000		A	0.20000	10/31/2005	1244
LCDP	164183-003	I05JPH7B	pH Units	6.97000		7.01000		0.04000		A	0.20000	10/31/2005	1247

Test Method.....: 375.4 — Batch.....: 164239 — Analyst...: cls
Method Description.: Sulfate, Turbidimetric — Equipment Code....: SPEC3 — Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	164239-004		mg/L	1.70000	U										10/31/2005	1435
LCS	164239-005	I04KSTSA2	mg/L	18.14000				20.00000			91		%	80-120	10/31/2005	1436
MS	241319-3	I04KSTSA2	mg/Kg	461.86	B			8743.00	17.27	U	106		%	75-125	10/31/2005	1511
MSD	241319-3	I04KSTSA2	mg/Kg	445.03	B	461.86	B	8743.00	17.27	U	102		%	75-125	10/31/2005	1512
											3.8		R	20		

Test Method.....: 7.3.4.2/9034 — Batch.....: 163874 — Analyst...: mtb
Method Description.: Reactivity, Sulfide — Equipment Code....: — Test Code.: REACS
Parameter.....: Reactivity, Sulfide

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163874-001		mg/Kg	8.80 U								10/27/2005	1455
LCS	163874-002	I05HSTSF1A	mg/Kg	182.73		195.20	8.80	U 94		%	25-116	10/27/2005	1457

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 7471A
Method Description.: Mercury (CVAA) Solids
Parameter.....: Mercury

Batch.....: 163957
Equipment Code....: HG3

Analyst...: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	163953-007		mg/Kg	0.01	U									10/27/2005	1517
LCS	163953-008	MO4LSTK010	mg/Kg	0.17			0.17	0.01	U	101		%	80-120	10/27/2005	1519

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHERN TO EXECUTIVE PARK 312 USHER RD Baldwinsville, NY 13027
Phone: 518-877-0310
Fax: 518-877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OM0009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241319

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OM0009-001
Project Location: MCA Barracks Hunter AAF
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	RCRA metals	VOCs 8260B (Encore)	pH	Sulfate	Sulfide*			Additional Analyses / Remarks
								3	40ml	HCl											
								2	40ml	HCl											
								3	40ml	none											
								1	8oz	none											
								1	5oz	none											
								1	4oz	none											
								1	4oz	none											
								1	4oz	none											
1		EB102505	10/25/05	1615	W	G					X										Standard TAT
2		TB102505		0700	↓	↓						X									↓
3		MCA-SOOO2-0-2-1005		0815	S	C								X	X	X	X	X			24 HR TAT
		MCA-GW002-15-1005		0930	W	G					X										Standard TAT
		MCA-GW002MS-1005		1000																	↓
		MCA-GW002MSD-1005		1000																	24 HR TAT
		MCA-GW002-30-1005		1000																	↓
		MCA-GW002-45-1005		1045	↓	↓					↓										Standard TAT
4		MCA-SOOOH-0.5-1.5-1005		1425	S	C								X	X						↓
5		MCA-SODUP104-1005		1049	↓	↓								X	↓						added by SR
6		MCA-SOOO8-3-4-1005	↓	1555	↓	↓								X	↓						
7		MCA-GWDUP106-1005		1543	W		K														

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-25-05	1930		STL	10/26/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
* SULFIDE & SULFIDE IN SAME 4 OZ JAR

Date Received 10/26/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241551

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/07/2005

Linda S Mackley
Signature

11-7-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (31) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241551
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Sample) had spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed.

5. The MB and sample 2 had one surrogate recovery above the QAPP QC limits, but within the in-house QC generated limits. Sample 2 was re-analyzed, having two surrogate recoveries above the QC limits. No further corrective action was required and the original analysis was reported. All other samples had all surrogate recoveries within the QC limits.

6. The samples were prepared and analyzed using a 10-mL purge volume following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

Gary Rynkar
GC/MS Section Manager

11/7/5
Date

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SAMPLE INFORMATION
Date: 11/07/2005

Job Number.: 241551
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241551-1	MCA-GW035-15-1105	Water	11/01/2005	09:30	11/02/2005	09:30
241551-2	MCA-GW035-30-1105	Water	11/01/2005	10:15	11/02/2005	09:30
241551-3	MCA-GW035-45-1105	Water	11/01/2005	11:05	11/02/2005	09:30
241551-4	MCA-GW034-15-1105	Water	11/01/2005	12:55	11/02/2005	09:30
241551-5	MCA-GW034-27-1105	Water	11/01/2005	14:00	11/02/2005	09:30
241551-6	MCA-GW034-45-1105	Water	11/01/2005	14:45	11/02/2005	09:30

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241551

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-15-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241551-1
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Trichloroethene	1.1			0.13	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-15-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241551-1
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-15-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 241551-1
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1121	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-30-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 241551-2
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-30-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 241551-2
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-30-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 241551-2
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1144	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-45-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241551-3
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-45-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241551-3
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW035-45-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241551-3
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1207	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241551 Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-15-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241551-4
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Trichloroethene	0.95	J		0.13	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-15-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241551-4
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-15-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 241551-4
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-27-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 241551-5
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Acetone	7.7			1.4	5.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-27-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 241551-5
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551

Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-27-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 241551-5
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1252	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241551

Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-45-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 241551-6
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date:11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-45-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 241551-6
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW034-45-1105
Date Sampled.....: 11/01/2005
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 241551-6
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164588		11/03/05 1315	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241551 Date: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241551-1 Client ID: MCA-GW035-15-1105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005 1121	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	164588	164586	11/03/2005 1121	1.00000

Lab ID: 241551-2 Client ID: MCA-GW035-30-1105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005 1144	
5030B	5030 10 mL Purge Prep	2	164660		11/04/2005 0143	
8260B	Volatile Organics	1	164588	164586	11/03/2005 1144	1.00000

Lab ID: 241551-3 Client ID: MCA-GW035-45-1105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005 1207	
8260B	Volatile Organics	1	164588	164586	11/03/2005 1207	1.00000

Lab ID: 241551-4 Client ID: MCA-GW034-15-1105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005 1230	
8260B	Volatile Organics	1	164588	164586	11/03/2005 1230	1.00000

Lab ID: 241551-5 Client ID: MCA-GW034-27-1105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005 1252	
8260B	Volatile Organics	1	164588	164586	11/03/2005 1252	1.00000

Lab ID: 241551-6 Client ID: MCA-GW034-45-1105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164586		11/03/2005 1315	
8260B	Volatile Organics	1	164588	164586	11/03/2005 1315	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241551 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164586
Method Code...: 8260B Batch(s).....: 164588

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	113	102	109	105
MB			11/03/2005	124*	95	114	104
241551- 1		MCA-GW035-15-1105	11/03/2005	120	93	106	105
241551- 2		MCA-GW035-30-1105	11/03/2005	124*	92	107	104
241551- 3		MCA-GW035-45-1105	11/03/2005	117	93	105	101
241551- 4		MCA-GW034-15-1105	11/03/2005	119	93	106	104
241551- 5		MCA-GW034-27-1105	11/03/2005	116	92	105	102
241551- 6		MCA-GW034-45-1105	11/03/2005	119	90	105	101

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241551 — Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164586-012		11/03/2005	0950

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164588

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.550		25.000	1.000 U	46	%	24-171	
Chloromethane	ug/L	20.152		25.000	1.000 U	81	%	31-182	
Vinyl chloride	ug/L	22.036		25.000	1.000 U	88	%	50-145	
Bromomethane	ug/L	26.207		25.000	1.000 U	105	%	31-188	
Chloroethane	ug/L	26.065		25.000	1.000 U	104	%	58-148	
Trichlorofluoromethane	ug/L	20.065		25.000	1.000 U	80	%	54-142	
1,1-Dichloroethene	ug/L	20.684		25.000	1.000 U	83	%	51-136	
Carbon disulfide	ug/L	18.889		25.000	5.000 U	76	%	21-111	
Acetone	ug/L	38.154		25.000	5.000 U	153	%	14-177	
Methylene chloride	ug/L	23.090		25.000	1.000 U	92	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.428		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.031		25.000	1.000 U	100	%	55-142	
1,1-Dichloroethane	ug/L	23.224		25.000	1.000 U	93	%	70-124	
2,2-Dichloropropane	ug/L	26.993		25.000	1.000 U	108	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.584		25.000	1.000 U	94	%	70-125	
2-Butanone (MEK)	ug/L	24.630		25.000	5.000 U	99	%	29-139	
Bromochloromethane	ug/L	25.558		25.000	1.000 U	102	%	57-116	
Chloroform	ug/L	25.987		25.000	1.000 U	104	%	75-122	
1,1,1-Trichloroethane	ug/L	26.916		25.000	1.000 U	108	%	70-127	
1,1-Dichloropropene	ug/L	21.595		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	26.529		25.000	1.000 U	106	%	64-132	
Benzene	ug/L	22.853		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	25.970		25.000	1.000 U	104	%	67-120	
Trichloroethene	ug/L	23.998		25.000	1.000 U	96	%	70-125	
1,2-Dichloropropane	ug/L	21.789		25.000	1.000 U	87	%	76-116	
Dibromomethane	ug/L	23.957		25.000	1.000 U	96	%	68-116	
Bromodichloromethane	ug/L	28.153		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.843		26.000	1.000 U	96	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	20.625		25.000	5.000 U	83	%	39-137	
Toluene	ug/L	24.569		25.000	1.000 U	98	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.664		24.000	1.000 U	99	%	68-119	
1,1,2-Trichloroethane	ug/L	24.632		25.000	1.000 U	99	%	63-127	
Tetrachloroethene	ug/L	24.149		25.000	1.000 U	97	%	45-150	
1,3-Dichloropropane	ug/L	23.116		25.000	1.000 U	92	%	72-118	
2-Hexanone	ug/L	20.208		25.000	5.000 U	81	%	36-144	
Dibromochloromethane	ug/L	26.952		25.000	1.000 U	108	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	23.576		25.000	1.000 U	94	%	62-123	
Chlorobenzene	ug/L	23.270		25.000	1.000 U	93	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	27.108		25.000	1.000 U	108	%	77-120	
Ethylbenzene	ug/L	23.297		25.000	1.000 U	93	%	75-125	
m&p-Xylenes	ug/L	50.647		50.000	2.000 U	101	%	75-123	
o-Xylene	ug/L	25.497		25.000	1.000 U	102	%	76-121	
Styrene	ug/L	22.222		25.000	1.000 U	89	%	77-128	
Bromoform	ug/L	27.150		25.000	1.000 U	109	%	65-115	
Isopropylbenzene	ug/L	20.869		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	24.879		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.381		25.000	1.000 U	90	%	61-122	
1,2,3-Trichloropropane	ug/L	24.081		25.000	1.000 U	96	%	62-124	
n-Propylbenzene	ug/L	20.305		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	24.536		25.000	1.000 U	98	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241551 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164586-012		11/03/2005	0950

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.506		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	24.617		25.000	1.000 U	98	%	70-126	
tert-Butylbenzene	ug/L	21.366		25.000	1.000 U	85	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.379		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	19.000		25.000	1.000 U	76	%	70-134	
p-Isopropyltoluene	ug/L	20.345		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.029		25.000	1.000 U	80	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.094		25.000	1.000 U	76	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.529		25.000	1.000 U	98	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241551 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164586-011		11/03/2005	0927

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164588

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241551 Report Date.: 11/07/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164586-011		11/03/2005	0927

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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Report To:
Contact: ERIC EVANS
Company: HGL
Address: 313 WASHERS Rd
BALLSTON LAKE, NY 12019
Phone: 518-877-0396
Fax: 518-877-0414
E-Mail: EEVANS@HGL.com

Bill To:
Contact:
Company:
Address: SAME
Phone:
Fax:
PO#: 0M4009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241551

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 2.3

Sampler Name: MIKE Jackson
Signature:
Project Name: GW Pump Deliverables
Project Number: 0M4009-001
Project Location: MCA Barracks - HUNTSVILLE
Lab PM: Linda Mackey
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Refrg #														
# / Cont.	3	2												
Volume	40ml	40ml												
Preserv	HCl	HCl												

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
1		MCA-GW035-15-110505	11-1-05	0930	W	G	X		24 HR TAT
2		MCA-GW035-30-110505		1015					
3		MCA-GW035-45-110505		1105					
4		MCA-GW034-15-110505		1255					
5		MCA-GW034-27-110505		1400			↓		
		TB110105		1845				X	STANDARD TAT
		EB110105		1830			X		
6		MCA-GW034-45-110505		1445	↓	↓	↓		24 HR TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	11-1-05	1850		STL	11/2/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 11 / 2 / 05
Courier: FX **Hand Delivered** ___
Bill of Lading see attached

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STL-8208 (0600)

SEVERN TRENT STL

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241370

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/28/2005

Linda S Mackley
Signature

10-28-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (19) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241370
VOA DATA:

1. All samples were analyzed within the method required hold-time. The LCD for batch 163927 was analyzed 8 minutes past the 12 hour tune time. All other samples were analyzed within the 12 hour tune time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Sample/Duplicate) had each had one spike recovery below the QC limit. The LCS/LCD had all other spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. Sample -1 required a 10x secondary dilution.

Gary Rynkar
GC/MS Section Manager

10/19/05
Date

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SAMPLE INFORMATION
Date: 10/28/2005

Job Number.: 241370
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241370-1	MCA-GW010-13-1005	Water	10/26/2005	14:30	10/27/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241370 Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW010-13-1005
Date Sampled.....: 10/26/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241370-1
Date Received.....: 10/27/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	cis-1,2-Dichloroethene	61			0.20	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Chloroform	0.96	J		0.14	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Trichloroethene	290			1.3	10	10.0000	ug/L	163951	D1	10/27/05 1955	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241370

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWG1C-13-1005
Date Sampled.....: 10/26/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241370-1
Date Received.....: 10/27/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241370

Date:10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW010-13-1005
Date Sampled.....: 10/26/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241370-1
Date Received.....: 10/27/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163951		10/27/05 1932	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241370

Date: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241370-1 Client ID: MCA-GW010-13-1005 Date Rcvd: 10/27/2005 Sample Date: 10/26/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163927		10/27/2005	1932	
5030B	5030 10 mL Purge Prep	2	163927		10/27/2005	1955	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163951	163927	10/27/2005	1932	1.00000
8260B	Volatile Organics	1	163951	163927	10/27/2005	1955	10.0000

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 241370 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163927
Method Code...: 8260B Batch(s).....: 163951

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	93	98	103	100
LCS			10/27/2005	108	102	105	101
MB			10/27/2005	108	91	108	96
241370- 1		MCA-GW010-13-1005	10/27/2005	113	91	98	97
241370 1	D1	MCA-GW010-13-1005	10/27/2005	114	90	103	98

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241370

Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163927-024		10/28/2005	0005

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163951

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	3.873	3.941	25.000	0.706	J	15	%	24-171	*
							2	R	20	
Chloromethane	ug/L	11.972	12.385	25.000	1.000	U	48	%	31-182	
							3	R	20	
Vinyl chloride	ug/L	14.954	15.196	25.000	1.000	U	60	%	50-145	
							2	R	20	
Bromomethane	ug/L	18.656	22.176	25.000	1.000	U	75	%	31-188	
							17	R	20	
Chloroethane	ug/L	20.769	20.516	25.000	1.000	U	83	%	58-148	
							1	R	20	
Trichlorofluoromethane	ug/L	15.312	16.632	25.000	1.000	U	61	%	54-142	
							8	R	20	
1,1-Dichloroethene	ug/L	19.037	18.343	25.000	1.000	U	76	%	51-136	
							4	R	20	
Carbon disulfide	ug/L	16.429	16.196	25.000	5.000	U	66	%	21-111	
							1	R	20	
Acetone	ug/L	26.336	32.438	25.000	5.000	U	105	%	14-177	
							21	R	20	*
Methylene chloride	ug/L	22.898	22.737	25.000	1.000	U	92	%	64-127	
							1	R	20	
trans-1,2-Dichloroethene	ug/L	22.309	21.521	25.000	1.000	U	89	%	62-138	
							4	R	20	
Methyl tert-butyl-ether (MTBE)	ug/L	24.890	25.574	25.000	1.000	U	100	%	55-142	
							3	R	20	
1,1-Dichloroethane	ug/L	22.792	22.325	25.000	1.000	U	91	%	70-124	
							2	R	20	
2,2-Dichloropropane	ug/L	21.659	24.504	25.000	1.000	U	87	%	68-127	
							12	R	20	
cis-1,2-Dichloroethene	ug/L	24.408	23.354	25.000	1.000	U	98	%	70-125	
							4	R	20	
2-Butanone (MEK)	ug/L	24.889	27.583	25.000	5.000	U	100	%	29-139	
							10	R	20	
Bromochloromethane	ug/L	24.478	24.518	25.000	1.000	U	98	%	57-116	
							0	R	20	
Chloroform	ug/L	23.807	24.312	25.000	1.000	U	95	%	75-122	
							2	R	20	
1,1,1-Trichloroethane	ug/L	22.819	23.844	25.000	1.000	U	91	%	70-127	
							4	R	20	
1,1-Dichloropropene	ug/L	21.242	20.865	25.000	1.000	U	85	%	70-125	
							2	R	20	
Carbon tetrachloride	ug/L	19.841	21.932	25.000	1.000	U	79	%	64-132	
							10	R	20	
Benzene	ug/L	21.754	21.619	25.000	1.000	U	87	%	75-122	
							1	R	20	
1,2-Dichloroethane	ug/L	20.728	23.867	25.000	1.000	U	83	%	67-120	
							14	R	20	
Trichloroethene	ug/L	21.523	22.021	25.000	1.000	U	86	%	70-125	
							2	R	20	
1,2-Dichloropropane	ug/L	22.111	22.210	25.000	1.000	U	88	%	76-116	
							0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241370 Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163927-024		10/28/2005 0005

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.754	23.692	25.000	1.000 U	87 9	% R	68-116 20	
Bromodichloromethane	ug/L	24.128	26.168	25.000	1.000 U	97 8	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	23.258	25.204	26.000	1.000 U	89 8	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.378	24.502	25.000	5.000 U	94 5	% R	39-137 20	
Toluene	ug/L	22.995	23.076	25.000	1.000 U	92 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	21.048	23.325	24.000	1.000 U	88 10	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.934	26.181	25.000	1.000 U	100 5	% R	63-127 20	
Tetrachloroethene	ug/L	20.541	21.231	25.000	1.000 U	82 3	% R	45-150 20	
1,3-Dichloropropane	ug/L	22.431	23.544	25.000	1.000 U	90 5	% R	72-118 20	
2-Hexanone	ug/L	21.540	22.278	25.000	5.000 U	86 3	% R	36-144 20	
Dibromochloromethane	ug/L	23.219	25.150	25.000	1.000 U	93 8	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	22.815	24.719	25.000	1.000 U	91 8	% R	62-123 20	
Chlorobenzene	ug/L	21.770	21.829	25.000	1.000 U	87 0	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.611	24.857	25.000	1.000 U	94 5	% R	77-120 20	
Ethylbenzene	ug/L	22.366	22.458	25.000	1.000 U	89 0	% R	75-125 20	
m&p-Xylenes	ug/L	46.080	47.270	50.000	2.000 U	92 3	% R	75-123 20	
o-Xylene	ug/L	23.728	24.062	25.000	1.000 U	95 1	% R	76-121 20	
Styrene	ug/L	22.078	22.251	25.000	1.000 U	88 1	% R	77-128 20	
Bromoform	ug/L	23.585	26.377	25.000	1.000 U	94 11	% R	65-115 20	
Isopropylbenzene	ug/L	21.029	19.547	25.000	1.000 U	84 7	% R	64-119 20	
Bromobenzene	ug/L	23.888	23.291	25.000	1.000 U	96 3	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	22.778	22.330	25.000	1.000 U	91 2	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	23.445	24.612	25.000	1.000 U	94 5	% R	62-124 20	
n-Propylbenzene	ug/L	20.838	19.671	25.000	1.000 U	83 6	% R	69-132 20	
2-Chlorotoluene	ug/L	23.767	22.914	25.000	1.000 U	95 4	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	21.816	21.243	25.000	1.000 U	87 3	% R	70-132 20	
4-Chlorotoluene	ug/L	22.935	22.603	25.000	1.000 U	92 1	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241370

QUALITY CONTROL RESULTS

Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT.: OMA009-001 ATTN.: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163927-024		10/28/2005	0005

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.433	19.950	25.000	1.000	U	86 7	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	21.945	21.523	25.000	1.000	U	88 2	% R	71-131 20	
sec-Butylbenzene	ug/L	20.400	19.000	25.000	1.000	U	82 7	% R	70-134 20	
p-Isopropyltoluene	ug/L	19.857	19.332	25.000	1.000	U	79 3	% R	66-150 20	
n-Butylbenzene	ug/L	19.716	19.286	25.000	1.000	U	79 2	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	21.822	20.607	25.000	1.000	U	87 6	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	23.263	23.798	25.000	1.000	U	93 2	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241370 — Report Date.: 10/28/2005

CUSTOMER: HydroGeologic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163927-023		10/27/2005	1414

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	3.941		25.000	0.706 J	16	%	24-171	*
Chloromethane	ug/L	12.385		25.000	1.000 U	50	%	31-182	
Vinyl chloride	ug/L	15.196		25.000	1.000 U	61	%	50-145	
Bromomethane	ug/L	22.176		25.000	1.000 U	89	%	31-188	
Chloroethane	ug/L	20.516		25.000	1.000 U	82	%	58-148	
Trichlorofluoromethane	ug/L	16.632		25.000	1.000 U	67	%	54-142	
1,1-Dichloroethene	ug/L	18.343		25.000	1.000 U	73	%	51-136	
Carbon disulfide	ug/L	16.196		25.000	5.000 U	65	%	21-111	
Acetone	ug/L	32.438		25.000	5.000 U	130	%	14-177	
Methylene chloride	ug/L	22.737		25.000	1.000 U	91	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.521		25.000	1.000 U	86	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.574		25.000	1.000 U	102	%	55-142	
1,1-Dichloroethane	ug/L	22.325		25.000	1.000 U	89	%	70-124	
2,2-Dichloropropane	ug/L	24.504		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.354		25.000	1.000 U	93	%	70-125	
2-Butanone (MEK)	ug/L	27.583		25.000	5.000 U	110	%	29-139	
Bromochloromethane	ug/L	24.518		25.000	1.000 U	98	%	57-116	
Chloroform	ug/L	24.312		25.000	1.000 U	97	%	75-122	
1,1,1-Trichloroethane	ug/L	23.844		25.000	1.000 U	95	%	70-127	
1,1-Dichloropropene	ug/L	20.865		25.000	1.000 U	83	%	70-125	
Carbon tetrachloride	ug/L	21.932		25.000	1.000 U	88	%	64-132	
Benzene	ug/L	21.619		25.000	1.000 U	86	%	75-122	
1,2-Dichloroethane	ug/L	23.867		25.000	1.000 U	95	%	67-120	
Trichloroethene	ug/L	22.021		25.000	1.000 U	88	%	70-125	
1,2-Dichloropropane	ug/L	22.210		25.000	1.000 U	89	%	76-116	
Dibromomethane	ug/L	23.692		25.000	1.000 U	95	%	68-116	
Bromodichloromethane	ug/L	26.168		25.000	1.000 U	105	%	75-125	
cis-1,3-Dichloropropene	ug/L	25.204		26.000	1.000 U	97	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.502		25.000	5.000 U	98	%	39-137	
Toluene	ug/L	23.076		25.000	1.000 U	92	%	77-120	
trans-1,3 Dichloropropene	ug/L	23.325		24.000	1.000 U	97	%	68-119	
1,1,2-Trichloroethane	ug/L	26.181		25.000	1.000 U	105	%	63-127	
Tetrachloroethene	ug/L	21.231		25.000	1.000 U	85	%	45-150	
1,3-Dichloropropane	ug/L	23.544		25.000	1.000 U	94	%	72-118	
2-Hexanone	ug/L	22.278		25.000	5.000 U	89	%	36-144	
Dibromochloromethane	ug/L	25.150		25.000	1.000 U	101	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.719		25.000	1.000 U	99	%	62-123	
Chlorobenzene	ug/L	21.829		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.857		25.000	1.000 U	99	%	77-120	
Ethylbenzene	ug/L	22.458		25.000	1.000 U	90	%	75-125	
m&p-Xylenes	ug/L	47.270		50.000	2.000 U	95	%	75-123	
o-Xylene	ug/L	24.062		25.000	1.000 U	96	%	76-121	
Styrene	ug/L	22.251		25.000	1.000 U	89	%	77-128	
Bromoform	ug/L	26.377		25.000	1.000 U	106	%	65-115	
Isopropylbenzene	ug/L	19.547		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	23.291		25.000	1.000 U	93	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.330		25.000	1.000 U	89	%	61-122	
1,2,3-Trichloropropane	ug/L	24.612		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	19.671		25.000	1.000 U	79	%	69-132	
2-Chlorotoluene	ug/L	22.914		25.000	1.000 U	92	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241370

Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163927-023		10/27/2005	1414

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.243		25.000	1.000 U	85	%	70-132	
4-Chlorotoluene	ug/L	22.603		25.000	1.000 U	90	%	70-126	
tert-Butylbenzene	ug/L	19.950		25.000	1.000 U	80	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.523		25.000	1.000 U	86	%	71-131	
sec-Butylbenzene	ug/L	19.000		25.000	1.000 U	76	%	70-134	
p-Isopropyltoluene	ug/L	19.332		25.000	1.000 U	77	%	66-130	
n-Butylbenzene	ug/L	19.286		25.000	1.000 U	77	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.607		25.000	1.000 U	82	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.798		25.000	1.000 U	95	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241370 — Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163927-022		10/27/2005	1351

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	0.706	J						
Chloromethane	ug/L	1.000	U						
Vinyl chloride	ug/L	1.000	U						
Bromomethane	ug/L	1.000	U						
Chloroethane	ug/L	1.000	U						
Trichlorofluoromethane	ug/L	1.000	U						
1,1-Dichloroethene	ug/L	1.000	U						
Carbon disulfide	ug/L	5.000	U						
Acetone	ug/L	5.000	U						
Methylene chloride	ug/L	1.000	U						
trans-1,2-Dichloroethene	ug/L	1.000	U						
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U						
1,1-Dichloroethane	ug/L	1.000	U						
2,2-Dichloropropane	ug/L	1.000	U						
cis-1,2-Dichloroethene	ug/L	1.000	U						
2-Butanone (MEK)	ug/L	5.000	U						
Bromochloromethane	ug/L	1.000	U						
Chloroform	ug/L	1.000	U						
1,1,1-Trichloroethane	ug/L	1.000	U						
1,1-Dichloropropene	ug/L	1.000	U						
Carbon tetrachloride	ug/L	1.000	U						
Benzene	ug/L	1.000	U						
1,2-Dichloroethane	ug/L	1.000	U						
Trichloroethene	ug/L	1.000	U						
1,2-Dichloropropane	ug/L	1.000	U						
Dibromomethane	ug/L	1.000	U						
Bromodichloromethane	ug/L	1.000	U						
cis-1,3-Dichloropropene	ug/L	1.000	U						
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U						
Toluene	ug/L	1.000	U						
trans-1,3-Dichloropropene	ug/L	1.000	U						
1,1,2-Trichloroethane	ug/L	1.000	U						
Tetrachloroethene	ug/L	1.000	U						
1,3-Dichloropropane	ug/L	1.000	U						
2-Hexanone	ug/L	5.000	U						
Dibromochloromethane	ug/L	1.000	U						
1,2-Dibromoethane (EDB)	ug/L	1.000	U						
Chlorobenzene	ug/L	1.000	U						
1,1,1,2-Tetrachloroethane	ug/L	1.000	U						
Ethylbenzene	ug/L	1.000	U						
m&p-Xylenes	ug/L	2.000	U						
o-Xylene	ug/L	1.000	U						
Styrene	ug/L	1.000	U						
Bromoform	ug/L	1.000	U						
Isopropylbenzene	ug/L	1.000	U						
Bromobenzene	ug/L	1.000	U						
1,1,2,2-Tetrachloroethane	ug/L	1.000	U						
1,2,3-Trichloropropane	ug/L	1.000	U						
n-Propylbenzene	ug/L	1.000	U						
2-Chlorotoluene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241370

QUALITY CONTROL RESULTS

Report Date.: 10/28/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163927-022		10/27/2005	1351

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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University Park, IL 60466
Phone: 708-534-5200
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Report To:

Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PK
Fm 313 USHERS RD
BALLSTON LAKE, NY 12019
Phone: (518) 877-6398
Fax: (518) 877-0414
E-Mail: EEVANS@HGL.com

Bill To:

Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: OMA009-00 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241370

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 4.3

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: MIKE JACKSON
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009
Project Location: MCA Barracks - Homewood
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Mackley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
		Refrg #							
		# / Cont.	3	2					
		Volume	40ml	40ml					
		Preserv	None	HCl					
1		MCA-GWOIC-13-1005	10-26-05	1430	W	G	X		24 HR TAT
		TB102605	↓	1304	W	G		X	STANDARD
		MCA-SOURCEWATER-1005	↓	1700	W	G	X		↓ ↓

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGC	10-26-05	1845		STL	10/27/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 27 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL®

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University Park, IL 60466

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241656

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/10/2005

Linda S Mackley
Signature

11-10-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (34) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241656
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. Methylene Chloride was detected in the Method Blank for batch 165080. Methylene Chloride was flagged properly on the associated samples. All of the other compounds in the Method Blanks were below reporting limits.

3. The LCS (Laboratory Control Sample) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed.

5. All samples had all surrogate recoveries within the QC limits.

6. The samples were prepared and analyzed using a 10-mL purge volume following SW846 Methods 5030, 8000 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10mL purge volume. A secondary dilution was required on sample 1 for target compounds. The results and reporting limits have been adjusted to reflect the dilution performed.

John Nagel
GC/MS Volatiles Dept.

11-10-05
Date

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SAMPLE INFORMATION
Date: 11/10/2005

Job Number.: 241656
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241656-1	MCA-GW040-15-1105	Water	11/03/2005	11:05	11/04/2005	09:30
241656-2	MCA-GW040-30-1105	Water	11/03/2005	11:55	11/04/2005	09:30
241656-3	MCA-GW040-45-1105	Water	11/03/2005	13:55	11/04/2005	09:30
241656-4	MCA-GW036-15-1105	Water	11/03/2005	15:05	11/04/2005	09:30
241656-5	MCA-GW036-30-1105	Water	11/03/2005	15:45	11/04/2005	09:30
241656-6	MCA-GW036-45-1105	Water	11/03/2005	16:50	11/04/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-15-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241656-1
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.4			0.12	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	cis-1,2-Dichloroethene	11			0.20	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Trichloroethene	110			1.3	10	10.0000	ug/L	165204	D1	11/09/05 1632	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656

Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-15-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241656-1
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Tetrachloroethene	1.0			0.18	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	m&p-Xylenes	1.6	J		0.36	2.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,2,4-Trimethylbenzene	1.0			0.26	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656

Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-15-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 241656-1
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165204		11/09/05 1610	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656

Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-30-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241656-2
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	cis-1,2-Dichloroethene	1.8			0.20	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Trichloroethene	2.7			0.13	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656 Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-30-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241656-2
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656 Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-30-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 11:55
Sample Matrix.....: Water

Laboratory Sample ID: 241656-2
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165204		11/09/05 1655	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656 Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-45-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241656-3
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	cis-1,2-Dichloroethene	7.5			0.20	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Trichloroethene	26			0.13	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656 Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW040-45-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241656-3
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-GW040-45-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 241656-3
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165204		11/09/05 1718	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656 Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-15-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241656-4
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Carbon disulfide	8.5			0.15	5.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Acetone	5.5			1.4	5.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	2-Butanone (MEK)	18			1.0	5.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656 Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-15-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241656-4
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-15-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 15:05
Sample Matrix.....: Water

Laboratory Sample ID: 241656-4
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165204		11/09/05 1741	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656 Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-30-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241656-5
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1,1-Trichloroethane	1.0	U	a	0.17	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Trichloroethene	1.0	U	a	0.13	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656

Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-30-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241656-5
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Chlorobenzene	1.0	U	a	0.15	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-30-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241656-5
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165204		11/09/05 1803	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-45-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 16:50
Sample Matrix.....: Water

Laboratory Sample ID: 241656-6
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Acetone	15			1.4	5.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	2-Butanone (MEK)	27			1.0	5.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-45-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 16:50
Sample Matrix.....: Water

Laboratory Sample ID: 241656-6
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241656

Date:11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW036-45-1105
Date Sampled.....: 11/03/2005
Time Sampled.....: 16:50
Sample Matrix.....: Water

Laboratory Sample ID: 241656-6
Date Received.....: 11/04/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165204		11/09/05 1826	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241656 Date: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241656-1 Client ID: MCA-GW040-15-1105 Date Recvd: 11/04/2005 Sample Date: 11/03/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0311	
5030B	5030 10 mL Purge Prep	2	165080		11/09/2005 1632	
5030B	5030 10 mL Purge Prep	3	165080		11/09/2005 1610	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	165204	165080	11/09/2005 1610	1.00000
8260B	Volatile Organics	1	165204	165080	11/09/2005 1632	10.0000

Lab ID: 241656-2 Client ID: MCA-GW040-30-1105 Date Recvd: 11/04/2005 Sample Date: 11/03/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0333	
5030B	5030 10 mL Purge Prep	2	165080		11/09/2005 1655	
8260B	Volatile Organics	1	165204	165080	11/09/2005 1655	1.00000

Lab ID: 241656-3 Client ID: MCA-GW040-45-1105 Date Recvd: 11/04/2005 Sample Date: 11/03/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0356	
5030B	5030 10 mL Purge Prep	2	165080		11/09/2005 1718	
8260B	Volatile Organics	1	165204	165080	11/09/2005 1718	1.00000

Lab ID: 241656-4 Client ID: MCA-GW036-15-1105 Date Recvd: 11/04/2005 Sample Date: 11/03/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0419	
5030B	5030 10 mL Purge Prep	2	165080		11/09/2005 1741	
8260B	Volatile Organics	1	165204	165080	11/09/2005 1741	1.00000

Lab ID: 241656-5 Client ID: MCA-GW036-30-1105 Date Recvd: 11/04/2005 Sample Date: 11/03/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0441	
5030B	5030 10 mL Purge Prep	2	165080		11/09/2005 1803	
8260B	Volatile Organics	1	165204	165080	11/09/2005 1803	1.00000

Lab ID: 241656-6 Client ID: MCA-GW036-45-1105 Date Recvd: 11/04/2005 Sample Date: 11/03/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164819		11/07/2005 0504	
5030B	5030 10 mL Purge Prep	2	165080		11/09/2005 1826	
8260B	Volatile Organics	1	165204	165080	11/09/2005 1826	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241656 Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 165080
Method Code...: 8260B Batch(s).....: 165204

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/09/2005	86	93	95	97
LCS			11/09/2005	88	94	95	98
MB			11/09/2005	92	87	96	98
241656- 1		MCA-GW040-15-1105	11/09/2005	80	90	90	92
241656- 1	D1	MCA-GW040-15-1105	11/09/2005	81	89	90	98
241656- 2		MCA-GW040-30-1105	11/09/2005	81	89	93	93
241656- 3		MCA-GW040-45-1105	11/09/2005	81	90	92	92
241656- 4		MCA-GW036-15-1105	11/09/2005	84	87	96	96
241656- 5		MCA-GW036-30-1105	11/09/2005	84	90	90	96
241656- 6		MCA-GW036-45-1105	11/09/2005	85	89	91	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241656 Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K09D5A	165080-028		11/09/2005	1957

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 165204

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	17.798	18.449	25.000	1.000 U	71 4	% R	24-171 20	
Chloromethane	ug/L	17.014	16.347	25.000	1.000 U	68 4	% R	31-182 20	
Vinyl chloride	ug/L	18.631	20.120	25.000	1.000 U	75 8	% R	50-145 20	
Bromomethane	ug/L	11.558	18.369	25.000	1.000 U	46 46	% R	31-188 20	*
Chloroethane	ug/L	19.274	20.933	25.000	1.000 U	77 8	% R	58-148 20	
Trichlorofluoromethane	ug/L	18.104	20.674	25.000	1.000 U	72 13	% R	54-142 20	
1,1-Dichloroethene	ug/L	20.169	20.331	25.000	1.000 U	81 1	% R	51-136 20	
Carbon disulfide	ug/L	16.263	16.563	25.000	5.000 U	65 2	% R	21-111 20	
Acetone	ug/L	22.012	26.348	25.000	5.000 U	88 18	% R	14-177 20	
Methylene chloride	ug/L	21.217	24.821	25.000	5.461	85 16	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	20.365	21.298	25.000	1.000 U	81 4	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	22.421	22.155	25.000	1.000 U	90 1	% R	55-142 20	
1,1-Dichloroethane	ug/L	20.904	21.099	25.000	1.000 U	84 1	% R	70-124 20	
2,2-Dichloropropane	ug/L	17.275	20.789	25.000	1.000 U	69 18	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	22.159	21.960	25.000	1.000 U	89 1	% R	70-125 20	
2-Butanone (MEK)	ug/L	24.247	25.615	25.000	5.000 U	97 5	% R	29-139 20	
Bromochloromethane	ug/L	22.698	21.904	25.000	1.000 U	91 4	% R	57-116 20	
Chloroform	ug/L	20.595	21.019	25.000	1.000 U	82 2	% R	75-122 20	
1,1,1-Trichloroethane	ug/L	19.693	20.636	25.000	1.000 U	79 5	% R	70-127 20	
1,1-Dichloropropene	ug/L	19.594	20.341	25.000	1.000 U	78 4	% R	70-125 20	
Carbon tetrachloride	ug/L	18.776	20.352	25.000	1.000 U	75 8	% R	64-132 20	
Benzene	ug/L	21.501	21.478	25.000	1.000 U	86 0	% R	75-122 20	
1,2-Dichloroethane	ug/L	18.515	19.438	25.000	1.000 U	74 5	% R	67-120 20	
Trichloroethene	ug/L	20.769	21.461	25.000	1.000 U	83 3	% R	70-125 20	
1,2-Dichloropropane	ug/L	20.654	21.230	25.000	1.000 U	83 3	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241656 Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K09DSA	165080-028		11/09/2005	1957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	20.211	20.841	25.000	1.000 U	81 3	% R	68-116 20	
Bromodichloromethane	ug/L	21.428	22.499	25.000	1.000 U	86 5	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	20.828	22.739	26.000	1.000 U	80 9	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.400	22.733	25.000	5.000 U	90 1	% R	39-137 20	
Toluene	ug/L	23.472	23.856	25.000	1.000 U	94 2	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	18.325	20.489	24.000	1.000 U	76 11	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	23.236	22.443	25.000	1.000 U	93 3	% R	63-127 20	
Tetrachloroethene	ug/L	20.920	22.165	25.000	1.000 U	84 6	% R	45-150 20	
1,3-Dichloropropane	ug/L	21.636	22.403	25.000	1.000 U	87 3	% R	72-118 20	
2-Hexanone	ug/L	21.410	22.673	25.000	5.000 U	86 6	% R	36-144 20	
Dibromochloromethane	ug/L	20.751	21.729	25.000	1.000 U	83 5	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	21.017	22.003	25.000	1.000 U	84 5	% R	62-123 20	
Chlorobenzene	ug/L	21.078	21.372	25.000	1.000 U	84 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	21.443	21.982	25.000	1.000 U	86 2	% R	77-120 20	
Ethylbenzene	ug/L	22.150	22.780	25.000	1.000 U	89 3	% R	75-125 20	
m&p-Xylenes	ug/L	42.710	44.528	50.000	2.000 U	85 4	% R	75-123 20	
o-Xylene	ug/L	22.074	22.826	25.000	1.000 U	88 3	% R	76-121 20	
Styrene	ug/L	22.532	22.927	25.000	1.000 U	90 2	% R	77-128 20	
Bromoform	ug/L	20.769	21.462	25.000	1.000 U	83 3	% R	65-115 20	
Isopropylbenzene	ug/L	20.453	20.767	25.000	1.000 U	82 2	% R	64-119 20	
Bromobenzene	ug/L	22.338	22.827	25.000	1.000 U	89 2	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	23.234	22.104	25.000	1.000 U	93 5	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	20.842	21.681	25.000	1.000 U	83 4	% R	62-124 20	
n-Propylbenzene	ug/L	22.570	23.270	25.000	1.000 U	90 3	% R	69-132 20	
2-Chlorotoluene	ug/L	21.975	22.794	25.000	1.000 U	88 4	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	23.316	24.275	25.000	1.000 U	93 4	% R	70-132 20	
4-Chlorotoluene	ug/L	20.891	21.792	25.000	1.000 U	84 4	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241656 Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K09DSA	165080-028		11/09/2005	1957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.376	24.361	25.000	1.000	U	94	%	70-133	
							4	R	20	
1,2,4-Trimethylbenzene	ug/L	22.965	24.268	25.000	1.000	U	92	%	71-131	
							6	R	20	
sec-Butylbenzene	ug/L	22.711	23.573	25.000	1.000	U	91	%	70-134	
							4	R	20	
p-Isopropyltoluene	ug/L	21.165	22.414	25.000	1.000	U	85	%	66-130	
							6	R	20	
n-Butylbenzene	ug/L	21.230	23.324	25.000	1.000	U	85	%	64-142	
							9	R	20	
1,2-Dibromo-3-chloropropane	ug/L	20.643	19.716	25.000	1.000	U	83	%	57-119	
							5	R	20	
1,2,3-Trichlorobenzene	ug/L	21.794	22.763	25.000	1.000	U	87	%	66-124	
							4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241656 — Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K09DSA	165080-003		11/09/2005	1003

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL6
Batch.....: 165204
Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.449		25.000	1.000 U	74	%	24-171	
Chloromethane	ug/L	16.347		25.000	1.000 U	65	%	31-182	
Vinyl chloride	ug/L	20.120		25.000	1.000 U	80	%	50-145	
Bromomethane	ug/L	18.369		25.000	1.000 U	73	%	31-188	
Chloroethane	ug/L	20.933		25.000	1.000 U	84	%	58-148	
Trichlorofluoromethane	ug/L	20.674		25.000	1.000 U	83	%	54-142	
1,1-Dichloroethene	ug/L	20.331		25.000	1.000 U	81	%	51-136	
Carbon disulfide	ug/L	16.563		25.000	5.000 U	66	%	21-111	
Acetone	ug/L	26.348		25.000	5.000 U	105	%	14-177	
Methylene chloride	ug/L	24.821		25.000	5.461	99	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.298		25.000	1.000 U	85	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	22.155		25.000	1.000 U	89	%	55-142	
1,1-Dichloroethane	ug/L	21.099		25.000	1.000 U	84	%	70-124	
2,2-Dichloropropane	ug/L	20.789		25.000	1.000 U	83	%	68-127	
cis-1,2-Dichloroethene	ug/L	21.960		25.000	1.000 U	88	%	70-125	
2-Butanone (MEK)	ug/L	25.615		25.000	5.000 U	102	%	29-139	
Bromochloromethane	ug/L	21.904		25.000	1.000 U	88	%	57-116	
Chloroform	ug/L	21.019		25.000	1.000 U	84	%	75-122	
1,1,1-Trichloroethane	ug/L	20.636		25.000	1.000 U	83	%	70-127	
1,1-Dichloropropene	ug/L	20.341		25.000	1.000 U	81	%	70-125	
Carbon tetrachloride	ug/L	20.352		25.000	1.000 U	81	%	64-132	
Benzene	ug/L	21.478		25.000	1.000 U	86	%	75-122	
1,2-Dichloroethane	ug/L	19.438		25.000	1.000 U	78	%	67-120	
Trichloroethene	ug/L	21.461		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	21.230		25.000	1.000 U	85	%	76-116	
Dibromomethane	ug/L	20.841		25.000	1.000 U	83	%	68-116	
Bromodichloromethane	ug/L	22.499		25.000	1.000 U	90	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.739		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.733		25.000	5.000 U	91	%	39-137	
Toluene	ug/L	23.856		25.000	1.000 U	95	%	77-120	
trans-1,3-Dichloropropene	ug/L	20.489		24.000	1.000 U	85	%	68-119	
1,1,2-Trichloroethane	ug/L	22.443		25.000	1.000 U	90	%	63-127	
Tetrachloroethene	ug/L	22.165		25.000	1.000 U	89	%	45-150	
1,3-Dichloropropane	ug/L	22.403		25.000	1.000 U	90	%	72-118	
2-Hexanone	ug/L	22.673		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	21.729		25.000	1.000 U	87	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.003		25.000	1.000 U	88	%	62-123	
Chlorobenzene	ug/L	21.372		25.000	1.000 U	85	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	21.982		25.000	1.000 U	88	%	77-120	
Ethylbenzene	ug/L	22.780		25.000	1.000 U	91	%	75-125	
m&p-Xylenes	ug/L	44.528		50.000	2.000 U	89	%	75-123	
o-Xylene	ug/L	22.826		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.927		25.000	1.000 U	92	%	77-128	
Bromoform	ug/L	21.462		25.000	1.000 U	86	%	65-115	
Isopropylbenzene	ug/L	20.767		25.000	1.000 U	83	%	64-119	
Bromobenzene	ug/L	22.827		25.000	1.000 U	91	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.104		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	21.681		25.000	1.000 U	87	%	62-124	
n-Propylbenzene	ug/L	23.270		25.000	1.000 U	93	%	69-132	
2-Chlorotoluene	ug/L	22.794		25.000	1.000 U	91	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241656

Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: QMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K09DSA	165080-003		11/09/2005	1003

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.275		25.000	1.000	U	97	%	70-132	
4-Chlorotoluene	ug/L	21.792		25.000	1.000	U	87	%	70-126	
tert-Butylbenzene	ug/L	24.361		25.000	1.000	U	97	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.268		25.000	1.000	U	97	%	71-131	
sec-Butylbenzene	ug/L	23.573		25.000	1.000	U	94	%	70-134	
p-Isopropyltoluene	ug/L	22.414		25.000	1.000	U	90	%	66-130	
n-Butylbenzene	ug/L	23.324		25.000	1.000	U	93	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	19.716		25.000	1.000	U	79	%	57-119	
1,2,3-Trichlorobenzene	ug/L	22.763		25.000	1.000	U	91	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241656

QUALITY CONTROL RESULTS

Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165080-002		11/09/2005	0940

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL6
Batch.....: 165204
Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	5.461								B
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241656

Report Date.: 11/10/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165080-002		11/09/2005	0940

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U						
4-Chlorotoluene	ug/L	1.000	U						
tert-Butylbenzene	ug/L	1.000	U						
1,2,4-Trimethylbenzene	ug/L	1.000	U						
sec-Butylbenzene	ug/L	1.000	U						
p-Isopropyltoluene	ug/L	1.000	U						
n-Butylbenzene	ug/L	1.000	U						
1,2-Dibromo-3-chloropropane	ug/L	1.000	U						
1,2,3-Trichlorobenzene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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Report To:
Contact: Eric Evans
Company: HGL
Address: 313 Ushers Rd
Ballston Lake, NY 12019
Phone: (518) 877-0340
Fax: (518) 877-0414
E-Mail: EEVANS@HGL.com

Bill To:
Contact:
Company: Same
Address:
Phone:
Fax:
PO#: CM4009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241656

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.7

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: GW Plume Delineation MCA Barracks
Project Number: CM4009-001
Project Location: Hunter AAF
Lab PM: Linda Markley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B
		TB110305	11-3-05	1100	W	G		3	40ml	HCl		X	
		EB110305		1845				2	40ml	HCl	X		
1		MCA-GW04B-15-110505		1105				3	40ml	None			X
2		MCA-GW04B-30-110505		1155									
3		MCA-GW04B-45-110505		1355									
4		MCA-GW036-15-110505		1505									
5		MCA-GW036-30-110505		1515									
6		MCA-GW036-45-110505		1650									
		MCA-GWDUP107-110505		0917									

Additional Analyses / Remarks
Standard TAT
24 Hr TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	11-3-05			STL	11-4-05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received / /
Courier: FX **Hand Delivered** ☐
Bill of Lading

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241552

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/11/2005

Linda S Mackley
Signature

11-11-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (23) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241552
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed.

5. All samples had all surrogate recoveries within the QC limits.

6. The samples were prepared and analyzed using a 10-mL purge volume following SW846 Methods 5030, 8000 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

Gary Rynkar
GC/MS Section Manager

11/11/15
Date

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S A M P L E I N F O R M A T I O N
Date: 11/11/2005

Job Number.: 241552
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241552-1	TB110105	Water	11/01/2005	18:45	11/02/2005	09:30
241552-2	EB110105	Water	11/01/2005	18:30	11/02/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241552 Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB110105
Date Sampled.....: 11/01/2005
Time Sampled.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID: 241552-1
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241552

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB110105
Date Sampled.....: 11/01/2005
Time Sampled.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID: 241552-1
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241552

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB110105
Date Sampled.....: 11/01/2005
Time Sampled.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID: 241552-1
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164849		11/07/05 0729	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241552 Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB110105
Date Sampled.....: 11/01/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241552-2
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Acetone	6.0			1.4	5.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Methylene chloride	1.3			0.24	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,2-Dichloroethane	1.0	U	*	0.25	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Bromodichloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241552 Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB110105
Date Sampled.....: 11/01/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241552-2
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Toluene	1.2			0.18	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Dibromochloromethane	1.0	U	*	0.22	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Ethylbenzene	1.3			0.21	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	m&p-Xylenes	3.4			0.36	2.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	o-Xylene	1.4			0.19	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Bromoform	1.0	U	*	0.32	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241552 Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB110105
Date Sampled.....: 11/01/2005
Time Sampled.....: 18:30
Sample Matrix.....: Water

Laboratory Sample ID: 241552-2
Date Received.....: 11/02/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn
	1,2,3-Trichlorobenzene	1.3			0.43	1.0	1.00000	ug/L	164945		11/07/05 1216	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241552 Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241552-1 Client ID: TB110105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164806		11/07/2005	0729	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164849	164806	11/07/2005	0729	1.00000

Lab ID: 241552-2 Client ID: EB110105 Date Recvd: 11/02/2005 Sample Date: 11/01/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164806		11/07/2005	0753	
5030B	5030 10 mL Purge Prep	2	164892		11/07/2005	1216	
8260B	Volatile Organics	1	164945	164892	11/07/2005	1216	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241552 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164849
Prep Batch..: 164806

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/06/2005	98	113	108	100
MB			11/06/2005	111	105	108	100
241552- 1		TB110105	11/07/2005	119	107	115	102

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164945
Prep Batch..: 164892

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/07/2005	109	115	114	101
MB			11/07/2005	115	111	108	102
241552- 2		EB110105	11/07/2005	114	108	105	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241552 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K06DSA	164806-027		11/06/2005	2214

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164849

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.822		25.000	1.000 U	99	%	24-171	
Chloromethane	ug/L	21.590		25.000	1.000 U	86	%	31-182	
Vinyl chloride	ug/L	24.494		25.000	1.000 U	98	%	50-145	
Bromomethane	ug/L	35.923		25.000	1.000 U	144	%	31-188	
Chloroethane	ug/L	28.366		25.000	1.000 U	113	%	58-148	
Trichlorofluoromethane	ug/L	30.270		25.000	1.000 U	121	%	54-142	
1,1-Dichloroethene	ug/L	25.710		25.000	1.000 U	103	%	51-136	
Carbon disulfide	ug/L	20.221		25.000	5.000 U	81	%	21-111	
Acetone	ug/L	19.975		25.000	5.000 U	80	%	14-177	
Methylene chloride	ug/L	22.044		25.000	1.000 U	88	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.644		25.000	1.000 U	103	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.497		25.000	1.000 U	110	%	55-142	
1,1-Dichloroethane	ug/L	25.816		25.000	1.000 U	103	%	70-124	
2,2-Dichloropropane	ug/L	33.678		25.000	1.000 U	135	%	68-127	*
cis-1,2-Dichloroethene	ug/L	26.576		25.000	1.000 U	106	%	70-125	
2-Butanone (MEK)	ug/L	21.398		25.000	5.000 U	86	%	29-139	
Bromochloromethane	ug/L	20.727		25.000	1.000 U	83	%	57-116	
Chloroform	ug/L	27.417		25.000	1.000 U	110	%	75-122	
1,1,1-Trichloroethane	ug/L	29.574		25.000	1.000 U	118	%	70-127	
1,1-Dichloropropene	ug/L	24.959		25.000	1.000 U	100	%	70-125	
Carbon tetrachloride	ug/L	33.258		25.000	1.000 U	133	%	64-132	*
Benzene	ug/L	24.385		25.000	1.000 U	98	%	75-122	
1,2-Dichloroethane	ug/L	29.242		25.000	1.000 U	117	%	67-120	
Trichloroethene	ug/L	25.940		25.000	1.000 U	104	%	70-125	
1,2-Dichloropropane	ug/L	25.145		25.000	1.000 U	101	%	76-116	
Dibromomethane	ug/L	20.567		25.000	1.000 U	82	%	68-116	
Bromodichloromethane	ug/L	31.121		25.000	1.000 U	124	%	75-125	
cis-1,3-Dichloropropene	ug/L	27.225		26.000	1.000 U	105	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.026		25.000	5.000 U	96	%	39-137	
Toluene	ug/L	25.548		25.000	1.000 U	102	%	77-120	
trans-1,3-Dichloropropene	ug/L	26.818		24.000	1.000 U	112	%	68-119	
1,1,2-Trichloroethane	ug/L	24.981		25.000	1.000 U	100	%	63-127	
Tetrachloroethene	ug/L	26.738		25.000	1.000 U	107	%	45-150	
1,3-Dichloropropane	ug/L	25.922		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	22.630		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	29.412		25.000	1.000 U	118	%	73-116	*
1,2-Dibromoethane (EDB)	ug/L	26.320		25.000	1.000 U	105	%	62-123	
Chlorobenzene	ug/L	24.151		25.000	1.000 U	97	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	29.110		25.000	1.000 U	116	%	77-120	
Ethylbenzene	ug/L	25.970		25.000	1.000 U	104	%	75-125	
m&p-Xylenes	ug/L	53.714		50.000	2.000 U	107	%	75-123	
o-Xylene	ug/L	28.011		25.000	1.000 U	112	%	76-121	
Styrene	ug/L	26.450		25.000	1.000 U	106	%	77-128	
Bromoform	ug/L	28.436		25.000	1.000 U	114	%	65-115	
Isopropylbenzene	ug/L	22.738		25.000	1.000 U	91	%	64-119	
Bromobenzene	ug/L	24.901		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.706		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	26.650		25.000	1.000 U	107	%	62-124	
n-Propylbenzene	ug/L	24.526		25.000	1.000 U	98	%	69-132	
2-Chlorotoluene	ug/L	25.244		25.000	1.000 U	101	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K06DSA	164806-027		11/06/2005	2214

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	25.700		25.000	1.000	U	103	%	70-132	
4-Chlorotoluene	ug/L	24.142		25.000	1.000	U	97	%	70-126	
tert-Butylbenzene	ug/L	25.421		25.000	1.000	U	102	%	70-133	
1,2,4-Trimethylbenzene	ug/L	25.289		25.000	1.000	U	101	%	71-131	
sec-Butylbenzene	ug/L	24.890		25.000	1.000	U	100	%	70-134	
p-Isopropyltoluene	ug/L	24.431		25.000	1.000	U	98	%	66-130	
n-Butylbenzene	ug/L	25.120		25.000	1.000	U	100	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	24.520		25.000	1.000	U	98	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.005		25.000	1.000	U	100	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 — Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164806-026		11/06/2005	2150

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL2
Batch.....: 164849
Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164806-026		11/06/2005	2150

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 — Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K07DSB	164892-025		11/07/2005	1146

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164945

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	28.773		25.000	1.000 U	115	%	24-171	
Chloromethane	ug/L	22.321		25.000	1.000 U	89	%	31-182	
Vinyl chloride	ug/L	25.404		25.000	1.000 U	102	%	50-145	
Bromomethane	ug/L	44.416		25.000	1.000 U	178	%	31-188	
Chloroethane	ug/L	30.299		25.000	1.000 U	121	%	58-148	
Trichlorofluoromethane	ug/L	31.082		25.000	1.000 U	124	%	54-142	
1,1-Dichloroethene	ug/L	25.741		25.000	1.000 U	103	%	51-136	
Carbon disulfide	ug/L	19.781		25.000	5.000 U	79	%	21-111	
Acetone	ug/L	30.209		25.000	5.000 U	121	%	14-177	
Methylene chloride	ug/L	22.938		25.000	1.000 U	92	%	64-127	
trans-1,2-Dichloroethene	ug/L	25.477		25.000	1.000 U	102	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	30.203		25.000	1.000 U	121	%	55-142	
1,1-Dichloroethane	ug/L	26.675		25.000	1.000 U	107	%	70-124	
2,2-Dichloropropane	ug/L	35.354		25.000	1.000 U	141	%	68-127	*
cis-1,2-Dichloroethene	ug/L	25.954		25.000	1.000 U	104	%	70-125	
2-Butanone (MEK)	ug/L	27.098		25.000	5.000 U	108	%	29-139	
Bromochloromethane	ug/L	21.346		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	28.560		25.000	1.000 U	114	%	75-122	
1,1,1-Trichloroethane	ug/L	30.570		25.000	1.000 U	122	%	70-127	
1,1-Dichloropropene	ug/L	24.874		25.000	1.000 U	99	%	70-125	
Carbon tetrachloride	ug/L	35.237		25.000	1.000 U	141	%	64-132	*
Benzene	ug/L	24.181		25.000	1.000 U	97	%	75-122	
1,2-Dichloroethane	ug/L	30.783		25.000	1.000 U	123	%	67-120	*
Trichloroethene	ug/L	25.267		25.000	1.000 U	101	%	70-125	
1,2-Dichloropropane	ug/L	25.025		25.000	1.000 U	100	%	76-116	
Dibromomethane	ug/L	21.244		25.000	1.000 U	85	%	68-116	
Bromodichloromethane	ug/L	32.544		25.000	1.000 U	130	%	75-125	*
cis-1,3-Dichloropropene	ug/L	27.687		26.000	1.000 U	106	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	25.270		25.000	5.000 U	101	%	39-137	
Toluene	ug/L	25.328		25.000	1.000 U	101	%	77-120	
trans-1,3-Dichloropropene	ug/L	27.684		24.000	1.000 U	115	%	68-119	
1,1,2-Trichloroethane	ug/L	26.804		25.000	1.000 U	107	%	63-127	
Tetrachloroethene	ug/L	26.387		25.000	1.000 U	106	%	45-150	
1,3-Dichloropropane	ug/L	26.753		25.000	1.000 U	107	%	72-118	
2-Hexanone	ug/L	25.235		25.000	5.000 U	101	%	36-144	
Dibromochloromethane	ug/L	30.112		25.000	1.000 U	120	%	73-116	*
1,2-Dibromoethane (EDB)	ug/L	27.125		25.000	1.000 U	108	%	62-123	
Chlorobenzene	ug/L	23.524		25.000	1.000 U	94	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	29.308		25.000	1.000 U	117	%	77-120	
Ethylbenzene	ug/L	24.968		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	53.437		50.000	2.000 U	107	%	75-123	
o-Xylene	ug/L	27.672		25.000	1.000 U	111	%	76-121	
Styrene	ug/L	26.412		25.000	1.000 U	106	%	77-128	
Bromoform	ug/L	29.912		25.000	1.000 U	120	%	65-115	*
Isopropylbenzene	ug/L	21.702		25.000	1.000 U	87	%	64-119	
Bromobenzene	ug/L	23.987		25.000	1.000 U	96	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	21.957		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	25.771		25.000	1.000 U	103	%	62-124	
n-Propylbenzene	ug/L	22.978		25.000	1.000 U	92	%	69-132	
2-Chlorotoluene	ug/L	24.356		25.000	1.000 U	97	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K07DSB	164892-025		11/07/2005	1146

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.782		25.000	1.000 U	99	%	70-132	
4-Chlorotoluene	ug/L	23.452		25.000	1.000 U	94	%	70-126	
tert-Butylbenzene	ug/L	23.933		25.000	1.000 U	96	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.181		25.000	1.000 U	97	%	71-131	
sec-Butylbenzene	ug/L	23.382		25.000	1.000 U	94	%	70-134	
p-Isopropyltoluene	ug/L	23.064		25.000	1.000 U	92	%	66-130	
n-Butylbenzene	ug/L	23.658		25.000	1.000 U	95	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	27.782		25.000	1.000 U	111	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.688		25.000	1.000 U	99	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 — Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164892-024		11/07/2005	1122

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164945

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241552 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164892-024		11/07/2005	1122

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique Laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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University Park, IL 60466
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Report To:
Contact: ERIC EVANS
Company: HGL
Address: 303 WINERS Rd
BALDWIN LAKE, NY 12019
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E-Mail: EEVANS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: Original Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241552

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler: 2.3

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	Res Cl_2 Check OK
Yes No NA	Yes No NA

Sample Labels and COC Agree: Yes No — COC not present

Sampler Name: MIKE DICKSON
Signature:
Project Name: GW REMEDIATION
Project Number: OMC034-001
Project Location: MCA AMMO - HANGAR
Date Required Hard Copy: / / Fax: / /
Lab PM: LINDA ANKLEY

Refrg #																
# / Cont.	3	2														
Volume	40ml	40ml														
Preserv	HCl	HCl														

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOC's 8260B	VOC's 8260B	Additional Analyses / Remarks
		MCA-GW035-15-1105	11-1-05	0930	W	G	X		24 HR TAT
		MCA-GW035-30-1105		1015					
		MCA-GW035-45-1105		1105					
		MCA-GW034-15-1105		1255					
		MCA-GW034-27-1105		1400			↓		
1		TB110105		1845				X	STANDARD TAT
2		EB110105		1330			X		
		MCA-GW037-45-1105	↓	1445	↓	↓	↓		24 HR TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	11-1-05	1350		STL	11/2/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater; W = Water; S = Soil; SL = Sludge; MS = Miscellaneous; OL = Oil; A = Air; SE = Sediment; SO = Solid; DS = Drum Solid; DL = Drum Liquid; L = Leachate; WI = Wipe; O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 11 / 2 / 05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241768

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/11/2005

Linda S Mackley
Signature

11-11-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (26) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08/02/05 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc./OMA009-001
Hunter AAF
Job Number: 241768
VOA DATA:

1. All samples were analyzed within the required hold-time.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed.

5. All samples had all surrogate recoveries within the QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

Gary Rynkar
GC/MS Section Manager

11/11/5
Date

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SAMPLE INFORMATION
Date: 11/11/2005

Job Number.: 241768
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241768-1	MCA-GWDUP108-1105	Water	11/05/2005	11:03	11/08/2005	09:40
241768-2	TB110705	Water	11/05/2005	16:00	11/08/2005	09:40
241768-3	MCA-GWDUP109-1105	Water	11/05/2005	07:29	11/08/2005	09:40
241768-4	EB110505	Water	11/05/2005	14:45	11/08/2005	09:40

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Job Number: 241768

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP108-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 11:03
Sample Matrix.....: Water

Laboratory Sample ID: 241768-1
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Acetone	12			1.4	5.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn

* In Description = Dry Wgt.

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Job Number: 241768

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP108-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 11:03
Sample Matrix.....: Water

Laboratory Sample ID: 241768-1
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn

* In Description = Dry Wgt.

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Job Number: 241768

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP108-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 11:03
Sample Matrix.....: Water

Laboratory Sample ID: 241768-1
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165343		11/11/05 0953	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241768

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB110705
Date Sampled.....: 11/05/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241768-2
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn

* In Description = Dry Wgt.

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Job Number: 241768

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB110705
Date Sampled.....: 11/05/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241768-2
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241768

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB110705
Date Sampled.....: 11/05/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241768-2
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165343		11/11/05 0605	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241768

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OHA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP109-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 07:29
Sample Matrix.....: Water

Laboratory Sample ID: 241768-3
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn

* In Description = Dry Wgt.

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Job Number: 241768

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP109-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 07:29
Sample Matrix.....: Water

Laboratory Sample ID: 241768-3
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn

* In Description = Dry Wgt.

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Job Number: 241768

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP109-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 07:29
Sample Matrix.....: Water

Laboratory Sample ID: 241768-3
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165343		11/11/05 0628	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241768

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB110505
Date Sampled.....: 11/05/2005
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 241768-4
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Acetone	5.1		H	1.4	5.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Methylene chloride	1.7			0.24	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn

* In Description = Dry Wgt.

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Job Number: 241768

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB110505
Date Sampled.....: 11/05/2005
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 241768-4
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (NIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241768

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB110505
Date Sampled.....: 11/05/2005
Time Sampled.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID: 241768-4
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165343		11/11/05 0651	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241768 Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241768-1 Client ID: MCA-GWDUP108-1105
Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165341		11/11/2005 0543	
5030B	5030 10 mL Purge Prep	2	165341		11/11/2005 0953	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	165343	165341	11/11/2005 0953	1.00000

Lab ID: 241768-2 Client ID: TB110705
Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165341		11/11/2005 0605	
8260B	Volatile Organics	1	165343	165341	11/11/2005 0605	1.00000

Lab ID: 241768-3 Client ID: MCA-GWDUP109-1105
Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165341		11/11/2005 0628	
8260B	Volatile Organics	1	165343	165341	11/11/2005 0628	1.00000

Lab ID: 241768-4 Client ID: EB110505
Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	165341		11/11/2005 0651	
8260B	Volatile Organics	1	165343	165341	11/11/2005 0651	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241768

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Water
Batch(s).....: 165343

Prep Batch..: 165341

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/11/2005	94	95	94	93
MB			11/11/2005	98	91	98	95
241768- 1		MCA-GWDUP108-1105	11/11/2005	104	93	102	98
241768- 2		TB110705	11/11/2005	104	86	102	98
241768- 3		MCA-GWDUP109-1105	11/11/2005	102	94	97	97
241768- 4		EB110505	11/11/2005	103	92	100	91

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241768

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165341-030		11/11/2005	0133

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 165343

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	15.722		25.000	1.000 U	63	%	24-171	
Chloromethane	ug/L	14.003		25.000	1.000 U	56	%	31-182	
Vinyl chloride	ug/L	18.415		25.000	1.000 U	74	%	50-145	
Bromomethane	ug/L	18.529		25.000	1.000 U	74	%	31-188	
Chloroethane	ug/L	20.000		25.000	1.000 U	80	%	58-148	
Trichlorofluoromethane	ug/L	19.513		25.000	1.000 U	78	%	54-142	
1,1-Dichloroethene	ug/L	25.282		25.000	1.000 U	101	%	51-136	
Carbon disulfide	ug/L	21.906		25.000	5.000 U	88	%	21-111	
Acetone	ug/L	23.117		25.000	5.000 U	92	%	14-177	
Methylene chloride	ug/L	23.446		25.000	1.000 U	94	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.518		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.106		25.000	1.000 U	96	%	55-142	
1,1-Dichloroethane	ug/L	23.850		25.000	1.000 U	95	%	70-124	
2,2-Dichloropropane	ug/L	24.234		25.000	1.000 U	97	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.986		25.000	1.000 U	96	%	70-125	
2-Butanone (MEK)	ug/L	25.082		25.000	5.000 U	100	%	29-139	
Bromochloromethane	ug/L	24.148		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	23.586		25.000	1.000 U	94	%	75-122	
1,1,1-Trichloroethane	ug/L	24.028		25.000	1.000 U	96	%	70-127	
1,1-Dichloropropene	ug/L	23.408		25.000	1.000 U	94	%	70-125	
Carbon tetrachloride	ug/L	24.057		25.000	1.000 U	96	%	64-132	
Benzene	ug/L	24.235		25.000	1.000 U	97	%	75-122	
1,2-Dichloroethane	ug/L	22.840		25.000	1.000 U	91	%	67-120	
Trichloroethene	ug/L	23.689		25.000	1.000 U	95	%	70-125	
1,2-Dichloropropane	ug/L	23.276		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	22.660		25.000	1.000 U	91	%	68-116	
Bromodichloromethane	ug/L	25.847		25.000	1.000 U	103	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.349		26.000	1.000 U	94	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.522		25.000	5.000 U	90	%	39-137	
Toluene	ug/L	25.411		25.000	1.000 U	102	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.263		24.000	1.000 U	93	%	68-119	
1,1,2-Trichloroethane	ug/L	23.620		25.000	1.000 U	94	%	63-127	
Tetrachloroethene	ug/L	23.931		25.000	1.000 U	96	%	45-150	
1,3-Dichloropropane	ug/L	23.621		25.000	1.000 U	94	%	72-118	
2-Hexanone	ug/L	21.728		25.000	5.000 U	87	%	36-144	
Dibromochloromethane	ug/L	23.989		25.000	1.000 U	96	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.965		25.000	1.000 U	92	%	62-123	
Chlorobenzene	ug/L	22.761		25.000	1.000 U	91	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.871		25.000	1.000 U	95	%	77-120	
Ethylbenzene	ug/L	23.985		25.000	1.000 U	96	%	75-125	
m&p-Xylenes	ug/L	48.429		50.000	2.000 U	97	%	75-123	
o-Xylene	ug/L	24.660		25.000	1.000 U	99	%	76-121	
Styrene	ug/L	25.099		25.000	1.000 U	100	%	77-128	
Bromoform	ug/L	23.271		25.000	1.000 U	93	%	65-115	
Isopropylbenzene	ug/L	22.246		25.000	1.000 U	89	%	64-119	
Bromobenzene	ug/L	23.910		25.000	1.000 U	96	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.891		25.000	1.000 U	100	%	61-122	
1,2,3-Trichloropropane	ug/L	22.294		25.000	1.000 U	89	%	62-124	
n-Propylbenzene	ug/L	24.650		25.000	1.000 U	99	%	69-132	
2-Chlorotoluene	ug/L	24.149		25.000	1.000 U	97	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241768

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165341-030		11/11/2005	0133

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	25.747		25.000	1.000 U	103	%	70-132	
4-Chlorotoluene	ug/L	23.284		25.000	1.000 U	93	%	70-126	
tert-Butylbenzene	ug/L	25.869		25.000	1.000 U	103	%	70-133	
1,2,4-Trimethylbenzene	ug/L	25.250		25.000	1.000 U	101	%	71-131	
sec-Butylbenzene	ug/L	25.057		25.000	1.000 U	100	%	70-134	
p-Isopropyltoluene	ug/L	23.635		25.000	1.000 U	95	%	66-130	
n-Butylbenzene	ug/L	24.329		25.000	1.000 U	97	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	24.588		25.000	1.000 U	98	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.707		25.000	1.000 U	95	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241768

QUALITY CONTROL RESULTS

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165341-029		11/11/2005	0110

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 165343

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241768

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165341-029		11/11/2005	0110

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: 313 USHERS Rd
BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EEVANS@HGL.com

Bill To:
Contact:
Company:
Address: SAME
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 3

Lab Lot# 241768

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: MIKE JACKSON
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: MCA Barracks
Lab PM: Linda Mackey
Date Required
Hard Copy: __/__/__
Fax: __/__/__

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW039-38-1105	11-5-05	0950	W	G	X			24 HOUR TAT
		MCA-GW033-15-1105		0905						
		MCA-GW033-26-1105		1010						SDD TAT
		MCA-GW033MSD-1105		0905						
		MCA-GW033MS-1105		0905						
1		MCA-GW DUP08-1105		1103						24 HOUR TAT
		MCA-GW041-15-1105		1140					X	
		MCA-GW041-30-1105		1225						SDD TAT
2		TB110705		1600				X		
3		MCA-GWDUP09-1105		0729					X	24 HOUR TAT
		MCA-GW041-45-1105		1410						
		MCA-GW033-45-1105	↓	1300	↓	↓			↓	↓

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	11-7-05	1300		STL	11/8/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Non-preserved & preserved VOC samples on C-O-C

Date Received 11, 8, 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attached

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: 313 USHERS Road
Ballston Lake NY 12019
Phone: 518-877-0396
Fax: 518-877-0414
E-Mail: EVans@HGL.com

Bill To:
Contact:
Company:
Address: Same
Phone:
Fax:
PO#: OM0009-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 241768

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OM0009-001
Project Location: MCA Barracks
Lab PM: Linda Mackey
Date Required
Hard Copy: __/__/__
Fax: __/__/__

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	Additional Analyses / Remarks
4		EB1105505	11-5-05	1445	W	G		3	40ml	HCl	X	Standard TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	11-7-05	1700		STL	11/8/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
Wi = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 11/8/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241767

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/11/2005

Linda S Mackley
Signature

11-11-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
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University Park, IL 60466

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This Report Contains (44) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent	Title	Date
Marcy D. Kenney	QA Specialist	08-102105

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc./OMA009-001
Hunter AAF
Job Number: 241767
VOA DATA:

1. All samples were analyzed within the required hold-time.

2. Methylene Chloride was detected in the Method Blank for batch 165312. Methylene Chloride was flagged properly on the associated samples. All other compounds in the MB samples were undetected.

3. The LCS (Laboratory Control Sample) samples had all control spike recoveries within the QC limits. The LCS for batch 165343 controlled only the analyte required for the dilution.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed.

5. All samples had all surrogate recoveries within the QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. All samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. Sample -3 required a 10x secondary dilution. Results and reporting limits have been adjusted to reflect the dilution performed.

Gary Rynkar
GC/MS Section Manager

11/11/5
Date

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SAMPLE INFORMATION
Date: 11/11/2005

Job Number.: 241767
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241767-1	MCA-GW039-38-1105	Water	11/05/2005	07:50	11/08/2005	09:40
241767-2	MCA-GW033-15-1105	Water	11/05/2005	09:05	11/08/2005	09:40
241767-3	MCA-GW033-26-1105	Water	11/05/2005	10:10	11/08/2005	09:40
241767-4	MCA-GW041-15-1105	Water	11/05/2005	11:40	11/08/2005	09:40
241767-5	MCA-GW041-30-1105	Water	11/05/2005	12:25	11/08/2005	09:40
241767-6	MCA-GW041-45-1105	Water	11/05/2005	14:10	11/08/2005	09:40
241767-7	MCA-GW033-45-1105	Water	11/05/2005	13:00	11/08/2005	09:40

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LABORATORY TEST RESULTS

Job Number: 241767 Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW039-38-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 07:50
Sample Matrix.....: Water

Laboratory Sample ID: 241767-1
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Carbon disulfide	1.2	J		0.15	5.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Acetone	13		*	1.4	5.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn

* In Description = Dry Wgt.

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Job Number: 241767

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW039-38-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 07:50
Sample Matrix.....: Water

Laboratory Sample ID: 241767-1
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW039-38-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 07:50
Sample Matrix.....: Water

Laboratory Sample ID: 241767-1
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 1836	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-15-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 09:05
Sample Matrix.....: Water

Laboratory Sample ID: 241767-2
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Carbon disulfide	3.6	J		0.15	5.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Trichloroethene	7.0			0.13	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn

* In Description = Dry Wgt.

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Job Number: 241767

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-15-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 09:05
Sample Matrix.....: Water

Laboratory Sample ID: 241767-2
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-15-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 09:05
Sample Matrix.....: Water

Laboratory Sample ID: 241767-2
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 1859	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-26-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 241767-3
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Methylene chloride	1.0	U	B	0.24	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	cis-1,2-Dichloroethene	11			0.20	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Trichloroethene	170			1.3	10	10.0000	ug/L	165343	D1	11/11/05 0155	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn

* In Description = Dry Wgt.

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Job Number: 241767

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-26-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 241767-3
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Tetrachloroethene	2.8			0.18	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-26-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 241767-3
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 2007	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241767

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-15-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 11:40
Sample Matrix.....: Water

Laboratory Sample ID: 241767-4
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Methylene chloride	4.7		B	0.24	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn

* In Description = Dry Wgt.

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Job Number: 241767

LABORATORY TEST RESULTS

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-15-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 11:40
Sample Matrix.....: Water

Laboratory Sample ID: 241767-4
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767 Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-15-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 11:40
Sample Matrix.....: Water

Laboratory Sample ID: 241767-4
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 2029	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-30-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 12:25
Sample Matrix.....: Water

Laboratory Sample ID: 241767-5
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Methylene chloride	4.1		B	0.24	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn

* In Description = Dry Wgt.

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Job Number: 241767

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-30-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 12:25
Sample Matrix.....: Water

Laboratory Sample ID: 241767-5
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn

* In Description = Dry Wgt.

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Job Number: 241767

LABORATORY TEST RESULTS

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-30-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 12:25
Sample Matrix.....: Water

Laboratory Sample ID: 241767-5
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 2115	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-45-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 14:10
Sample Matrix.....: Water

Laboratory Sample ID: 241767-6
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Methylene chloride	4.2		B	0.24	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767 Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-45-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 14:10
Sample Matrix.....: Water

Laboratory Sample ID: 241767-6
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241767

Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW041-45-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 14:10
Sample Matrix.....: Water

Laboratory Sample ID: 241767-6
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 2137	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-45-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241767-7
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Methylene chloride	4.8		B	0.24	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Trichloroethene	3.7			0.13	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-45-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241767-7
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241767

Date:11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW033-45-1105
Date Sampled.....: 11/05/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 241767-7
Date Received.....: 11/08/2005
Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	165312		11/10/05 2200	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241767 Date: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241767-1 Client ID: MCA-GW039-38-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	1836	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	165312	165307	11/10/2005	1836	1.00000

Lab ID: 241767-2 Client ID: MCA-GW033-15-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	1859	
8260B	Volatile Organics	1	165312	165307	11/10/2005	1859	1.00000

Lab ID: 241767-3 Client ID: MCA-GW033-26-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	2007	
5030B	5030 10 mL Purge Prep	2	165341		11/11/2005	0155	
8260B	Volatile Organics	1	165312	165307	11/10/2005	2007	1.00000
8260B	Volatile Organics	1	165343	165341	11/11/2005	0155	10.0000

Lab ID: 241767-4 Client ID: MCA-GW041-15-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	2029	
5030B	5030 10 mL Purge Prep	2	165307		11/10/2005	2052	
8260B	Volatile Organics	1	165312	165307	11/10/2005	2029	1.00000

Lab ID: 241767-5 Client ID: MCA-GW041-30-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	2115	
8260B	Volatile Organics	1	165312	165307	11/10/2005	2115	1.00000

Lab ID: 241767-6 Client ID: MCA-GW041-45-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	2137	
8260B	Volatile Organics	1	165312	165307	11/10/2005	2137	1.00000

Lab ID: 241767-7 Client ID: MCA-GW033-45-1105 Date Recvd: 11/08/2005 Sample Date: 11/05/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	165307		11/10/2005	2200	
8260B	Volatile Organics	1	165312	165307	11/10/2005	2200	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241767 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 165312
Prep Batch..: 165307

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/10/2005	91	96	101	94
LCS			11/10/2005	93	96	94	97
MB			11/10/2005	98	91	96	94
241767- 1		MCA-GW039-38-1105	11/10/2005	95	93	96	98
241767- 2		MCA-GW033-15-1105	11/10/2005	91	90	99	94
241767- 2	MS	MCA-GW033-15-1105	11/10/2005	88	93	97	92
241767- 2	MSD	MCA-GW033-15-1105	11/10/2005	86	95	93	93
241767- 3		MCA-GW033-26-1105	11/10/2005	90	93	96	97
241767- 4		MCA-GW041-15-1105	11/10/2005	93	88	97	96
241767- 5		MCA-GW041-30-1105	11/10/2005	93	90	100	93
241767- 6		MCA-GW041-45-1105	11/10/2005	96	89	102	96
241767- 7		MCA-GW033-45-1105	11/10/2005	100	87	106	95

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 165343
Prep Batch..: 165341

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/11/2005	94	95	94	93
MB			11/11/2005	98	91	98	95
241767- 3	D1	MCA-GW033-26-1105	11/11/2005	91	89	97	91

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241767 — Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K10DSA	165307-028		11/10/2005	2331

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 165312

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.618	18.954	25.000	1.000 U	74	%	24-171	
						2	R	20	
Chloromethane	ug/L	15.494	17.075	25.000	1.000 U	62	%	31-182	
						10	R	20	
Vinyl chloride	ug/L	19.698	20.514	25.000	1.000 U	79	%	50-145	
						4	R	20	
Bromomethane	ug/L	16.818	24.612	25.000	1.000 U	67	%	31-188	
						38	R	20	*
Chloroethane	ug/L	22.024	21.369	25.000	1.000 U	88	%	58-148	
						3	R	20	
Trichlorofluoromethane	ug/L	21.838	22.018	25.000	1.000 U	87	%	54-142	
						1	R	20	
1,1-Dichloroethene	ug/L	20.018	20.396	25.000	1.000 U	80	%	51-136	
						2	R	20	
Carbon disulfide	ug/L	15.865	15.920	25.000	5.000 U	63	%	21-111	
						0	R	20	
Acetone	ug/L	25.948	35.809	25.000	5.000 U	104	%	14-177	
						32	R	20	*
Methylene chloride	ug/L	23.062	23.817	25.000	1.535	92	%	64-127	
						3	R	20	
trans-1,2-Dichloroethene	ug/L	21.494	21.290	25.000	1.000 U	86	%	62-138	
						1	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.335	25.256	25.000	1.000 U	109	%	55-142	
						8	R	20	
1,1-Dichloroethane	ug/L	22.483	22.041	25.000	1.000 U	90	%	70-124	
						2	R	20	
2,2-Dichloropropane	ug/L	21.346	23.198	25.000	1.000 U	85	%	68-127	
						8	R	20	
cis-1,2-Dichloroethene	ug/L	23.051	22.542	25.000	1.000 U	92	%	70-125	
						2	R	20	
2-Butanone (MEK)	ug/L	27.696	20.142	25.000	5.000 U	111	%	29-139	
						32	R	20	*
Bromochloromethane	ug/L	26.085	24.807	25.000	1.000 U	104	%	57-116	
						5	R	20	
Chloroform	ug/L	23.160	22.880	25.000	1.000 U	93	%	75-122	
						1	R	20	
1,1,1-Trichloroethane	ug/L	22.315	23.269	25.000	1.000 U	89	%	70-127	
						4	R	20	
1,1-Dichloropropene	ug/L	21.191	21.543	25.000	1.000 U	85	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	20.611	23.371	25.000	1.000 U	82	%	64-132	
						13	R	20	
Benzene	ug/L	20.877	22.872	25.000	1.000 U	84	%	75-122	
						9	R	20	
1,2-Dichloroethane	ug/L	20.430	22.452	25.000	1.000 U	82	%	67-120	
						9	R	20	
Trichloroethene	ug/L	20.254	23.428	25.000	1.000 U	81	%	70-125	
						15	R	20	
1,2-Dichloropropane	ug/L	19.852	22.405	25.000	1.000 U	79	%	76-116	
						12	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05K10DSA	165307-028		11/10/2005 2331

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.066	22.356	25.000	1.000 U	84	%	68-116	
						6	R	20	
Bromodichloromethane	ug/L	23.355	25.497	25.000	1.000 U	93	%	75-125	
						9	R	20	
cis-1,3-Dichloropropene	ug/L	21.191	23.500	26.000	1.000 U	82	%	72-115	
						10	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	21.682	24.380	25.000	5.000 U	87	%	39-137	
						12	R	20	
Toluene	ug/L	23.381	25.629	25.000	1.000 U	94	%	77-120	
						9	R	20	
trans-1,3-Dichloropropene	ug/L	19.528	21.489	24.000	1.000 U	81	%	68-119	
						10	R	20	
1,1,2-Trichloroethane	ug/L	23.648	24.202	25.000	1.000 U	95	%	63-127	
						2	R	20	
Tetrachloroethene	ug/L	22.457	24.928	25.000	1.000 U	90	%	45-150	
						10	R	20	
1,3-Dichloropropane	ug/L	23.364	23.626	25.000	1.000 U	93	%	72-118	
						1	R	20	
2-Hexanone	ug/L	23.356	23.435	25.000	5.000 U	93	%	36-144	
						0	R	20	
Dibromochloromethane	ug/L	23.959	25.665	25.000	1.000 U	96	%	73-116	
						7	R	20	
1,2-Dibromoethane (EDB)	ug/L	22.021	22.727	25.000	1.000 U	88	%	62-123	
						3	R	20	
Chlorobenzene	ug/L	22.273	23.878	25.000	1.000 U	89	%	76-116	
						7	R	20	
1,1,1,2-Tetrachloroethane	ug/L	23.743	25.661	25.000	1.000 U	95	%	77-120	
						8	R	20	
Ethylbenzene	ug/L	23.386	24.983	25.000	1.000 U	94	%	75-125	
						7	R	20	
m&p-Xylenes	ug/L	46.947	50.875	50.000	2.000 U	94	%	75-123	
						8	R	20	
o-Xylene	ug/L	23.762	25.753	25.000	1.000 U	95	%	76-121	
						8	R	20	
Styrene	ug/L	24.674	25.951	25.000	1.000 U	99	%	77-128	
						5	R	20	
Bromoform	ug/L	24.213	24.577	25.000	1.000 U	97	%	65-115	
						1	R	20	
Isopropylbenzene	ug/L	21.717	23.058	25.000	1.000 U	87	%	64-119	
						6	R	20	
Bromobenzene	ug/L	23.922	24.900	25.000	1.000 U	96	%	76-118	
						4	R	20	
1,1,2,2-Tetrachloroethane	ug/L	23.960	24.116	25.000	1.000 U	96	%	61-122	
						1	R	20	
1,2,3-Trichloropropane	ug/L	24.235	23.880	25.000	1.000 U	97	%	62-124	
						1	R	20	
n-Propylbenzene	ug/L	23.926	25.712	25.000	1.000 U	96	%	69-132	
						7	R	20	
2-Chlorotoluene	ug/L	23.567	24.962	25.000	1.000 U	94	%	70-127	
						6	R	20	
1,3,5-Trimethylbenzene	ug/L	24.895	26.656	25.000	1.000 U	100	%	70-132	
						7	R	20	
4-Chlorotoluene	ug/L	23.073	24.211	25.000	1.000 U	92	%	70-126	
						5	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K10DSA	165307-028		11/10/2005	2331

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	25.364	26.999	25.000	1.000	U	101 6	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	24.616	26.962	25.000	1.000	U	98 9	% R	71-131 20	
sec-Butylbenzene	ug/L	24.700	25.874	25.000	1.000	U	99 5	% R	70-134 20	
p-Isopropyltoluene	ug/L	22.640	24.931	25.000	1.000	U	91 10	% R	66-130 20	
n-Butylbenzene	ug/L	22.571	26.022	25.000	1.000	U	90 14	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	24.440	24.056	25.000	1.000	U	98 2	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	22.463	25.061	25.000	1.000	U	90 11	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165307-027		11/10/2005	1318

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 165312

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.954		25.000	1.000 U	76	%	24-171	
Chloromethane	ug/L	17.075		25.000	1.000 U	68	%	31-182	
Vinyl chloride	ug/L	20.514		25.000	1.000 U	82	%	50-145	
Bromomethane	ug/L	24.612		25.000	1.000 U	98	%	31-188	
Chloroethane	ug/L	21.369		25.000	1.000 U	85	%	58-148	
Trichlorofluoromethane	ug/L	22.018		25.000	1.000 U	88	%	54-142	
1,1-Dichloroethene	ug/L	20.396		25.000	1.000 U	82	%	51-136	
Carbon disulfide	ug/L	15.920		25.000	5.000 U	64	%	21-111	
Acetone	ug/L	35.809		25.000	5.000 U	143	%	14-177	
Methylene chloride	ug/L	23.817		25.000	1.535	95	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.290		25.000	1.000 U	85	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.256		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	22.041		25.000	1.000 U	88	%	70-124	
2,2-Dichloropropane	ug/L	23.198		25.000	1.000 U	93	%	68-127	
cis-1,2-Dichloroethene	ug/L	22.542		25.000	1.000 U	90	%	70-125	
2-Butanone (MEK)	ug/L	20.142		25.000	5.000 U	81	%	29-139	
Bromochloromethane	ug/L	24.807		25.000	1.000 U	99	%	57-116	
Chloroform	ug/L	22.880		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.269		25.000	1.000 U	93	%	70-127	
1,1-Dichloropropene	ug/L	21.543		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	23.371		25.000	1.000 U	93	%	64-132	
Benzene	ug/L	22.872		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	22.452		25.000	1.000 U	90	%	67-120	
Trichloroethene	ug/L	23.428		25.000	1.000 U	94	%	70-125	
1,2-Dichloropropane	ug/L	22.405		25.000	1.000 U	90	%	76-116	
Dibromomethane	ug/L	22.356		25.000	1.000 U	89	%	68-116	
Bromodichloromethane	ug/L	25.497		25.000	1.000 U	102	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.500		26.000	1.000 U	90	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	24.380		25.000	5.000 U	98	%	39-137	
Toluene	ug/L	25.629		25.000	1.000 U	103	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.489		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	24.202		25.000	1.000 U	97	%	63-127	
Tetrachloroethene	ug/L	24.928		25.000	1.000 U	100	%	45-150	
1,3-Dichloropropane	ug/L	23.626		25.000	1.000 U	95	%	72-118	
2-Hexanone	ug/L	23.435		25.000	5.000 U	94	%	36-144	
Dibromochloromethane	ug/L	25.665		25.000	1.000 U	103	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.727		25.000	1.000 U	91	%	62-123	
Chlorobenzene	ug/L	23.878		25.000	1.000 U	96	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.661		25.000	1.000 U	103	%	77-120	
Ethylbenzene	ug/L	24.983		25.000	1.000 U	100	%	75-125	
m&p-Xylenes	ug/L	50.875		50.000	2.000 U	102	%	75-123	
o-Xylene	ug/L	25.753		25.000	1.000 U	103	%	76-121	
Styrene	ug/L	25.951		25.000	1.000 U	104	%	77-128	
Bromoform	ug/L	24.577		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	23.058		25.000	1.000 U	92	%	64-119	
Bromobenzene	ug/L	24.900		25.000	1.000 U	100	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	24.116		25.000	1.000 U	96	%	61-122	
1,2,3-Trichloropropane	ug/L	23.880		25.000	1.000 U	96	%	62-124	
n-Propylbenzene	ug/L	25.712		25.000	1.000 U	103	%	69-132	
2-Chlorotoluene	ug/L	24.962		25.000	1.000 U	100	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165307-027		11/10/2005	1318

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	26.656		25.000	1.000 U	107	%	70-132	
4-Chlorotoluene	ug/L	24.211		25.000	1.000 U	97	%	70-126	
tert-Butylbenzene	ug/L	26.999		25.000	1.000 U	108	%	70-133	
1,2,4-Trimethylbenzene	ug/L	26.962		25.000	1.000 U	108	%	71-131	
sec-Butylbenzene	ug/L	25.874		25.000	1.000 U	103	%	70-134	
p-Isopropyltoluene	ug/L	24.931		25.000	1.000 U	100	%	66-130	
n-Butylbenzene	ug/L	26.022		25.000	1.000 U	104	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	24.056		25.000	1.000 U	96	%	57-119	
1,2,3-Trichlorobenzene	ug/L	25.061		25.000	1.000 U	100	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165307-026		11/10/2005	1255

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 165312

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.535								B
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165307-026		11/10/2005	1255

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767 — Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K10DSA	241767-2		11/10/2005	1921

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 165312

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	R
Dichlorodifluoromethane	ug/L	17.134		25.000	1.000 U	69	%	24-171	
Chloromethane	ug/L	14.048		25.000	1.000 U	56	%	31-182	
Vinyl chloride	ug/L	18.451		25.000	1.000 U	74	%	50-145	
Bromomethane	ug/L	15.109		25.000	1.000 U	60	%	31-188	
Chloroethane	ug/L	20.265		25.000	1.000 U	81	%	58-148	
Trichlorofluoromethane	ug/L	20.951		25.000	1.000 U	84	%	54-142	
1,1-Dichloroethene	ug/L	19.629		25.000	1.000 U	79	%	51-136	
Carbon disulfide	ug/L	20.075		25.000	3.588 J	80	%	21-111	
Acetone	ug/L	21.920		25.000	5.000 U	88	%	14-177	
Methylene chloride	ug/L	21.326		25.000	1.000 U	85	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.244		25.000	1.000 U	85	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.821		25.000	1.000 U	99	%	55-142	
1,1-Dichloroethane	ug/L	21.387		25.000	1.000 U	86	%	70-124	
2,2-Dichloropropane	ug/L	19.963		25.000	1.000 U	80	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.637		25.000	0.998 J	95	%	70-125	
2-Butanone (MEK)	ug/L	25.144		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	24.285		25.000	1.000 U	97	%	57-116	
Chloroform	ug/L	22.010		25.000	1.000 U	88	%	75-122	
1,1,1-Trichloroethane	ug/L	21.702		25.000	1.000 U	87	%	70-127	
1,1-Dichloropropene	ug/L	20.976		25.000	1.000 U	84	%	70-125	
Carbon tetrachloride	ug/L	20.425		25.000	1.000 U	82	%	64-132	
Benzene	ug/L	21.373		25.000	1.000 U	85	%	75-122	
1,2-Dichloroethane	ug/L	20.062		25.000	1.000 U	80	%	67-120	
Trichloroethene	ug/L	28.262		25.000	7.017	85	%	70-125	
1,2-Dichloropropane	ug/L	21.139		25.000	1.000 U	85	%	76-116	
Dibromomethane	ug/L	21.393		25.000	1.000 U	86	%	68-116	
Bromodichloromethane	ug/L	22.884		25.000	1.000 U	92	%	75-125	
cis-1,3-Dichloropropene	ug/L	21.411		26.000	1.000 U	82	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.597		25.000	5.000 U	90	%	39-137	
Toluene	ug/L	23.221		25.000	1.000 U	93	%	77-120	
trans-1,3-Dichloropropene	ug/L	19.686		24.000	1.000 U	82	%	68-119	
1,1,2-Trichloroethane	ug/L	22.880		25.000	1.000 U	92	%	63-127	
Tetrachloroethene	ug/L	22.655		25.000	1.000 U	91	%	45-150	
1,3-Dichloropropane	ug/L	23.169		25.000	1.000 U	93	%	72-118	
2-Hexanone	ug/L	21.638		25.000	5.000 U	87	%	36-144	
Dibromochloromethane	ug/L	23.164		25.000	1.000 U	93	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.095		25.000	1.000 U	88	%	62-123	
Chlorobenzene	ug/L	22.328		25.000	1.000 U	89	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.757		25.000	1.000 U	95	%	77-120	
Ethylbenzene	ug/L	23.703		25.000	1.000 U	95	%	75-125	
m&p-Xylenes	ug/L	46.196		50.000	2.000 U	92	%	75-123	
o-Xylene	ug/L	23.580		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	20.468		25.000	1.000 U	82	%	77-128	
Bromoform	ug/L	23.322		25.000	1.000 U	93	%	65-115	
Isopropylbenzene	ug/L	22.048		25.000	1.000 U	88	%	64-119	
Bromobenzene	ug/L	24.053		25.000	1.000 U	96	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	25.667		25.000	1.000 U	103	%	61-122	
1,2,3-Trichloropropane	ug/L	23.415		25.000	1.000 U	94	%	62-124	
n-Propylbenzene	ug/L	24.301		25.000	1.000 U	97	%	69-132	
2-Chlorotoluene	ug/L	23.632		25.000	1.000 U	95	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K10DSA	241767-2		11/10/2005	1921

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	24.723		25.000	1.000	U	99	%	70-132	
4-Chlorotoluene	ug/L	22.454		25.000	1.000	U	90	%	70-126	
tert-Butylbenzene	ug/L	25.389		25.000	1.000	U	102	%	70-133	
1,2,4-Trimethylbenzene	ug/L	24.704		25.000	1.000	U	99	%	71-131	
sec-Butylbenzene	ug/L	24.075		25.000	1.000	U	96	%	70-134	
p-Isopropyltoluene	ug/L	22.628		25.000	1.000	U	91	%	66-130	
n-Butylbenzene	ug/L	22.827		25.000	1.000	U	91	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.498		25.000	1.000	U	94	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.851		25.000	1.000	U	83	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K10DSA	241767-2		11/10/2005	1944

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 165312

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	17.056	17.134	25.000	1.000	U	68	%	24-171	
							1	R	20	
Chloromethane	ug/L	14.186	14.048	25.000	1.000	U	57	%	31-182	
							2	R	20	
Vinyl chloride	ug/L	18.535	18.451	25.000	1.000	U	74	%	50-145	
							0	R	20	
Bromomethane	ug/L	15.733	15.109	25.000	1.000	U	63	%	31-188	
							5	R	20	
Chloroethane	ug/L	19.838	20.265	25.000	1.000	U	79	%	58-148	
							2	R	20	
Trichlorofluoromethane	ug/L	19.284	20.951	25.000	1.000	U	77	%	54-142	
							9	R	20	
1,1-Dichloroethene	ug/L	19.906	19.629	25.000	1.000	U	80	%	51-136	
							1	R	20	
Carbon disulfide	ug/L	19.264	20.075	25.000	3.588	J	77	%	21-111	
							4	R	20	
Acetone	ug/L	24.368	21.920	25.000	5.000	U	97	%	14-177	
							10	R	20	
Methylene chloride	ug/L	20.968	21.326	25.000	1.000	U	84	%	64-127	
							1	R	20	
trans-1,2-Dichloroethene	ug/L	20.418	21.244	25.000	1.000	U	82	%	62-138	
							4	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.256	24.821	25.000	1.000	U	109	%	55-142	
							10	R	20	
1,1-Dichloroethane	ug/L	21.140	21.387	25.000	1.000	U	85	%	70-124	
							1	R	20	
2,2-Dichloropropane	ug/L	19.928	19.963	25.000	1.000	U	80	%	68-127	
							0	R	20	
cis-1,2-Dichloroethene	ug/L	23.495	23.637	25.000	0.998	J	94	%	70-125	
							1	R	20	
2-Butanone (MEK)	ug/L	21.637	25.144	25.000	5.000	U	87	%	29-139	
							15	R	20	
Bromochloromethane	ug/L	26.031	24.285	25.000	1.000	U	104	%	57-116	
							7	R	20	
Chloroform	ug/L	21.608	22.010	25.000	1.000	U	86	%	75-122	
							2	R	20	
1,1,1-Trichloroethane	ug/L	21.149	21.702	25.000	1.000	U	85	%	70-127	
							2	R	20	
1,1-Dichloropropene	ug/L	20.261	20.976	25.000	1.000	U	81	%	70-125	
							4	R	20	
Carbon tetrachloride	ug/L	20.920	20.425	25.000	1.000	U	84	%	64-132	
							2	R	20	
Benzene	ug/L	22.280	21.373	25.000	1.000	U	89	%	75-122	
							5	R	20	
1,2-Dichloroethane	ug/L	20.276	20.062	25.000	1.000	U	81	%	67-120	
							1	R	20	
Trichloroethene	ug/L	28.830	28.262	25.000	7.017		87	%	70-125	
							2	R	20	
1,2-Dichloropropane	ug/L	22.529	21.139	25.000	1.000	U	90	%	76-116	
							6	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767 — Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K10DSA	241767-2		11/10/2005	1944

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.572	21.393	25.000	1.000	U	86	%	68-116	
							0	R	20	
Bromodichloromethane	ug/L	23.962	22.884	25.000	1.000	U	96	%	75-125	
							4	R	20	
cis-1,3-Dichloropropene	ug/L	21.876	21.411	26.000	1.000	U	84	%	72-115	
							2	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	23.521	22.597	25.000	5.000	U	94	%	39-137	
							4	R	20	
Toluene	ug/L	24.307	23.221	25.000	1.000	U	97	%	77-120	
							4	R	20	
trans-1,3-Dichloropropene	ug/L	20.289	19.686	24.000	1.000	U	85	%	68-119	
							4	R	20	
1,1,2-Trichloroethane	ug/L	23.352	22.880	25.000	1.000	U	93	%	63-127	
							1	R	20	
Tetrachloroethene	ug/L	23.676	22.655	25.000	1.000	U	95	%	45-150	
							4	R	20	
1,3-Dichloropropane	ug/L	24.040	23.169	25.000	1.000	U	96	%	72-118	
							3	R	20	
2-Hexanone	ug/L	21.908	21.638	25.000	5.000	U	88	%	36-144	
							1	R	20	
Dibromochloromethane	ug/L	24.507	23.164	25.000	1.000	U	98	%	73-116	
							5	R	20	
1,2-Dibromoethane (EDB)	ug/L	22.758	22.095	25.000	1.000	U	91	%	62-123	
							3	R	20	
Chlorobenzene	ug/L	22.774	22.328	25.000	1.000	U	91	%	76-116	
							2	R	20	
1,1,1,2-Tetrachloroethane	ug/L	24.447	23.757	25.000	1.000	U	98	%	77-120	
							3	R	20	
Ethylbenzene	ug/L	24.410	23.703	25.000	1.000	U	98	%	75-125	
							3	R	20	
m&p-Xylenes	ug/L	48.056	46.196	50.000	2.000	U	96	%	75-123	
							4	R	20	
o-Xylene	ug/L	24.626	23.580	25.000	1.000	U	99	%	76-121	
							5	R	20	
Styrene	ug/L	23.924	20.468	25.000	1.000	U	96	%	77-128	
							16	R	20	
Bromoform	ug/L	23.929	23.322	25.000	1.000	U	96	%	65-115	
							3	R	20	
Isopropylbenzene	ug/L	22.770	22.048	25.000	1.000	U	91	%	64-119	
							3	R	20	
Bromobenzene	ug/L	24.868	24.053	25.000	1.000	U	99	%	76-118	
							3	R	20	
1,1,2,2-Tetrachloroethane	ug/L	25.613	25.667	25.000	1.000	U	102	%	61-122	
							1	R	20	
1,2,3-Trichloropropane	ug/L	24.065	23.415	25.000	1.000	U	96	%	62-124	
							2	R	20	
n-Propylbenzene	ug/L	25.578	24.301	25.000	1.000	U	102	%	69-132	
							5	R	20	
2-Chlorotoluene	ug/L	24.486	23.632	25.000	1.000	U	98	%	70-127	
							3	R	20	
1,3,5-Trimethylbenzene	ug/L	25.607	24.723	25.000	1.000	U	102	%	70-132	
							3	R	20	
4-Chlorotoluene	ug/L	23.315	22.454	25.000	1.000	U	93	%	70-126	
							3	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767 Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K10DSA	241767-2		11/10/2005	1944

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	26.576	25.389	25.000	1.000	U	106 4	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	25.986	24.704	25.000	1.000	U	104 5	% R	71-131 20	
sec-Butylbenzene	ug/L	25.676	24.075	25.000	1.000	U	103 7	% R	70-134 20	
p-Isopropyltoluene	ug/L	23.879	22.628	25.000	1.000	U	96 5	% R	66-130 20	
n-Butylbenzene	ug/L	25.004	22.827	25.000	1.000	U	100 9	% R	64-142 20	
1,2-Dibromo-3-chloropropane	ug/L	24.932	23.498	25.000	1.000	U	100 6	% R	57-119 20	
1,2,3-Trichlorobenzene	ug/L	23.938	20.851	25.000	1.000	U	96 15	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K10DSA	165341-030		11/11/2005	0133

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 165343

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Trichloroethene	ug/L	23.689		25.000	1.000 U	95	%	70-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241767

Report Date.: 11/11/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		165341-029		11/11/2005	0110

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 165343

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Trichloroethene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: 313 Ushers Rd
Ballston Lake, NY 12019
Phone: 518-877-7390
Fax: 518-877-7414
E-Mail: EEvans@HGL.com

Bill To:
Contact:
Company: Same
Address:
Phone:
Fax:
PO#: 0MA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 241767

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler: 3.1

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
(Yes) No NA	Yes No (NA)

Sample Labels and COC Agree: (Yes) No — COC not present

Sampler Name: Mike Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: 0MA009-001
Project Location: MCA Barracks
LabPM: Linda Mackey
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
								3	40ml	HCl				
								2	40ml	HCl				
								3	40ml	None				
1		MCA-GW039-38-1105	11-5-05	0750	W	G					X			24 HOUR TAT
2		MCA-GW033-15-1105		0905										
3		MCA-GW033-26-1105		1010										STD TAT
2		MCA-GW033MSD-1105		0945										
1		MCA-GW033MS-1105		0925										
		MCA-GW DUP08-1105		1103										
4		MCA-GW041-15-1105		1140								X		24 HOUR TAT
5		MCA-GW041-30-1105		1225										
		TB11/05		1600								X		STD TAT
		MCA-GWDUP109-1105		0729									X	
6		MCA-GW041-45-1105		1410										24 HOUR TAT
7		MCA-GW033-45-1105		1300										

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	11-7-05	1300		STL	11/8/05	0940
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS: Non-preserved & preserved VOC samples on C-O-C

Date Received 11, 8, 05
Courier: FX Hand Delivered ☐
Bill of Lading See attach

SEVERN TRENT STL®

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

November 4, 2005

Mr. Eric Evans
HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

RE: Hunter AAF
Revised Analytical Report
Job # 241151

Dear Mr. Evans:

The enclosed revised analytical report is for the project and job number listed above. As requested, sample 13 was reanalyzed, with similar results. If you have any questions, please contact me at 708-534-5200.

Sincerely,

Severn Trent Laboratories

Linda S. Mackley
Project Manager

kl

Enclosures

The results presented in this report relate only to the analytical testing and conditions of sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241151

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/03/2005

Linda S Mackley
Signature

11-3-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (86) Pages

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SAMPLE INFORMATION
Date: 11/03/2005

Job Number.: 241151
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241151-1	MCA-GW007-30-1005	Water	10/19/2005	11:00	10/20/2005	09:30
241151-2	MCA-GW007-39-1005	Water	10/19/2005	13:05	10/20/2005	09:30
241151-3	MCA-GW009-15-1005	Water	10/19/2005	13:45	10/20/2005	09:30
241151-4	MCA-GW009-30-1005	Water	10/19/2005	14:30	10/20/2005	09:30
241151-5	MCA-GWDUP102-1005	Water	10/19/2005	10:03	10/20/2005	09:30
241151-6	MCA-S0003-6-7-1005	Soil	10/19/2005	10:25	10/20/2005	09:30
241151-7	MCA-S0005-6-7-1005	Soil	10/19/2005	13:35	10/20/2005	09:30
241151-8	MCA-SODUP102-1005	Soil	10/19/2005	11:17	10/20/2005	09:30
241151-9	MCA-GW009-45-1005	Water	10/19/2005	15:00	10/20/2005	09:30
241151-10	TB101905	Water	10/19/2005	18:00	10/20/2005	09:30
241151-11	MCA-S00017-5-7-1005	Soil	10/19/2005	17:40	10/20/2005	09:30
241151-12	MCA-S0016-6-7-1005	Soil	10/19/2005	17:05	10/20/2005	09:30
241151-13	EB101905	Water	10/19/2005	18:05	10/20/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichloroethene	3.3			0.13	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon disulfide	1.0	J		0.15	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Acetone	12			1.4	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichloroethene	1.0			0.13	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	2.0	U		0.24	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloromethane	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Vinyl chloride	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromomethane	2.0	U	*	1.2	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroethane	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichlorofluoromethane	2.0	U		0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethene	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon disulfide	10	U		0.30	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Acetone	10	U		2.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methylene chloride	2.0	U	*	0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,2-Dichloroethene	5.7		*	0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methyl-tert-butyl-ether (MTBE)	2.0	U	*	0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethane	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2,2-Dichloropropane	2.0	U	*	0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,2-Dichloroethene	74			0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Butanone (MEK)	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromochloromethane	2.0	U	*	0.54	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroform	5.5		*	0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1-Trichloroethane	2.0	U		0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloropropene	2.0	U		0.76	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon tetrachloride	2.0	U		0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Benzene	2.0	U		0.46	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dichloroethane	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichloroethene	950			2.6	20	20.0000	ug/L	163960	D1	10/27/05 1432	jdn
	1,2-Dichloropropane	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromomethane	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromodichloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,3-Dichloropropene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	10	U		1.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Toluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,3-Dichloropropene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2-Trichloroethane	2.0	U		0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Tetrachloroethene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3-Dichloropropane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Hexanone	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromochloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dibromoethane (EDB)	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chlorobenzene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1,2-Tetrachloroethane	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Ethylbenzene	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	m&p-Xylenes	4.0	U		0.72	4.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	o-Xylene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Styrene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromoform	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Isopropylbenzene	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromobenzene	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2,2-Tetrachloroethane	2.0	U	*	0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichloropropane	2.0	U	*	0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Propylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Chlorotoluene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3,5-Trimethylbenzene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	4-Chlorotoluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	tert-Butylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,4-Trimethylbenzene	2.0	U		0.52	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	sec-Butylbenzene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	p-Isopropyltoluene	2.0	U		0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Butylbenzene	2.0	U		0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	2.0	U		0.82	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichlorobenzene	2.0	U		0.86	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethene	1.4			0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,2-Dichloroethene	7.5		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,2-Dichloroethene	110			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichloroethene	490			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Tetrachloroethene	5.8			0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,4-Trimethylbenzene	2.0			0.26	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethene	1.3			0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,2-Dichloroethene	3.9		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,2-Dichloroethene	130			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichloroethene	610			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Tetrachloroethene	5.1			0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,4-Trimethylbenzene	1.8			0.26	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	sec-Butylbenzene	0.40	J	a	0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.9			0.10	0.10	1	%	163280		10/20/05 1526	pfk
	% Moisture, Solid	6.1			0.10	0.10	1	%	163280		10/20/05 1526	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035	U		0.0065	0.035	1	mg/Kg	163415		10/21/05 1447	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.85	U		0.31	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Barium, Solid*	8.5			0.061	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1737	tds
	Chromium, Solid*	3.3			0.085	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Lead, Solid*	4.8			0.21	0.42	1	mg/Kg	163565		10/24/05 1737	tds
	Selenium, Solid*	0.85	U		0.38	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Silver, Solid*	0.42	U		0.085	0.42	1	mg/Kg	163565		10/24/05 1737	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloromethane, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Vinyl chloride, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromomethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichlorofluoromethane, Solid*	5.9	U	*	1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloroethene, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon disulfide, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Acetone, Solid*	5.9	U	*	5.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methylene chloride, Solid*	5.9	U		1.9	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,2-Dichloroethene, Solid*	5.9	U		0.91	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.9	U		0.70	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2,2-Dichloropropane, Solid*	5.9	U	*	1.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,2-Dichloroethene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Butanone (MEK), Solid*	5.9	U	*	2.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromochloromethane, Solid*	5.9	U		0.88	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroform, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1-Trichloroethane, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloropropene, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon tetrachloride, Solid*	5.9	U		0.86	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Benzene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloroethane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichloroethene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloropropane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromomethane, Solid*	5.9	U		0.94	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromodichloromethane, Solid*	5.9	U		0.67	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,3-Dichloropropene, Solid*	5.9	U		0.68	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Toluene, Solid*	5.9	U		2.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,3-Dichloropropene, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2-Trichloroethane, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Tetrachloroethene, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3-Dichloropropane, Solid*	5.9	U		0.72	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Hexanone, Solid*	5.9	U	*	1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromochloromethane, Solid*	5.9	U		0.77	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromoethane (EDB), Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chlorobenzene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Ethylbenzene, Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	m&p-Xylenes, Solid*	12	U		1.4	12	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Styrene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromoform, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Isopropylbenzene, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromobenzene, Solid*	5.9	U		0.58	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.9	U		0.84	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichloropropane, Solid*	5.9	U		1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Propylbenzene, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Chlorotoluene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3,5-Trimethylbenzene, Solid*	5.9	U		0.95	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Chlorotoluene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	tert-Butylbenzene, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,4-Trimethylbenzene, Solid*	5.9	U		1.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	sec-Butylbenzene, Solid*	5.9	U		0.99	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	p-Isopropyltoluene, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Butylbenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.9	U		1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichlorobenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.3			0.10	0.10	1	%	163280		10/20/05 1528	pfk
	% Moisture, Solid	3.7			0.10	0.10	1	%	163280		10/20/05 1528	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0063	0.034	1	mg/Kg	163415		10/21/05 1453	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.83	U		0.31	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Barium, Solid*	2.6			0.060	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Cadmium, Solid*	0.17	U		0.048	0.17	1	mg/Kg	163565		10/24/05 1741	tds
	Chromium, Solid*	1.3			0.083	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Lead, Solid*	1.6			0.21	0.41	1	mg/Kg	163565		10/24/05 1741	tds
	Selenium, Solid*	0.83	U		0.37	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Silver, Solid*	0.41	U		0.083	0.41	1	mg/Kg	163565		10/24/05 1741	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloromethane, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Vinyl chloride, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromomethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichlorofluoromethane, Solid*	5.7	U	*	1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloroethene, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon disulfide, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Acetone, Solid*	5.7	U	*	4.9	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methylene chloride, Solid*	5.7	U		1.8	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,2-Dichloroethene, Solid*	5.7	U		0.88	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.7	U		0.68	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2,2-Dichloropropane, Solid*	5.7	U	*	1.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,2-Dichloroethene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Butanone (MEK), Solid*	5.7	U	*	2.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromochloromethane, Solid*	5.7	U		0.86	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroform, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1-Trichloroethane, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloropropene, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon tetrachloride, Solid*	5.7	U		0.84	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Benzene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloroethane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichloroethene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloropropane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromomethane, Solid*	5.7	U		0.92	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromodichloromethane, Solid*	5.7	U		0.65	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,3-Dichloropropene, Solid*	5.7	U		0.67	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Toluene, Solid*	5.7	U		2.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,3-Dichloropropene, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2-Trichloroethane, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Tetrachloroethene, Solid*	5.7	U		1.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3-Dichloropropane, Solid*	5.7	U		0.70	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Hexanone, Solid*	5.7	U	*	1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromochloromethane, Solid*	5.7	U		0.75	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromoethane (EDB), Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chlorobenzene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Ethylbenzene, Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	m&p-Xylenes, Solid*	11	U		1.4	11	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Styrene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromoform, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Isopropylbenzene, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromobenzene, Solid*	5.7	U		0.56	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.7	U		0.82	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichloropropane, Solid*	5.7	U		1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Propylbenzene, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Chlorotoluene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3,5-Trimethylbenzene, Solid*	5.7	U		0.93	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Chlorotoluene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	tert-Butylbenzene, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,4-Trimethylbenzene, Solid*	5.7	U		0.98	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	sec-Butylbenzene, Solid*	5.7	U		0.96	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	p-Isopropyltoluene, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Butylbenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.7	U		1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichlorobenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.8			0.10	0.10	1	%	163280		10/20/05 1529	pfk
	% Moisture, Solid	4.2			0.10	0.10	1	%	163280		10/20/05 1529	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0064	0.034	1	mg/Kg	163415		10/21/05 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.84	U		0.31	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Barium, Solid*	3.4			0.061	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1746	tds
	Chromium, Solid*	1.3			0.084	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Lead, Solid*	1.5			0.21	0.42	1	mg/Kg	163565		10/24/05 1746	tds
	Selenium, Solid*	0.84	U		0.38	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Silver, Solid*	0.42	U		0.084	0.42	1	mg/Kg	163565		10/24/05 1746	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloromethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Vinyl chloride, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromomethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichlorofluoromethane, Solid*	6.1	U	*	1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon disulfide, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Acetone, Solid*	6.1	U	*	5.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methylene chloride, Solid*	6.1	U		2.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,2-Dichloroethene, Solid*	6.1	U		0.94	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	6.1	U		0.72	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2,2-Dichloropropane, Solid*	6.1	U	*	1.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,2-Dichloroethene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Butanone (MEK), Solid*	6.1	U	*	2.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromochloromethane, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroform, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1-Trichloroethane, Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloropropene, Solid*	7.3			0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon tetrachloride, Solid*	6.1	U		0.89	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Benzene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloroethane, Solid*	5.8	J	a	0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichloroethene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloropropane, Solid*	47			0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromomethane, Solid*	6.1	U		0.98	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromodichloromethane, Solid*	6.1	U		0.70	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,3-Dichloropropene, Solid*	6.1	U		0.71	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Toluene, Solid*	6.1	U		2.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2-Trichloroethane, Solid*	13			1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Tetrachloroethene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3-Dichloropropane, Solid*	6.1	U		0.74	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Hexanone, Solid*	6.1	U	*	1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromochloromethane, Solid*	6.1	U		0.79	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chlorobenzene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Ethylbenzene, Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Styrene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromoform, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Isopropylbenzene, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromobenzene, Solid*	6.1	U		0.60	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichloropropane, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Propylbenzene, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Chlorotoluene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3,5-Trimethylbenzene, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Chlorotoluene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	tert-Butylbenzene, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,4-Trimethylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	sec-Butylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	p-Isopropyltoluene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Butylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,2-Dichloroethene	13			0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichloroethene	13			0.13	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	200	U		53	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,3-Dichlorobenzene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,4-Dichlorobenzene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2-Dichlorobenzene, Low Level Soil*	200	U		59	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzyl alcohol, Low Level Soil*	400	U		180	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	200	U		43	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	200	U		52	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachloroethane, Low Level Soil*	200	U		63	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	200	U		110	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chlorophenol, Low Level Soil*	200	U		48	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Nitrobenzene, Low Level Soil*	40	U		16	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	200	U		46	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	200	U		61	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzoic acid, Low Level Soil*	2000	U		410	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Isophorone, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dimethylphenol, Low Level Soil*	400	U		69	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobutadiene, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Naphthalene, Low Level Soil*	40	U		9.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dichlorophenol, Low Level Soil*	400	U		66	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chloroaniline, Low Level Soil*	810	U		190	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	400	U		53	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	400	U		89	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylnaphthalene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitroaniline, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chloronaphthalene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	400	U		90	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,6-Dinitrotoluene, Low Level Soil*	200	U		47	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitrophenol, Low Level Soil*	400	U		110	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3-Nitroaniline, Low Level Soil*	400	U		73	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dimethyl phthalate, Low Level Soil*	200	U		19	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrophenol, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthylene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrotoluene, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthene, Low Level Soil*	40	U		7.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzofuran, Low Level Soil*	200	U		26	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitrophenol, Low Level Soil*	810	U		310	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluorene, Low Level Soil*	40	U		9.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitroaniline, Low Level Soil*	400	U		83	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobenzene, Low Level Soil*	81	U		30	81	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Diethyl phthalate, Low Level Soil*	200	U		22	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pentachlorophenol, Low Level Soil*	810	U		250	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	400	U		64	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Phenanthrene, Low Level Soil*	40	U		6.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Anthracene, Low Level Soil*	40	U		4.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Carbazole, Low Level Soil*	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-butyl phthalate, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzidine, Low Level Soil*	2000	U		2000	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluoranthene, Low Level Soil*	40	U		7.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pyrene, Low Level Soil*	40	U		9.0	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Butyl benzyl phthalate, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)anthracene, Low Level Soil*	40	U		8.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	810	U		170	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	200	U		96	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-octyl phthalate, Low Level Soil*	200	U		36	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(b)fluoranthene, Low Level Soil*	40	U		7.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(k)fluoranthene, Low Level Soil*	40	U		12	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)pyrene, Low Level Soil*	40	U		6.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	40	U		13	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	40	U		8.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(ghi)perylene, Low Level Soil*	40	U		8.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	163280		10/20/05 1530	pfk
	% Moisture, Solid	18.6			0.10	0.10	1	%	163280		10/20/05 1530	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.026	B		0.0075	0.041	1	mg/Kg	163415		10/21/05 1457	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.1			0.35	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Barium, Solid*	97			0.068	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Cadmium, Solid*	0.19	B		0.055	0.19	1	mg/Kg	163565		10/24/05 1811	tds
	Chromium, Solid*	4.1			0.095	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Lead, Solid*	6.8			0.24	0.48	1	mg/Kg	163565		10/24/05 1811	tds
	Selenium, Solid*	0.83	B		0.43	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Silver, Solid*	0.20	B		0.095	0.48	1	mg/Kg	163565		10/24/05 1811	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	360	U		94	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,3-Dichlorobenzene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,4-Dichlorobenzene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2-Dichlorobenzene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzyl alcohol, Low Level Soil*	700	U		320	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	360	U		77	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	360	U		92	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachloroethane, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	360	U		190	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chlorophenol, Low Level Soil*	360	U		85	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Nitrobenzene, Low Level Soil*	70	U		28	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	360	U		81	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzoic acid, Low Level Soil*	3600	U		730	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Isophorone, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dimethylphenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobutadiene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Naphthalene, Low Level Soil*	70	U		17	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dichlorophenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chloroaniline, Low Level Soil*	1400	U		330	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	700	U		94	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	1400	U		560	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylnaphthalene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitroaniline, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chloronaphthalene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,6-Dinitrotoluene, Low Level Soil*	360	U		83	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitrophenol, Low Level Soil*	700	U		200	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3-Nitroaniline, Low Level Soil*	700	U		130	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dimethyl phthalate, Low Level Soil*	360	U		34	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrophenol, Low Level Soil*	1400	U		570	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthylene, Low Level Soil*	140			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrotoluene, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthene, Low Level Soil*	70	U		14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzofuran, Low Level Soil*	360	U		47	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitrophenol, Low Level Soil*	1400	U		550	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluorene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitroaniline, Low Level Soil*	700	U		150	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobenzene, Low Level Soil*	140	U		53	140	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Diethyl phthalate, Low Level Soil*	360	U		38	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pentachlorophenol, Low Level Soil*	1400	U		440	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	700	U		110	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Phenanthrene, Low Level Soil*	180			11	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Anthracene, Low Level Soil*	140			7.7	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Carbazole, Low Level Soil*	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-butyl phthalate, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzidine, Low Level Soil*	3600	U		3600	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluoranthene, Low Level Soil*	590			13	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pyrene, Low Level Soil*	830			16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Butyl benzyl phthalate, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)anthracene, Low Level Soil*	500		H	16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	500			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	1400	U		300	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	360	U		170	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-octyl phthalate, Low Level Soil*	360	U		64	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(b)fluoranthene, Low Level Soil*	510			14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(k)fluoranthene, Low Level Soil*	570		M	22	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)pyrene, Low Level Soil*	1100		M	12	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	70	U		23	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	70	U		15	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(ghi)perylene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
Method	% Solids Determination											
	% Solids, Solid	91.1			0.10	0.10	1	%	163280		10/20/05 1533	pfk
	% Moisture, Solid	8.9			0.10	0.10	1	%	163280		10/20/05 1533	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.013	B		0.0067	0.036	1	mg/Kg	163415		10/21/05 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.87	U		0.32	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Barium, Solid*	11			0.063	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Cadmium, Solid*	0.051	B		0.051	0.17	1	mg/Kg	163565		10/24/05 1833	tds
	Chromium, Solid*	3.6			0.087	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Lead, Solid*	3.3			0.22	0.44	1	mg/Kg	163565		10/24/05 1833	tds
	Selenium, Solid*	0.87	U		0.39	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Silver, Solid*	0.11	B		0.087	0.44	1	mg/Kg	163565		10/24/05 1833	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Acetone	6.4			1.4	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Acetone	4.9	J		1.4	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Methylene chloride	1.9		*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methylene chloride	1.8			0.24	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	m&p-Xylenes	2.9			0.36	2.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	m&p-Xylenes	2.8			0.36	2.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164560	R1	11/03/05 0945	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241151-1 Client ID: MCA-GW007-30-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1319	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163960	163893	10/27/2005	1319	1.00000

Lab ID: 241151-2 Client ID: MCA-GW007-39-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1343	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1343	1.00000

Lab ID: 241151-3 Client ID: MCA-GW009-15-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1408	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1432	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1408	2.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1432	20.0000

Lab ID: 241151-4 Client ID: MCA-GW009-30-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1456	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1520	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1456	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1520	10.0000

Lab ID: 241151-5 Client ID: MCA-GWDUP102-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1544	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1608	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1544	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1608	10.0000

Lab ID: 241151-6 Client ID: MCA-S0003-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1526	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1200	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0558	
5035	5035 Preservation Low	2	163307		10/21/2005	0555	
5035	5035 Preservation Low	2	163307		10/21/2005	0558	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1447	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1737	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1200	1.00000

Lab ID: 241151-7 Client ID: MCA-S0005-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1528	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1136	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0600	
5035	5035 Preservation Low	1	163307		10/21/2005	0602	
5035	5035 Preservation Low	2	163307		10/21/2005	0600	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1453	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1741	

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LABORATORY CHRONICLE

Job Number: 241151 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241151-7 Client ID: MCA-S0005-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1136	1.00000

Lab ID: 241151-8 Client ID: MCA-S0DUP102-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1529	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1111	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0605	
5035	5035 Preservation Low	1	163307		10/21/2005	0605	
5035	5035 Preservation Low	1	163307		10/21/2005	0607	
5035	5035 Preservation Low	2	163307		10/21/2005	0605	
5035	5035 Preservation Low	2	163307		10/21/2005	0607	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1455	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1746	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1111	1.00000

Lab ID: 241151-9 Client ID: MCA-GW009-45-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1632	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1632	1.00000

Lab ID: 241151-10 Client ID: TB101905 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1656	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1656	1.00000

Lab ID: 241151-11 Client ID: MCA-S0017-5-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1530	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1457	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1811	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/26/2005	2238	1.00000

Lab ID: 241151-12 Client ID: MCA-S0016-6-7-1005 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1533	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1506	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1833	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1605	2.00000

Lab ID: 241151-13 Client ID: EB101905 Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1721	
5030B	5030 10 mL Purge Prep	2	164556		11/03/2005	0945	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1721	1.00000
8260B	Volatile Organics	2	164560	164556	11/03/2005	0945	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 163307
Method Code...: 8260B Batch(s).....: 164085

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			10/28/2005	95	88	92	91
241151- 6		MCA-S0003-6-7-1005	10/28/2005	94	87	91	92
241151- 7		MCA-S0005-6-7-1005	10/28/2005	89	83	85	91
241151- 8		MCA-SODUP102-1005	10/28/2005	91	84	86	91

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 163893
Method Code...: 8260B Batch(s).....: 163960

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/27/2005	85	95	98	97
LCS			10/27/2005	89	96	107	97
MB			10/27/2005	98	90	100	94
241151- 1		MCA-GW007-30-1005	10/27/2005	91	91	99	96
241151- 2		MCA-GW007-39-1005	10/27/2005	91	92	99	98
241151- 3		MCA-GW009-15-1005	10/27/2005	89	91	101	97
241151- 3	D1	MCA-GW009-15-1005	10/27/2005	91	90	101	97
241151- 4		MCA-GW009-30-1005	10/27/2005	89	88	109	95
241151- 4	D1	MCA-GW009-30-1005	10/27/2005	89	90	96	96
241151- 5		MCA-GWDUP102-1005	10/27/2005	92	86	106	94
241151- 5	D1	MCA-GWDUP102-1005	10/27/2005	90	89	100	97
241151- 9		MCA-GW009-45-1005	10/27/2005	90	88	102	96
241151- 10		TB101905	10/27/2005	93	91	102	97
241151- 13		EB101905	10/27/2005	93	90	102	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164055
Method Code...: 8260B Batch(s).....: 164085

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	80	78*	84	88
LCS			10/28/2005	83	82	87	90
MB			10/28/2005	87	87	88	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164055
Method Code...: 8260B Batch(s).....: 164085

Test	Test Description	Limits
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164556
Method Code...: 8260B Batch(s).....: 164560

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	92	104	110	101
MB			11/03/2005	99	97	108	101
241151- 13	R1	EB101905	11/03/2005	106	99	116*	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Semivolatile Organics Test Matrix...: Low Level Soil Prep Batch..: 163290
Method Code...: 8270 Batch(s).....: 164092

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/26/2005	87	77	86	76	83	80
MB			10/28/2005	76	71	78	73	78	81
241151- 11		MCA-S00017-5-7-1005	10/26/2005	77	64	79	69	77	69
241151- 11	MS	MCA-S00017-5-7-1005	10/26/2005	87	71	75	68	76	79
241151- 11	MSD	MCA-S00017-5-7-1005	10/26/2005	83	71	78	70	76	80
241151- 12		MCA-S0016-6-7-1005	10/28/2005	99	86	90	88	91	116

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	20 - 150
2FLUBP	2-Fluorobiphenyl (surr)	41 - 108
2FLUPH	2-Fluorophenol (surr)	35 - 118
NITRD5	Nitrobenzene-d5 (surr)	22 - 108
PHEND5	Phenol-d5 (surr)	21 - 129
TERD14	Terphenyl-d14 (surr)	37 - 137

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1629.550		1667.000	167.000 U	98	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1388.983		1667.000	167.000 U	83	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1261.034		1667.000	167.000 U	76	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1136.285		1667.000	167.000 U	68	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1262.924		1667.000	167.000 U	76	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1415.003		1667.000	330.000 U	85	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1335.777		1667.000	167.000 U	80	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1229.388		1667.000	167.000 U	74	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1322.107		1667.000	167.000 U	79	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1285.907		1667.000	167.000 U	77	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1439.356		1667.000	167.000 U	86	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1403.926		1667.000	167.000 U	84	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1309.770		1667.000	33.000 U	79	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1362.696		1667.000	167.000 U	82	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1305.254		1667.000	167.000 U	78	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1332.830	J	1667.000	1670.000 U	80	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1355.830		1667.000	167.000 U	81	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1393.503		1667.000	330.000 U	84	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1347.877		1667.000	167.000 U	81	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1270.911		1667.000	33.000 U	76	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1403.849		1667.000	330.000 U	84	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1290.187		1667.000	670.000 U	77	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1457.312		1667.000	330.000 U	87	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1511.555		1667.000	330.000 U	91	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1156.852		1667.000	670.000 U	69	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1276.741		1667.000	167.000 U	77	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1404.356		1667.000	167.000 U	84	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1323.370		1667.000	167.000 U	79	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1470.685		1667.000	330.000 U	88	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1507.452		1667.000	167.000 U	90	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1419.409		1667.000	330.000 U	85	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1442.719		1667.000	330.000 U	87	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1441.349		1667.000	167.000 U	86	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1394.829		1667.000	670.000 U	84	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1335.387		1667.000	33.000 U	80	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1381.416		1667.000	167.000 U	83	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1265.201		1667.000	33.000 U	76	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1365.380		1667.000	167.000 U	82	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1330.563		1667.000	670.000 U	80	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1311.290		1667.000	33.000 U	79	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1372.830		1667.000	330.000 U	82	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1289.567		1667.000	167.000 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1374.746		1667.000	67.000 U	82	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1453.042		1667.000	167.000 U	87	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1399.956		1667.000	167.000 U	84	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1170.815		1667.000	670.000 U	70	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1326.700		1667.000	167.000 U	80	%	63-108	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1609.557		1667.000	330.000 U	97	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1391.923		1667.000	33.000 U	84	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1283.137		1667.000	33.000 U	77	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1381.293		1667.000	167.000 U	83	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1442.292		1667.000	167.000 U	87	%	51-130	
Benzidine, Low Level Soil	ug/Kg	1271.504	J	1670.000	1670.000 U	76	%	10-100	
Fluoranthene, Low Level Soil	ug/Kg	1313.507		1667.000	33.000 U	79	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1372.540		1667.000	33.000 U	82	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1485.928		1667.000	167.000 U	89	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1335.093		1667.000	33.000 U	80	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1351.173		1667.000	33.000 U	81	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	1398.699		1667.000	670.000 U	84	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1501.892		1667.000	167.000 U	90	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1547.025		1667.000	167.000 U	93	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1601.161		1667.000	33.000 U	96	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1255.254		1667.000	33.000 U	75	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1391.686		1667.000	33.000 U	84	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1402.539		1667.000	33.000 U	84	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1425.516		1667.000	33.000 U	86	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1370.210		1667.000	33.000 U	82	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	167.000	U							
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzyl alcohol, Low Level Soil	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), Low Level S	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	167.000	U							
Hexachloroethane, Low Level Soil	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	167.000	U							
2-Chlorophenol, Low Level Soil	ug/Kg	167.000	U							
Nitrobenzene, Low Level Soil	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzoic acid, Low Level Soil	ug/Kg	1670.000	U							
Isophorone, Low Level Soil	ug/Kg	167.000	U							
2,4-Dimethylphenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorobutadiene, Low Level Soil	ug/Kg	167.000	U							
Naphthalene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dichlorophenol, Low Level Soil	ug/Kg	330.000	U							
4-Chloroaniline, Low Level Soil	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, Low Level S	ug/Kg	670.000	U							
2-Methylnaphthalene, Low Level Soil	ug/Kg	167.000	U							
2-Nitroaniline, Low Level Soil	ug/Kg	167.000	U							
2-Chloronaphthalene, Low Level Soil	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	330.000	U							
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
2-Nitrophenol, Low Level Soil	ug/Kg	330.000	U							
3-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
Dimethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
2,4-Dinitrophenol, Low Level Soil	ug/Kg	670.000	U							
Acenaphthylene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
Acenaphthene, Low Level Soil	ug/Kg	33.000	U							
Dibenzofuran, Low Level Soil	ug/Kg	167.000	U							
4-Nitrophenol, Low Level Soil	ug/Kg	670.000	U							
Fluorene, Low Level Soil	ug/Kg	33.000	U							
4-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Hexachlorobenzene, Low Level Soil	ug/Kg	67.000	U							
Diethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Pentachlorophenol, Low Level Soil	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	330.000	U							
Phenanthrene, Low Level Soil	ug/Kg	33.000	U							
Anthracene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	167.000	U							
Di-n-butyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzidine, Low Level Soil	ug/Kg	1670.000	U							
Fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Pyrene, Low Level Soil	ug/Kg	33.000	U							
Butyl benzyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(a)anthracene, Low Level Soil	ug/Kg	33.000	U							
Chrysene, Low Level Soil	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	670.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	167.000	U							
Di-n-octyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(a)pyrene, Low Level Soil	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	33.000	U							
Benzo(ghi)perylene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1776.785		2027.000	203.108 U	88	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1400.582		2027.000	203.108 U	69	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1308.347		2027.000	203.108 U	65	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1330.524		2027.000	203.108 U	66	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1362.654		2027.000	203.108 U	67	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1595.294		2027.000	401.351 U	79	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1538.189		2027.000	203.108 U	76	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1313.723		2027.000	203.108 U	65	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1448.167		2027.000	203.108 U	71	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1310.743		2027.000	203.108 U	65	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1662.149		2027.000	203.108 U	82	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1555.315		2027.000	203.108 U	77	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1428.687		2027.000	40.135 U	70	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1510.596		2027.000	203.108 U	75	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1446.153		2027.000	203.108 U	71	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1548.183	J	2027.000	2031.081 U	76	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1517.439		2027.000	203.108 U	75	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1651.596		2027.000	401.351 U	81	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1449.112		2027.000	203.108 U	71	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1393.722		2027.000	40.135 U	69	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1633.887		2027.000	401.351 U	81	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1302.586		2027.000	814.865 U	64	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1706.641		2027.000	401.351 U	84	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1631.548		2027.000	401.351 U	80	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1165.315		2027.000	814.865 U	57	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1438.830		2027.000	203.108 U	71	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1620.037		2027.000	203.108 U	80	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1504.453		2027.000	203.108 U	74	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1737.162		2027.000	401.351 U	86	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1726.163		2027.000	203.108 U	85	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1568.560		2027.000	401.351 U	77	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1517.468		2027.000	401.351 U	75	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1675.898		2027.000	203.108 U	83	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1668.888		2027.000	814.865 U	82	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1519.203		2027.000	40.135 U	75	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1592.549		2027.000	203.108 U	79	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1459.426		2027.000	40.135 U	72	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1583.707		2027.000	203.108 U	78	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1600.998		2027.000	814.865 U	79	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1530.218		2027.000	40.135 U	75	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1354.586		2027.000	401.351 U	67	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1569.772		2027.000	203.108 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1552.959		2027.000	81.486 U	77	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1695.224		2027.000	203.108 U	84	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1660.556		2027.000	203.108 U	82	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1365.346		2027.000	814.865 U	67	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1192.743		2027.000	203.108 U	59	%	63-108	*
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1451.711		2027.000	401.351 U	72	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1605.827		2027.000	40.135 U	79	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1461.680		2027.000	40.135 U	72	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1481.887		2027.000	203.108 U	73	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1585.633		2027.000	203.108 U	78	%	51-130	
Benzidine, Low Level Soil	ug/Kg	2031.081	U	2031.000	2031.081 U	0	%	10-100	*
Fluoranthene, Low Level Soil	ug/Kg	1506.339		2027.000	40.135 U	74	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1609.553		2027.000	40.135 U	79	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1719.283		2027.000	203.108 U	85	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1567.429		2027.000	40.135 U	77	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1552.813		2027.000	40.135 U	77	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	810.876	J	2027.000	814.865 U	40	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1730.282		2027.000	48.846 J	85	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1672.991		2027.000	203.108 U	83	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1852.608		2027.000	40.135 U	91	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1400.667		2027.000	40.135 U	69	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1540.403		2027.000	40.135 U	76	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1380.716		2027.000	40.135 U	68	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1422.021		2027.000	40.135 U	70	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1264.593		2027.000	40.135 U	62	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWL8LKB	241151-11		10/26/2005	2318

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164092

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1812.244	1776.785		2047.000	205.160	U	89	%	34-119	
								1	R	20	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1426.595	1400.582		2047.000	205.160	U	70	%	42-101	
								1	R	20	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1298.633	1308.347		2047.000	205.160	U	63	%	48-100	
								3	R	20	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1350.643	1330.524		2047.000	205.160	U	66	%	50-100	
								0	R	20	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1350.099	1362.654		2047.000	205.160	U	66	%	49-104	
								2	R	20	
Benzyl alcohol, Low Level Soil	ug/Kg	1594.198	1595.294		2047.000	405.405	U	78	%	14-150	
								1	R	20	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1554.939	1538.189		2047.000	205.160	U	76	%	36-110	
								0	R	20	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1328.252	1313.723		2047.000	205.160	U	65	%	48-100	
								0	R	20	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1476.604	1448.167		2047.000	205.160	U	72	%	49-138	
								1	R	20	
Hexachloroethane, Low Level Soil	ug/Kg	1295.423	1310.743		2047.000	205.160	U	63	%	46-100	
								3	R	20	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1679.050	1662.149		2047.000	205.160	U	82	%	33-114	
								0	R	20	
2-Chlorophenol, Low Level Soil	ug/Kg	1572.569	1555.315		2047.000	205.160	U	77	%	52-103	
								0	R	20	
Nitrobenzene, Low Level Soil	ug/Kg	1504.468	1428.687		2047.000	40.541	U	74	%	50-100	
								6	R	20	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1580.301	1510.596		2047.000	205.160	U	77	%	55-116	
								3	R	20	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1491.602	1446.153		2047.000	205.160	U	73	%	53-107	
								3	R	20	
Benzoic acid, Low Level Soil	ug/Kg	2409.748	1548.183	J	2047.000	2051.597	U	118	%	40-143	
								43	R	20	*
Isophorone, Low Level Soil	ug/Kg	1608.697	1517.439		2047.000	205.160	U	79	%	52-116	
								5	R	20	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1710.397	1651.596		2047.000	405.405	U	84	%	11-115	
								4	R	20	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1505.606	1449.112		2047.000	205.160	U	74	%	52-118	
								4	R	20	
Naphthalene, Low Level Soil	ug/Kg	1473.788	1393.722		2047.000	40.541	U	72	%	49-100	
								4	R	20	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1712.673	1633.887		2047.000	405.405	U	84	%	58-103	
								4	R	20	
4-Chloroaniline, Low Level Soil	ug/Kg	1421.466	1302.586		2047.000	823.096	U	69	%	15-114	
								8	R	20	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1822.481	1706.641		2047.000	405.405	U	89	%	57-105	
								6	R	20	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1691.317	1631.548		2047.000	405.405	U	83	%	62-118	
								4	R	20	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1037.918	1165.315		2047.000	823.096	U	51	%	32-100	
								11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
2-Methylnaphthalene, Low Level Soil	ug/Kg	1504.042	1438.830	2047.000	205.160	U	73	%	30-115	
							3	R	20	
2-Nitroaniline, Low Level Soil	ug/Kg	1654.817	1620.037	2047.000	205.160	U	81	%	55-106	
							1	R	20	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1522.826	1504.453	2047.000	205.160	U	74	%	59-114	
							0	R	20	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1794.654	1737.162	2047.000	405.405	U	88	%	56-110	
							2	R	20	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1760.332	1726.163	2047.000	205.160	U	86	%	62-111	
							1	R	20	
2-Nitrophenol, Low Level Soil	ug/Kg	1674.858	1568.560	2047.000	405.405	U	82	%	53-102	
							6	R	20	
3-Nitroaniline, Low Level Soil	ug/Kg	1582.475	1517.468	2047.000	405.405	U	77	%	28-100	
							3	R	20	
Dimethyl phthalate, Low Level Soil	ug/Kg	1711.338	1675.898	2047.000	205.160	U	84	%	63-105	
							1	R	20	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1460.607	1668.888	2047.000	823.096	U	71	%	44-139	
							14	R	20	
Acenaphthylene, Low Level Soil	ug/Kg	1542.495	1519.203	2047.000	40.541	U	75	%	50-103	
							0	R	20	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1634.935	1592.549	2047.000	205.160	U	80	%	61-113	
							1	R	20	
Acenaphthene, Low Level Soil	ug/Kg	1490.227	1459.426	2047.000	40.541	U	73	%	51-100	
							1	R	20	
Dibenzofuran, Low Level Soil	ug/Kg	1604.542	1583.707	2047.000	205.160	U	78	%	49-103	
							0	R	20	
4-Nitrophenol, Low Level Soil	ug/Kg	1578.541	1600.998	2047.000	823.096	U	77	%	45-129	
							3	R	20	
Fluorene, Low Level Soil	ug/Kg	1547.820	1530.218	2047.000	40.541	U	76	%	51-109	
							1	R	20	
4-Nitroaniline, Low Level Soil	ug/Kg	1375.842	1354.586	2047.000	405.405	U	67	%	32-111	
							0	R	20	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1627.146	1569.772	2047.000	205.160	U	80	%	62-108	
							4	R	20	
Hexachlorobenzene, Low Level Soil	ug/Kg	1710.274	1552.959	2047.000	82.310	U	84	%	62-105	
							9	R	20	
Diethyl phthalate, Low Level Soil	ug/Kg	1529.232	1695.224	2047.000	205.160	U	75	%	62-110	
							11	R	20	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1587.297	1660.556	2047.000	205.160	U	78	%	62-106	
							5	R	20	
Pentachlorophenol, Low Level Soil	ug/Kg	1738.584	1365.346	2047.000	823.096	U	85	%	43-122	
							24	R	20	*
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1470.239	1192.743	2047.000	205.160	U	72	%	63-108	
							20	R	20	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1586.515	1451.711	2047.000	405.405	U	78	%	67-130	
							8	R	20	
Phenanthrene, Low Level Soil	ug/Kg	1508.655	1605.827	2047.000	40.541	U	74	%	50-110	
							7	R	20	
Anthracene, Low Level Soil	ug/Kg	1583.588	1461.680	2047.000	40.541	U	77	%	51-110	
							7	R	20	
Carbazole, Low Level Soil	ug/Kg	1632.987	1481.887	2047.000	205.160	U	80	%	49-131	
							9	R	20	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1827.291	1585.633	2047.000	205.160	U	89	%	51-130	
							13	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Benzidine, Low Level Soil	ug/Kg	2051.597	U	2051.597	U	2052.000	2051.597	U	0	%	10-100	*
									0	R	20	
Fluoranthene, Low Level Soil	ug/Kg	1679.451		1506.339		2047.000	40.541	U	82	%	55-122	
									10	R	20	
Pyrene, Low Level Soil	ug/Kg	1637.580		1609.553		2047.000	40.541	U	80	%	41-121	
									1	R	20	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1717.867		1719.283		2047.000	205.160	U	84	%	56-113	
									1	R	20	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1573.302		1567.429		2047.000	40.541	U	77	%	49-119	
									0	R	20	
Chrysene, Low Level Soil	ug/Kg	1589.417		1552.813		2047.000	40.541	U	78	%	39-124	
									1	R	20	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	905.825		810.876	J	2047.000	823.096	U	44	%	22-106	
									10	R	20	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1798.199		1730.282		2047.000	48.846	J	88	%	49-144	
									3	R	20	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1818.863		1672.991		2047.000	205.160	U	89	%	45-130	
									7	R	20	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1743.144		1852.608		2047.000	40.541	U	85	%	44-132	
									7	R	20	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1665.451		1400.667		2047.000	40.541	U	81	%	43-141	
									16	R	20	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1575.606		1540.403		2047.000	40.541	U	77	%	45-129	
									1	R	20	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1470.366		1380.716		2047.000	40.541	U	72	%	36-138	
									6	R	20	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1512.294		1422.021		2047.000	40.541	U	74	%	30-144	
									6	R	20	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1369.411		1264.593		2047.000	40.541	U	67	%	41-129	
									8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163960

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.192	12.075	25.000	1.000 U	49	%	24-171	
						1	R	20	
Chloromethane	ug/L	20.912	22.378	25.000	1.000 U	84	%	31-182	
						7	R	20	
Vinyl chloride	ug/L	22.414	23.798	25.000	1.000 U	90	%	50-145	
						6	R	20	
Bromomethane	ug/L	24.447	32.127	25.000	1.000 U	98	%	31-188	
						27	R	20	*
Chloroethane	ug/L	30.409	31.840	25.000	1.000 U	122	%	58-148	
						5	R	20	
Trichlorofluoromethane	ug/L	25.693	28.278	25.000	1.000 U	103	%	54-142	
						10	R	20	
1,1-Dichloroethene	ug/L	25.991	30.158	25.000	1.000 U	104	%	51-136	
						15	R	20	
Carbon disulfide	ug/L	21.021	24.189	25.000	5.000 U	84	%	21-111	
						14	R	20	
Acetone	ug/L	34.584	32.209	25.000	5.000 U	138	%	14-177	
						7	R	20	
Methylene chloride	ug/L	23.536	29.179	25.000	1.000 U	94	%	64-127	
						21	R	20	*
trans-1,2-Dichloroethene	ug/L	26.025	32.090	25.000	1.000 U	104	%	62-138	
						21	R	20	*
Methyl-tert-butyl-ether (MTBE)	ug/L	21.019	27.485	25.000	1.000 U	84	%	55-142	
						27	R	20	*
1,1-Dichloroethane	ug/L	24.316	29.512	25.000	1.000 U	97	%	70-124	
						19	R	20	
2,2-Dichloropropane	ug/L	22.145	27.750	25.000	1.000 U	89	%	68-127	
						22	R	20	*
cis-1,2-Dichloroethene	ug/L	25.655	30.053	25.000	1.000 U	103	%	70-125	
						16	R	20	
2-Butanone (MEK)	ug/L	22.269	25.255	25.000	5.000 U	89	%	29-139	
						13	R	20	
Bromochloromethane	ug/L	20.850	25.928	25.000	1.000 U	83	%	57-116	
						22	R	20	*
Chloroform	ug/L	25.360	30.832	25.000	1.000 U	101	%	75-122	
						19	R	20	
1,1,1-Trichloroethane	ug/L	26.006	30.993	25.000	1.000 U	104	%	70-127	
						18	R	20	
1,1-Dichloropropene	ug/L	25.204	29.057	25.000	1.000 U	101	%	70-125	
						14	R	20	
Carbon tetrachloride	ug/L	25.351	28.446	25.000	1.000 U	101	%	64-132	
						12	R	20	
Benzene	ug/L	23.798	26.972	25.000	1.000 U	95	%	75-122	
						13	R	20	
1,2-Dichloroethane	ug/L	21.308	24.745	25.000	1.000 U	85	%	67-120	
						15	R	20	
Trichloroethene	ug/L	25.061	27.356	25.000	1.000 U	100	%	70-125	
						9	R	20	
1,2-Dichloropropane	ug/L	22.011	25.758	25.000	1.000 U	88	%	76-116	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005 1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	17.620	21.145	25.000	1.000 U	70	%	68-116	
						18	R	20	
Bromodichloromethane	ug/L	23.229	28.173	25.000	1.000 U	93	%	75-125	
						19	R	20	
cis-1,3-Dichloropropene	ug/L	19.797	24.255	26.000	1.000 U	76	%	72-115	
						20	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	19.091	23.138	25.000	5.000 U	76	%	39-137	
						19	R	20	
Toluene	ug/L	23.937	27.145	25.000	1.000 U	96	%	77-120	
						13	R	20	
trans-1,3-Dichloropropene	ug/L	17.280	21.034	24.000	1.000 U	72	%	68-119	
						20	R	20	
1,1,2-Trichloroethane	ug/L	22.806	27.938	25.000	1.000 U	91	%	63-127	
						20	R	20	
Tetrachloroethene	ug/L	25.395	26.977	25.000	1.000 U	102	%	45-150	
						6	R	20	
1,3-Dichloropropane	ug/L	22.405	25.928	25.000	1.000 U	90	%	72-118	
						15	R	20	
2-Hexanone	ug/L	22.412	26.132	25.000	5.000 U	90	%	36-144	
						15	R	20	
Dibromochloromethane	ug/L	22.436	26.727	25.000	1.000 U	90	%	73-116	
						17	R	20	
1,2-Dibromoethane (EDB)	ug/L	20.330	24.607	25.000	1.000 U	81	%	62-123	
						19	R	20	
Chlorobenzene	ug/L	23.086	25.971	25.000	1.000 U	92	%	76-116	
						12	R	20	
1,1,1,2-Tetrachloroethane	ug/L	23.560	26.751	25.000	1.000 U	94	%	77-120	
						13	R	20	
Ethylbenzene	ug/L	26.225	28.773	25.000	1.000 U	105	%	75-125	
						9	R	20	
m&p-Xylenes	ug/L	50.310	54.885	50.000	2.000 U	101	%	75-123	
						9	R	20	
o-Xylene	ug/L	24.928	27.526	25.000	1.000 U	100	%	76-121	
						10	R	20	
Styrene	ug/L	24.855	27.396	25.000	1.000 U	99	%	77-128	
						10	R	20	
Bromoform	ug/L	20.799	25.400	25.000	1.000 U	83	%	65-115	
						20	R	20	
Isopropylbenzene	ug/L	25.218	27.000	25.000	1.000 U	101	%	64-119	
						7	R	20	
Bromobenzene	ug/L	24.704	27.967	25.000	1.000 U	99	%	76-118	
						12	R	20	
1,1,2,2-Tetrachloroethane	ug/L	21.041	26.813	25.000	1.000 U	84	%	61-122	
						24	R	20	*
1,2,3-Trichloropropane	ug/L	21.791	26.879	25.000	1.000 U	87	%	62-124	
						21	R	20	*
n-Propylbenzene	ug/L	27.768	29.599	25.000	1.000 U	111	%	69-132	
						6	R	20	
2-Chlorotoluene	ug/L	26.129	28.650	25.000	1.000 U	105	%	70-127	
						9	R	20	
1,3,5-Trimethylbenzene	ug/L	27.513	29.849	25.000	1.000 U	110	%	70-132	
						8	R	20	
4-Chlorotoluene	ug/L	25.464	27.614	25.000	1.000 U	102	%	70-126	
						8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.051	29.882	25.000	1.000	U	112	%	70-133	
							6	R	20	
1,2,4-Trimethylbenzene	ug/L	26.552	28.650	25.000	1.000	U	106	%	71-131	
							8	R	20	
sec-Butylbenzene	ug/L	28.425	29.721	25.000	1.000	U	114	%	70-134	
							4	R	20	
p-Isopropyltoluene	ug/L	25.718	26.755	25.000	1.000	U	103	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	27.486	28.486	25.000	1.000	U	110	%	64-142	
							4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	19.956	23.516	25.000	1.000	U	80	%	57-119	
							16	R	20	
1,2,3-Trichlorobenzene	ug/L	22.525	24.626	25.000	1.000	U	90	%	66-124	
							9	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: Z41151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J270SA	163893-017		10/27/2005	0854

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163960

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.075		25.000	1.000 U	48	%	24-171	
Chloromethane	ug/L	22.378		25.000	1.000 U	90	%	31-182	
Vinyl chloride	ug/L	23.798		25.000	1.000 U	95	%	50-145	
Bromomethane	ug/L	32.127		25.000	1.000 U	129	%	31-188	
Chloroethane	ug/L	31.840		25.000	1.000 U	127	%	58-148	
Trichlorofluoromethane	ug/L	28.278		25.000	1.000 U	113	%	54-142	
1,1-Dichloroethene	ug/L	30.158		25.000	1.000 U	121	%	51-136	
Carbon disulfide	ug/L	24.189		25.000	5.000 U	97	%	21-111	
Acetone	ug/L	32.209		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	29.179		25.000	1.000 U	117	%	64-127	
trans-1,2-Dichloroethene	ug/L	32.090		25.000	1.000 U	128	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.485		25.000	1.000 U	110	%	55-142	
1,1-Dichloroethane	ug/L	29.512		25.000	1.000 U	118	%	70-124	
2,2-Dichloropropane	ug/L	27.750		25.000	1.000 U	111	%	68-127	
cis-1,2-Dichloroethene	ug/L	30.053		25.000	1.000 U	120	%	70-125	
2-Butanone (MEK)	ug/L	25.255		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	25.928		25.000	1.000 U	104	%	57-116	
Chloroform	ug/L	30.832		25.000	1.000 U	123	%	75-122	*
1,1,1-Trichloroethane	ug/L	30.993		25.000	1.000 U	124	%	70-127	
1,1-Dichloropropene	ug/L	29.057		25.000	1.000 U	116	%	70-125	
Carbon tetrachloride	ug/L	28.446		25.000	1.000 U	114	%	64-132	
Benzene	ug/L	26.972		25.000	1.000 U	108	%	75-122	
1,2-Dichloroethane	ug/L	24.745		25.000	1.000 U	99	%	67-120	
Trichloroethene	ug/L	27.356		25.000	1.000 U	109	%	70-125	
1,2-Dichloropropane	ug/L	25.758		25.000	1.000 U	103	%	76-116	
Dibromomethane	ug/L	21.145		25.000	1.000 U	85	%	68-116	
Bromodichloromethane	ug/L	28.173		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.255		26.000	1.000 U	93	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.138		25.000	5.000 U	93	%	39-137	
Toluene	ug/L	27.145		25.000	1.000 U	109	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.034		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.938		25.000	1.000 U	112	%	63-127	
Tetrachloroethene	ug/L	26.977		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.928		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	26.132		25.000	5.000 U	105	%	36-144	
Dibromochloromethane	ug/L	26.727		25.000	1.000 U	107	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.607		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	25.971		25.000	1.000 U	104	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.751		25.000	1.000 U	107	%	77-120	
Ethylbenzene	ug/L	28.773		25.000	1.000 U	115	%	75-125	
m&p-Xylenes	ug/L	54.885		50.000	2.000 U	110	%	75-123	
o-Xylene	ug/L	27.526		25.000	1.000 U	110	%	76-121	
Styrene	ug/L	27.396		25.000	1.000 U	110	%	77-128	
Bromoform	ug/L	25.400		25.000	1.000 U	102	%	65-115	
Isopropylbenzene	ug/L	27.000		25.000	1.000 U	108	%	64-119	
Bromobenzene	ug/L	27.967		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	26.813		25.000	1.000 U	107	%	61-122	
1,2,3-Trichloropropane	ug/L	26.879		25.000	1.000 U	108	%	62-124	
n-Propylbenzene	ug/L	29.599		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.650		25.000	1.000 U	115	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163893-017		10/27/2005	0854

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.849		25.000	1.000 U	119	%	70-132	
4-Chlorotoluene	ug/L	27.614		25.000	1.000 U	110	%	70-126	
tert-Butylbenzene	ug/L	29.882		25.000	1.000 U	120	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.650		25.000	1.000 U	115	%	71-131	
sec-Butylbenzene	ug/L	29.721		25.000	1.000 U	119	%	70-134	
p-Isopropyltoluene	ug/L	26.755		25.000	1.000 U	107	%	66-130	
n-Butylbenzene	ug/L	28.486		25.000	1.000 U	114	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.516		25.000	1.000 U	94	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.626		25.000	1.000 U	99	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163893-016		10/27/2005	0830

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 163960

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163893-016		10/27/2005	0830

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000 U							
4-Chlorotoluene, Solid	ug/Kg	5.000 U							
tert-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000 U							
sec-Butylbenzene, Solid	ug/Kg	5.000 U							
p-Isopropyltoluene, Solid	ug/Kg	5.000 U							
n-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000 U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL19
Batch.....: 164085
Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.975	43.328	50.000	5.000 U	76	%	39-159	
						13	R	20	
Chloromethane, Solid	ug/Kg	41.338	42.943	50.000	5.000 U	83	%	42-180	
						4	R	20	
Vinyl chloride, Solid	ug/Kg	41.624	43.296	50.000	5.000 U	83	%	60-125	
						4	R	20	
Bromomethane, Solid	ug/Kg	53.603	57.537	50.000	5.000 U	107	%	39-165	
						7	R	20	
Chloroethane, Solid	ug/Kg	45.656	50.445	50.000	5.000 U	91	%	56-145	
						10	R	20	
Trichlorofluoromethane, Solid	ug/Kg	42.855	52.874	50.000	5.000 U	86	%	57-136	
						21	R	20	*
1,1-Dichloroethene, Solid	ug/Kg	46.282	54.768	50.000	5.000 U	93	%	47-141	
						17	R	20	
Carbon disulfide, Solid	ug/Kg	41.897	49.034	50.000	5.000 U	84	%	22-118	
						16	R	20	
Acetone, Solid	ug/Kg	52.161	92.451	50.000	5.000 U	104	%	50-176	
						56	R	20	*
Methylene chloride, Solid	ug/Kg	47.207	51.780	50.000	5.000 U	94	%	67-133	
						9	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.119	51.850	50.000	5.000 U	92	%	62-138	
						12	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	47.812	52.570	50.000	5.000 U	96	%	69-155	
						9	R	20	
1,1-Dichloroethane, Solid	ug/Kg	44.915	49.790	50.000	5.000 U	90	%	65-134	
						10	R	20	
2,2-Dichloropropane, Solid	ug/Kg	37.917	50.642	50.000	5.000 U	76	%	70-134	
						29	R	20	*
cis-1,2-Dichloroethene, Solid	ug/Kg	48.005	52.578	50.000	5.000 U	96	%	65-125	
						9	R	20	
2-Butanone (MEK), Solid	ug/Kg	48.492	62.898	50.000	5.000 U	97	%	41-166	
						26	R	20	*
Bromochloromethane, Solid	ug/Kg	48.886	52.522	50.000	5.000 U	98	%	61-122	
						7	R	20	
Chloroform, Solid	ug/Kg	46.909	51.411	50.000	5.000 U	94	%	73-135	
						9	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	45.306	51.866	50.000	5.000 U	91	%	71-137	
						14	R	20	
1,1-Dichloropropene, Solid	ug/Kg	44.892	49.702	50.000	5.000 U	90	%	68-134	
						10	R	20	
Carbon tetrachloride, Solid	ug/Kg	44.857	51.848	50.000	5.000 U	90	%	67-130	
						14	R	20	
Benzene, Solid	ug/Kg	48.094	51.240	50.000	5.000 U	96	%	72-125	
						6	R	20	
1,2-Dichloroethane, Solid	ug/Kg	47.920	50.237	50.000	5.000 U	96	%	72-134	
						5	R	20	
Trichloroethene, Solid	ug/Kg	46.134	51.235	50.000	5.000 U	92	%	75-125	
						10	R	20	
1,2-Dichloropropane, Solid	ug/Kg	47.533	49.486	50.000	5.000 U	95	%	76-124	
						4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	49.595	50.660	50.000	5.000 U	99 2	% R	75-122 20	
Bromodichloromethane, Solid	ug/Kg	52.298	54.854	50.000	5.000 U	105 5	% R	82-131 20	
cis-1,3-Dichloropropene, Solid	ug/Kg	47.238	50.016	52.000	5.000 U	91 6	% R	78-118 20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	50.387	51.815	50.000	5.000 U	101 3	% R	57-144 20	
Toluene, Solid	ug/Kg	48.078	50.261	50.000	5.000 U	96 4	% R	73-121 20	
trans-1,3-Dichloropropene, Solid	ug/Kg	43.649	45.808	48.000	5.000 U	91 5	% R	77-127 20	
1,1,2-Trichloroethane, Solid	ug/Kg	52.720	53.152	50.000	5.000 U	105 1	% R	79-133 20	
Tetrachloroethene, Solid	ug/Kg	44.534	48.954	50.000	5.000 U	89 9	% R	65-123 20	
1,3-Dichloropropane, Solid	ug/Kg	50.868	50.463	50.000	5.000 U	102 1	% R	81-123 20	
2-Hexanone, Solid	ug/Kg	47.968	59.294	50.000	5.000 U	96 21	% R	57-148 20	*
Dibromochloromethane, Solid	ug/Kg	50.261	52.466	50.000	5.000 U	101 4	% R	78-125 20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.983	50.371	50.000	5.000 U	102 1	% R	77-123 20	
Chlorobenzene, Solid	ug/Kg	46.511	48.874	50.000	5.000 U	93 5	% R	77-115 20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.439	51.692	50.000	5.000 U	99 4	% R	78-126 20	
Ethylbenzene, Solid	ug/Kg	46.816	50.175	50.000	5.000 U	94 7	% R	73-121 20	
m&p-Xylenes, Solid	ug/Kg	92.683	98.750	100.000	10.000 U	93 6	% R	73-122 20	
o-Xylene, Solid	ug/Kg	46.491	49.924	50.000	5.000 U	93 7	% R	75-120 20	
Styrene, Solid	ug/Kg	48.281	51.181	50.000	5.000 U	97 6	% R	76-124 20	
Bromoform, Solid	ug/Kg	45.914	48.379	50.000	5.000 U	92 5	% R	72-132 20	
Isopropylbenzene, Solid	ug/Kg	45.066	48.278	50.000	5.000 U	90 7	% R	59-114 20	
Bromobenzene, Solid	ug/Kg	51.418	53.961	50.000	5.000 U	103 5	% R	75-118 20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.066	53.963	50.000	5.000 U	106 2	% R	73-125 20	
1,2,3-Trichloropropane, Solid	ug/Kg	51.763	52.644	50.000	5.000 U	104 2	% R	75-126 20	
n-Propylbenzene, Solid	ug/Kg	49.180	53.190	50.000	5.000 U	98 8	% R	66-126 20	
2-Chlorotoluene, Solid	ug/Kg	49.677	53.589	50.000	5.000 U	99 8	% R	68-126 20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.642	51.948	50.000	5.000 U	97 7	% R	68-125 20	
4-Chlorotoluene, Solid	ug/Kg	48.235	52.300	50.000	5.000 U	96 8	% R	70-123 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28D5G	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	45.628	51.351	50.000	5.000 U	91	%	67-124	
						12	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	46.930	51.300	50.000	5.000 U	94	%	70-126	
						9	R	20	
sec-Butylbenzene, Solid	ug/Kg	46.390	50.816	50.000	5.000 U	93	%	65-129	
						9	R	20	
p-Isopropyltoluene, Solid	ug/Kg	43.876	48.275	50.000	5.000 U	88	%	65-121	
						10	R	20	
n-Butylbenzene, Solid	ug/Kg	45.570	50.478	50.000	5.000 U	91	%	64-133	
						10	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	42.319	45.221	50.000	5.000 U	85	%	61-133	
						7	R	20	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.115	45.912	50.000	5.000 U	90	%	65-127	
						2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J280SG	164055-014		10/28/2005	0934

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	43.328		50.000	5.000 U	87	%	39-159	
Chloromethane, Solid	ug/Kg	42.943		50.000	5.000 U	86	%	42-180	
Vinyl chloride, Solid	ug/Kg	43.296		50.000	5.000 U	87	%	60-125	
Bromomethane, Solid	ug/Kg	57.537		50.000	5.000 U	115	%	39-165	
Chloroethane, Solid	ug/Kg	50.445		50.000	5.000 U	101	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	52.874		50.000	5.000 U	106	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	54.768		50.000	5.000 U	110	%	47-141	
Carbon disulfide, Solid	ug/Kg	49.034		50.000	5.000 U	98	%	22-118	
Acetone, Solid	ug/Kg	92.451		50.000	5.000 U	185	%	50-176	*
Methylene chloride, Solid	ug/Kg	51.780		50.000	5.000 U	104	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	51.850		50.000	5.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	52.570		50.000	5.000 U	105	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	49.790		50.000	5.000 U	100	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	50.642		50.000	5.000 U	101	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	52.578		50.000	5.000 U	105	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	62.898		50.000	5.000 U	126	%	41-166	
Bromochloromethane, Solid	ug/Kg	52.522		50.000	5.000 U	105	%	61-122	
Chloroform, Solid	ug/Kg	51.411		50.000	5.000 U	103	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	51.866		50.000	5.000 U	104	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	49.702		50.000	5.000 U	99	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	51.848		50.000	5.000 U	104	%	67-130	
Benzene, Solid	ug/Kg	51.240		50.000	5.000 U	102	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	50.237		50.000	5.000 U	100	%	72-134	
Trichloroethene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.486		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	50.660		50.000	5.000 U	101	%	75-122	
Bromodichloromethane, Solid	ug/Kg	54.854		50.000	5.000 U	110	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	50.016		52.000	5.000 U	96	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.815		50.000	5.000 U	104	%	57-144	
Toluene, Solid	ug/Kg	50.261		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.808		48.000	5.000 U	95	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.152		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.954		50.000	5.000 U	98	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	50.463		50.000	5.000 U	101	%	81-123	
2-Hexanone, Solid	ug/Kg	59.294		50.000	5.000 U	119	%	57-148	
Dibromochloromethane, Solid	ug/Kg	52.466		50.000	5.000 U	105	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.371		50.000	5.000 U	101	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.874		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	51.692		50.000	5.000 U	103	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.175		50.000	5.000 U	100	%	73-121	
m&p-Xylenes, Solid	ug/Kg	98.750		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.924		50.000	5.000 U	100	%	75-120	
Styrene, Solid	ug/Kg	51.181		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	48.379		50.000	5.000 U	97	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.278		50.000	5.000 U	97	%	59-114	
Bromobenzene, Solid	ug/Kg	53.961		50.000	5.000 U	108	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.963		50.000	5.000 U	108	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.644		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	53.190		50.000	5.000 U	106	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	53.589		50.000	5.000 U	107	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSG	164055-014		10/28/2005	0934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	51.948		50.000	5.000	U	104	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	52.300		50.000	5.000	U	105	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	51.351		50.000	5.000	U	103	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.300		50.000	5.000	U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	50.816		50.000	5.000	U	102	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	48.275		50.000	5.000	U	97	%	65-121	
n-Butylbenzene, Solid	ug/Kg	50.478		50.000	5.000	U	101	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	45.221		50.000	5.000	U	90	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.912		50.000	5.000	U	92	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

LCS	Laboratory Control Sample	V05K030SA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.596		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	23.139		25.000	1.000 U	93	%	31-182	
Vinyl chloride	ug/L	23.593		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	36.069		25.000	1.000 U	144	%	31-188	
Chloroethane	ug/L	24.925		25.000	1.000 U	100	%	58-148	
Trichlorofluoromethane	ug/L	23.512		25.000	1.000 U	94	%	54-142	
1,1-Dichloroethene	ug/L	23.485		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	19.501		25.000	5.000 U	78	%	21-111	
Acetone	ug/L	15.836		25.000	5.000 U	63	%	14-177	
Methylene chloride	ug/L	24.600		25.000	1.000 U	98	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.967		25.000	1.000 U	100	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.335		25.000	1.000 U	105	%	55-142	
1,1-Dichloroethane	ug/L	24.431		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	26.214		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.399		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	22.335		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	21.150		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	24.934		25.000	1.000 U	100	%	75-122	
1,1,1-Trichloroethane	ug/L	24.721		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.711		25.000	1.000 U	87	%	70-125	
Carbon tetrachloride	ug/L	25.119		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	22.737		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	24.438		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	21.840		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	23.262		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	18.348		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	25.772		25.000	1.000 U	103	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.250		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.661		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	23.219		25.000	1.000 U	93	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.875		24.000	1.000 U	91	%	68-119	
1,1,2-Trichloroethane	ug/L	25.810		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	21.816		25.000	1.000 U	87	%	45-150	
1,3-Dichloropropane	ug/L	24.044		25.000	1.000 U	96	%	72-118	
2-Hexanone	ug/L	22.797		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	24.227		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.135		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	21.805		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.058		25.000	1.000 U	96	%	77-120	
Ethylbenzene	ug/L	23.067		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	44.841		50.000	2.000 U	90	%	75-123	
o-Xylene	ug/L	23.379		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	23.884		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	23.789		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	19.620		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	21.750		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	21.942		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	24.418		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	20.862		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	21.606		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.978		25.000	1.000 U	88	%	70-132	
4-Chlorotoluene	ug/L	20.756		25.000	1.000 U	83	%	70-126	
tert-Butylbenzene	ug/L	21.516		25.000	1.000 U	86	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.358		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	21.066		25.000	1.000 U	84	%	70-134	
p-Isopropyltoluene	ug/L	20.238		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.444		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.125		25.000	1.000 U	92	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.586		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000 U							
Chloromethane	ug/L	1.000 U							
Vinyl chloride	ug/L	1.000 U							
Bromomethane	ug/L	1.000 U							
Chloroethane	ug/L	1.000 U							
Trichlorofluoromethane	ug/L	1.000 U							
1,1-Dichloroethene	ug/L	1.000 U							
Carbon disulfide	ug/L	5.000 U							
Acetone	ug/L	5.000 U							
Methylene chloride	ug/L	1.000 U							
trans-1,2-Dichloroethene	ug/L	1.000 U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000 U							
1,1-Dichloroethane	ug/L	1.000 U							
2,2-Dichloropropane	ug/L	1.000 U							
cis-1,2-Dichloroethene	ug/L	1.000 U							
2-Butanone (MEK)	ug/L	5.000 U							
Bromochloromethane	ug/L	1.000 U							
Chloroform	ug/L	1.000 U							
1,1,1-Trichloroethane	ug/L	1.000 U							
1,1-Dichloropropene	ug/L	1.000 U							
Carbon tetrachloride	ug/L	1.000 U							
Benzene	ug/L	1.000 U							
1,2-Dichloroethane	ug/L	1.000 U							
Trichloroethene	ug/L	1.000 U							
1,2-Dichloropropane	ug/L	1.000 U							
Dibromomethane	ug/L	1.000 U							
Bromodichloromethane	ug/L	1.000 U							
cis-1,3-Dichloropropene	ug/L	1.000 U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000 U							
Toluene	ug/L	1.000 U							
trans-1,3-Dichloropropene	ug/L	1.000 U							
1,1,2-Trichloroethane	ug/L	1.000 U							
Tetrachloroethene	ug/L	1.000 U							
1,3-Dichloropropane	ug/L	1.000 U							
2-Hexanone	ug/L	5.000 U							
Dibromochloromethane	ug/L	1.000 U							
1,2-Dibromoethane (EDB)	ug/L	1.000 U							
Chlorobenzene	ug/L	1.000 U							
1,1,1,2-Tetrachloroethane	ug/L	1.000 U							
Ethylbenzene	ug/L	1.000 U							
m&p-Xylenes	ug/L	2.000 U							
o-Xylene	ug/L	1.000 U							
Styrene	ug/L	1.000 U							
Bromoform	ug/L	1.000 U							
Isopropylbenzene	ug/L	1.000 U							
Bromobenzene	ug/L	1.000 U							
1,1,2,2-Tetrachloroethane	ug/L	1.000 U							
1,2,3-Trichloropropane	ug/L	1.000 U							
n-Propylbenzene	ug/L	1.000 U							
2-Chlorotoluene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163391-002		10/24/2005	1710

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.54		10.00	0.37	U	95	%	80-120	
Barium, Solid	mg/Kg	195.83		200.00	0.12	B	98	%	80-120	
Cadmium, Solid	mg/Kg	4.92		5.00	0.06	U	98	%	80-120	
Chromium, Solid	mg/Kg	20.34		20.00	0.22	B	102	%	80-120	
Lead, Solid	mg/Kg	9.54		10.00	0.25	U	95	%	80-120	
Selenium, Solid	mg/Kg	9.59		10.00	0.45	U	96	%	80-120	
Silver, Solid	mg/Kg	4.42		5.00	0.10	U	88	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163391	163391-001		10/24/2005	1705

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.12	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.22	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241151-11		10/24/2005	1820

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.77	B		1.12	0.34	A	0.95	
Barium, Solid	mg/Kg	110.25			96.90	12.9	R	20.0	
Cadmium, Solid	mg/Kg	0.21			0.19	B 0.02	A	0.19	
Chromium, Solid	mg/Kg	4.31			4.11	0.20	A	0.95	
Lead, Solid	mg/Kg	7.02			6.82	2.9	R	20.0	
Selenium, Solid	mg/Kg	0.85	B		0.83	B 0.02	A	0.95	
Silver, Solid	mg/Kg	0.10	U		0.20	B 0.20	A	0.48	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M051$PK001	241151-11		10/24/2005	1824

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	8.68		8.96	1.12		84	%	75-125	
Barium, Solid	mg/Kg	260.28		179.20	96.90		91	%	75-125	
Cadmium, Solid	mg/Kg	4.38		4.48	0.19		94	%	75-125	
Chromium, Solid	mg/Kg	26.05		17.92	4.11		122	%	75-125	
Lead, Solid	mg/Kg	15.49		8.96	6.82		97	%	75-125	
Selenium, Solid	mg/Kg	8.49		8.96	0.83	B	95	%	75-125	
Silver, Solid	mg/Kg	3.69		4.48	0.20	B	82	%	75-125	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M05ISPK001	241151-11		10/24/2005	1829

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.03	8.68	9.46	1.12		84	%	75-125	
							0.0	R	20	
Barium, Solid	mg/Kg	293.14	260.28	189.10	96.90		104	%	75-125	
							13.3	R	20	
Cadmium, Solid	mg/Kg	4.59	4.38	4.73	0.19	B	97	%	75-125	
							3.1	R	20	
Chromium, Solid	mg/Kg	26.55	26.05	18.91	4.11		119	%	75-125	
							2.5	R	20	
Lead, Solid	mg/Kg	15.83	15.49	9.46	6.82		95	%	75-125	
							2.1	R	20	
Selenium, Solid	mg/Kg	8.77	8.49	9.46	0.83	B	93	%	75-125	
							2.1	R	20	
Silver, Solid	mg/Kg	3.92	3.69	4.73	0.20	B	83	%	75-125	
							1.2	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241151-11		10/24/2005	1815

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 163565

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.35	U			1.12					
Barium, Solid	mg/Kg	20.39				96.90		5.2	D	10.0	
Cadmium, Solid	mg/Kg	0.06	U			0.19	B				
Chromium, Solid	mg/Kg	0.99				4.11					
Lead, Solid	mg/Kg	1.38				6.82					
Selenium, Solid	mg/Kg	0.43	U			0.83	B				
Silver, Solid	mg/Kg	0.10	U			0.20	B				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163280 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163280-001		%	0.1000 U								10/20/2005	1525
MD	241151-11		%	81.20000			81.40000	0.2		R	5.0	10/20/2005	1531

Test Method.....: 7471A Batch.....: 163415 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163407-007		mg/Kg	0.01 U								10/21/2005	1405
LCS	163407-008	M04LSTK010	mg/Kg	0.17		0.17	0.01	U 105		%	80-120	10/21/2005	1407
MD	241151-11		mg/Kg	0.03			0.03	0.00		A	0.02	10/21/2005	1459
MS	241151-11	M04KSTK001	mg/Kg	0.11		0.10	0.03	80		%	75-125	10/21/2005	1501
MSD	241151-11	M04KSTK001	mg/Kg	0.11	0.11	0.10	0.03	80		%	75-125	10/21/2005	1503
								0.0		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241069

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/31/2005

Linda S Mackley
Signature

10-31-05
Date

Name: Linda S. Mackley

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This Report Contains (67) Pages

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: Hydrogeologic, Inc. Date Recd: 10/18/05
Project ID: OMA009-001-02-01-02
STL Job# 231069

1. This narrative covers the Metals analysis of samples in the above STL Job.

   Method Ref: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limit.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

5. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

6. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.

7. Method Blank concentrations were less than the Reporting Limits.

8. Matrix QC was performed on Sample 1 (ICP).

   Serial Dilution analysis was within control limits except for Ba.

   Matrix spike (MS/MSD) recoveries were within the 75-125% control limits (exception – control limits are not applicable when the sample concentration exceed the spike added concentration by a factor of 4 or more).

   Duplicate result was within the 20% RPD control limits for sample concentrations greater than 5X the RL or +\- the RL for sample concentrations less than 5X the RL except for Ba.

Jodi L. Gromala
Metals Section Manager

10-21-05
Date

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241069
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/Laboratory Control Duplicate) had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil sample was prepared using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. The soil sample was analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

John Nagel
GC/MS Dept.

10-26-05
Date

Severn Trent Services - Chicago
GC/MS BNA Case Narrative

HydroGeoLogic, Inc./OMA009-001-02-01-02/Hunter AAF
JOB Number: 241069
BNA DATA:

1. All extractions and analyses were performed within recommended hold-times.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) samples had all control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed

5. All samples had all surrogate recoveries within the in-house QC limits.

6. All samples had all internal standard areas and retention times within the SOP acceptance limits.

7. All samples were analyzed following USEPA SW846 8270C protocol.

Gary Rynkar
GC/MS Section Manager

10/3/15
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 10/31/2005

Job Number.: 241069
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001-02-01-02
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241069-1	MCA-S0018-0-2-1005	Soil	10/17/2005	15:00	10/18/2005	10:00
241069-2	MCA-SODUP103-1005	Soil	10/17/2005	15:00	10/18/2005	10:00
241069-3	EB101705	Water	10/17/2005	17:30	10/18/2005	10:00
241069-4	TB101705	Water	10/17/2005	18:00	10/18/2005	10:00

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	190	U		54	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	190	U		51	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,3-Dichlorobenzene, Low Level Soil*	190	U		48	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,4-Dichlorobenzene, Low Level Soil*	190	U		43	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,2-Dichlorobenzene, Low Level Soil*	190	U		57	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzyl alcohol, Low Level Soil*	380	U		170	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	190	U		42	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	190	U		50	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	190	U		43	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachloroethane, Low Level Soil*	190	U		60	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	190	U		100	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Chlorophenol, Low Level Soil*	190	U		46	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Nitrobenzene, Low Level Soil*	38	U		15	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	190	U		44	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	190	U		59	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzoic acid, Low Level Soil*	1900	U		390	1900	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Isophorone, Low Level Soil*	190	U		32	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dimethylphenol, Low Level Soil*	380	U		66	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachlorobutadiene, Low Level Soil*	190	U		54	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Naphthalene, Low Level Soil*	38	U		9.0	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dichlorophenol, Low Level Soil*	380	U		63	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Chloroaniline, Low Level Soil*	770	U		180	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	380	U		51	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	380	U		85	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	770	U		300	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Methylnaphthalene, Low Level Soil*	190	U		48	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Nitroaniline, Low Level Soil*	190	U		31	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Chloronaphthalene, Low Level Soil*	190	U		43	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	380	U		87	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,6-Dinitrotoluene, Low Level Soil*	190	U		45	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2-Nitrophenol, Low Level Soil*	380	U		110	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	3-Nitroaniline, Low Level Soil*	380	U		70	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Dimethyl phthalate, Low Level Soil*	190	U		18	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dinitrophenol, Low Level Soil*	770	U		310	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Acenaphthylene, Low Level Soil*	66			10	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	2,4-Dinitrotoluene, Low Level Soil*	190	U		32	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Acenaphthene, Low Level Soil*	38	U		7.6	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Dibenzofuran, Low Level Soil*	190	U		25	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Nitrophenol, Low Level Soil*	770	U		300	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Fluorene, Low Level Soil*	38	U		8.9	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Nitroaniline, Low Level Soil*	380	U		80	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	190	U		32	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Hexachlorobenzene, Low Level Soil*	77	U		29	77	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Diethyl phthalate, Low Level Soil*	190	U		21	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	190	U		28	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Pentachlorophenol, Low Level Soil*	770	U		240	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	190	U		23	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	380	U		61	380	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Phenanthrene, Low Level Soil*	100			6.1	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Anthracene, Low Level Soil*	71			4.2	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Carbazole, Low Level Soil*	190	U		28	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Di-n-butyl phthalate, Low Level Soil*	190	U		31	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzidine, Low Level Soil*	1900	U		1900	1900	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Fluoranthene, Low Level Soil*	780			7.0	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Pyrene, Low Level Soil*	640			8.7	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Butyl benzyl phthalate, Low Level Soil*	190	U		23	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(a)anthracene, Low Level Soil*	410			8.4	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	500			10	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	770	U		160	770	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	190	U		92	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Di-n-octyl phthalate, Low Level Soil*	190	U		35	190	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(b)fluoranthene, Low Level Soil*	700		H	7.5	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(k)fluoranthene, Low Level Soil*	320		M	12	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(a)pyrene, Low Level Soil*	410			6.5	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	240		H	13	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	92		H	8.3	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
	Benzo(ghi)perylene, Low Level Soil*	240			8.5	38	1.00000	ug/Kg	164092		10/28/05 1446	dpk
Method	% Solids Determination											
	% Solids, Solid	85.6			0.10	0.10	1	%	163018		10/18/05 1453	pfk
	% Moisture, Solid	14.4			0.10	0.10	1	%	163018		10/18/05 1453	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.70			0.036	0.19	5	mg/Kg	163170		10/19/05 1536	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	2.7			0.40	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Barium, Solid*	32			0.078	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Cadmium, Solid*	0.30			0.063	0.22	1	mg/Kg	163333		10/20/05 1330	tds
	Chromium, Solid*	5.1			0.11	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Lead, Solid*	200			0.27	0.54	1	mg/Kg	163333		10/20/05 1330	tds
	Selenium, Solid*	1.1	U		0.49	1.1	1	mg/Kg	163333		10/20/05 1330	tds
	Silver, Solid*	0.54	U		0.11	0.54	1	mg/Kg	163333		10/20/05 1330	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.6	U	*	1.1	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chloromethane, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Vinyl chloride, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromomethane, Solid*	5.6	U		3.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Chloroethane, Solid*	5.6	U		3.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Trichlorofluoromethane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1-Dichloroethene, Solid*	5.6	U		1.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Carbon disulfide, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Acetone, Solid*	27			4.8	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Methylene chloride, Solid*	5.6	U		1.8	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	trans-1,2-Dichloroethene, Solid*	5.6	U		0.86	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.6	U		0.61	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1-Dichloroethane, Solid*	5.6	U		0.66	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2,2-Dichloropropane, Solid*	5.6	U		1.6	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	cis-1,2-Dichloroethene, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2-Butanone (MEK), Solid*	5.6	U		2.4	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromochloromethane, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Chloroform, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,1-Trichloroethane, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1-Dichloropropene, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Carbon tetrachloride, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Benzene, Solid*	5.6	U		0.77	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dichloroethane, Solid*	5.6	U		0.61	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Trichloroethene, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dichloropropane, Solid*	5.6	U		0.61	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Dibromomethane, Solid*	5.6	U		0.89	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromodichloromethane, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	cis-1,3-Dichloropropene, Solid*	5.6	U		0.65	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Toluene, Solid*	5.6	U		1.9	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241069

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-S0018-0-2-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-1
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,2-Trichloroethane, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Tetrachloroethene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,3-Dichloropropane, Solid*	5.6	U		0.68	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2-Hexanone, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Dibromochloromethane, Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.71	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Chlorobenzene, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Ethylbenzene, Solid*	5.6	U		0.71	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	163730		10/25/05 1956	ges
	o-Xylene, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Styrene, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromoform, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Isopropylbenzene, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	Bromobenzene, Solid*	5.6	U		0.55	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		0.79	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2,3-Trichloropropane, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	n-Propylbenzene, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	2-Chlorotoluene, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,3,5-Trimethylbenzene, Solid*	5.6	U		0.90	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	4-Chlorotoluene, Solid*	5.6	U		0.77	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	tert-Butylbenzene, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2,4-Trimethylbenzene, Solid*	5.6	U		0.95	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	sec-Butylbenzene, Solid*	5.6	U		0.93	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	p-Isopropyltoluene, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	n-Butylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges
	1,2,3-Trichlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	163730		10/25/05 1956	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP103-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	230	U		64	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	230	U		60	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,3-Dichlorobenzene, Low Level Soil*	230	U		57	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,4-Dichlorobenzene, Low Level Soil*	230	U		50	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,2-Dichlorobenzene, Low Level Soil*	230	U		67	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzyl alcohol, Low Level Soil*	450	U		200	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	230	U		49	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	230	U		58	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	230	U		50	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachloroethane, Low Level Soil*	230	U		71	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	230	U		120	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Chlorophenol, Low Level Soil*	230	U		54	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Nitrobenzene, Low Level Soil*	45	U		18	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	230	U		52	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	230	U		69	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzoic acid, Low Level Soil*	2300	U		460	2300	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Isophorone, Low Level Soil*	230	U		38	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dimethylphenol, Low Level Soil*	450	U		77	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachlorobutadiene, Low Level Soil*	230	U		64	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Naphthalene, Low Level Soil*	45	U		11	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dichlorophenol, Low Level Soil*	450	U		75	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Chloroaniline, Low Level Soil*	910	U		210	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	450	U		60	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	450	U		100	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	910	U		360	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Methylnaphthalene, Low Level Soil*	230	U		57	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Nitroaniline, Low Level Soil*	230	U		37	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Chloronaphthalene, Low Level Soil*	230	U		50	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP103-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	450	U		100	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,6-Dinitrotoluene, Low Level Soil*	230	U		53	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2-Nitrophenol, Low Level Soil*	450	U		120	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	3-Nitroaniline, Low Level Soil*	450	U		83	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Dimethyl phthalate, Low Level Soil*	230	U		22	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dinitrophenol, Low Level Soil*	910	U		360	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Acenaphthylene, Low Level Soil*	14	J		12	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	2,4-Dinitrotoluene, Low Level Soil*	230	U		38	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Acenaphthene, Low Level Soil*	45	U		9.0	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Dibenzofuran, Low Level Soil*	230	U		30	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Nitrophenol, Low Level Soil*	910	U		350	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Fluorene, Low Level Soil*	45	U		10	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Nitroaniline, Low Level Soil*	450	U		94	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	230	U		38	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Hexachlorobenzene, Low Level Soil*	91	U		34	91	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Diethyl phthalate, Low Level Soil*	230	U		24	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	230	U		33	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Pentachlorophenol, Low Level Soil*	910	U		280	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	230	U		27	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	450	U		72	450	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Phenanthrene, Low Level Soil*	120			7.2	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Anthracene, Low Level Soil*	35	J		4.9	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Carbazole, Low Level Soil*	230	U		33	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Di-n-butyl phthalate, Low Level Soil*	230	U		37	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzidine, Low Level Soil*	2300	U		2300	2300	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Fluoranthene, Low Level Soil*	300			8.3	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Pyrene, Low Level Soil*	230			10	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Butyl benzyl phthalate, Low Level Soil*	230	U		27	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(a)anthracene, Low Level Soil*	120			9.9	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP103-1005
Date Sampled.....: 10/17/2005
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241069-2
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	180			12	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	910	U		190	910	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	190	J		110	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Di-n-octyl phthalate, Low Level Soil*	230	U		41	230	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(b)fluoranthene, Low Level Soil*	240		M	8.8	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(k)fluoranthene, Low Level Soil*	97		M	14	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(a)pyrene, Low Level Soil*	130			7.6	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	81			15	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	28	J	H	9.8	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
	Benzo(ghi)perylene, Low Level Soil*	89			10	45	1.00000	ug/Kg	164092		10/28/05 1506	dpk
Method	% Solids Determination											
	% Solids, Solid	73.0			0.10	0.10	1	%	163018		10/18/05 1454	pfk
	% Moisture, Solid	27.0			0.10	0.10	1	%	163018		10/18/05 1454	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1.4			0.084	0.45	10	mg/Kg	163170		10/19/05 1539	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.5			0.49	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Barium, Solid*	29			0.096	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Cadmium, Solid*	0.31			0.078	0.27	1	mg/Kg	163333		10/20/05 1401	tds
	Chromium, Solid*	4.6			0.13	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Lead, Solid*	150			0.33	0.67	1	mg/Kg	163333		10/20/05 1401	tds
	Selenium, Solid*	1.3	U		0.60	1.3	1	mg/Kg	163333		10/20/05 1401	tds
	Silver, Solid*	0.67	U		0.13	0.67	1	mg/Kg	163333		10/20/05 1401	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	0.00020	U		0.000075	0.00020	1	mg/L	163418		10/21/05 1401	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic	0.010	U		0.0021	0.010	1	mg/L	163229		10/19/05 2003	tds
	Barium	0.0011	B		0.00032	0.010	1	mg/L	163229		10/19/05 2003	tds
	Cadmium	0.0020	U		0.00036	0.0020	1	mg/L	163229		10/19/05 2003	tds
	Chromium	0.0015	B		0.0013	0.010	1	mg/L	163229		10/19/05 2003	tds
	Lead	0.0050	U		0.0026	0.0050	1	mg/L	163229		10/19/05 2003	tds
	Selenium	0.010	U		0.0042	0.010	1	mg/L	163229		10/19/05 2003	tds
	Silver	0.0015	B		0.00090	0.0050	1	mg/L	163229		10/19/05 2003	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chloromethane	1.0	U	*	0.20	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163510		10/22/05 1618	jdn
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		1.2	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzyl alcohol, Low Level Water	19	U		3.3	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	Hexachloroethane, Low Level Water	4.8	U		1.7	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.73	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Chlorophenol, Low Level Water	4.8	U		1.3	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.37	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzoic acid, Low Level Water	19	U		8.0	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Isophorone, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		1.5	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Naphthalene, Low Level Water	0.96	U		0.082	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Chloroaniline, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.76	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		0.93	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		3.8	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.66	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	2-Nitrophenol, Low Level Water	9.6	U		1.4	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	3-Nitroaniline, Low Level Water	9.6	U		0.65	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		11	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.075	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.26	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Acenaphthene, Low Level Water	0.96	U		0.090	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Nitrophenol, Low Level Water	19	U		7.5	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Fluorene, Low Level Water	0.96	U		0.076	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Nitroaniline, Low Level Water	9.6	U		1.4	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.92	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: EB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 241069-3
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorobenzene, Low Level Water	0.48	U		0.15	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.87	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.27	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.0	19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Phenanthrene, Low Level Water	0.96	U		0.077	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Anthracene, Low Level Water	0.96	U		0.086	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Carbazole, Low Level Water	4.8	U		0.77	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		1.1	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzidine, Low Level Water	38	U	*	7.4	38	1.00000	ug/L	164033		10/25/05 2146	dpk
	Fluoranthene, Low Level Water	0.96	U		0.044	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Pyrene, Low Level Water	0.96	U		0.074	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.12	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Chrysene, Low Level Water	0.48	U		0.14	0.48	1.00000	ug/L	164033		10/25/05 2146	dpk
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.93	4.8	1.00000	ug/L	164033		10/25/05 2146	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	9.6	U		6.3	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(b)fluoranthene, Low Level Water	0.19	U		0.076	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(k)fluoranthene, Low Level Water	0.19	U		0.096	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(a)pyrene, Low Level Water	0.19	U		0.15	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.19	U		0.18	0.19	1.00000	ug/L	164033		10/25/05 2146	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.29	U		0.17	0.29	1.00000	ug/L	164033		10/25/05 2146	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.16	0.96	1.00000	ug/L	164033		10/25/05 2146	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241069

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241069-4
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U	*	0.12	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Trichlorofluoromethane	1.0	U	*	0.14	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Carbon tetrachloride	1.0	U	*	0.34	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241069-4
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163604		10/24/05 1156	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241069

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001-02-01-02 ATTN: Eric Evans

Customer Sample ID: TB101705
Date Sampled.....: 10/17/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241069-4
Date Received.....: 10/18/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163604		10/24/05 1156	jdh
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163604		10/24/05 1156	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241069 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Lab ID: 241069-1 Client ID: MCA-S0018-0-2-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163018	163018	10/18/2005	1453	
5035	5035 Archon Closed Purge & Trap	1	163686		10/25/2005	1956	
5035	5035 Preservation High (Methanol)	1	163052		10/19/2005	0500	
5035	5035 Preservation Low	1	163051		10/19/2005	0505	
5035	5035 Preservation Low	2	163051		10/19/2005	0500	
3050B	Acid Digestion: Solids (ICAP)	1	163127		10/19/2005	1240	
EDD	Electronic Data Deliverable	1					
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163170	163159	10/19/2005	1536	5
6010B	Metals Analysis (ICAP Trace)	1	163333	163127	10/20/2005	1330	
7470/7471	SW846 Digestion (Hg)	1	163159		10/19/2005	1245	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1446	1.00000
8260B	Volatile Organics	1	163730	163051-163686	10/25/2005	1956	1.00000

Lab ID: 241069-2 Client ID: MCA-S0DUP103-1005 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163018	163018	10/18/2005	1454	
3050B	Acid Digestion: Solids (ICAP)	1	163127		10/19/2005	1240	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163170	163159	10/19/2005	1539	10
6010B	Metals Analysis (ICAP Trace)	1	163333	163127	10/20/2005	1401	
7470/7471	SW846 Digestion (Hg)	1	163159		10/19/2005	1245	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1506	1.00000

Lab ID: 241069-3 Client ID: EB101705 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163477		10/22/2005	1618	
3010A	Acid Digestion (ICAP)	1	163049		10/18/2005	1815	
3510C	Extraction Sep. Funnel (SVOC)	1	163382		10/21/2005	1330	
7470A	Mercury (CVAA)	1	163418	163409	10/21/2005	1401	
6010B	Metals Analysis (ICAP Trace)	1	163229	163049	10/19/2005	2003	
7470/7471	SW846 Digestion (Hg)	1	163409		10/21/2005	1015	
8270C	Semivolatile Organics	1	164033	163382	10/25/2005	2146	1.00000
8260B	Volatile Organics	1	163510	163477	10/22/2005	1618	1.00000

Lab ID: 241069-4 Client ID: TB101705 Date Recvd: 10/18/2005 Sample Date: 10/17/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163477		10/22/2005	1641	
5030B	5030 10 mL Purge Prep	2	163575		10/24/2005	1156	
8260B	Volatile Organics	1	163604	163575	10/24/2005	1156	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 163730
Prep Batch..: 163051

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			10/25/2005	109	102	106	108
241069- 1		MCA-S0018-0-2-1005	10/25/2005	106	90	104	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163510
Prep Batch..: 163477

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/22/2005	103	101	108	100
LCS			10/22/2005	104	100	99	100
MB			10/22/2005	108	95	100	97
241069- 3		EB101705	10/22/2005	100	92	100	98

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163604
Prep Batch..: 163575

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/24/2005	102	100	107	100
LCS			10/24/2005	110	102	101	101
MB			10/24/2005	116	93	103	99
241069- 4		TB101705	10/24/2005	115	95	102	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 163730
Prep Batch..: 163686

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			10/25/2005	95	95	101	103
MB			10/25/2005	90	93	94	97

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SURROGATE RECOVERIES REPORT

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 163686
Method Code...: 8260B Batch(s).....: 163730

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

STL Chicago is part of Severn Trent Laboratories, Inc.

SURROGATE RECOVERIES REPORT

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Method.....: Semivolatile Organics Test Matrix...: Low Level Soil Prep Batch..: 163290
Method Code...: 8270 Batch(s).....: 164092

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/26/2005	87	77	86	76	83	80
MB			10/28/2005	76	71	78	73	78	81
241069- 1		MCA-S0018-0-2-1005	10/28/2005	80	81	79	74	81	86
241069- 2		MCA-SODUP103-1005	10/28/2005	96	81	78	76	81	85

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	20 - 150
2FLUBP	2-Fluorobiphenyl (surr)	41 - 108
2FLUPH	2-Fluorophenol (surr)	35 - 118
NITRD5	Nitrobenzene-d5 (surr)	22 - 108
PHEND5	Phenol-d5 (surr)	21 - 129
TERD14	Terphenyl-d14 (surr)	37 - 137

Method.....: Semivolatile Organics Test Matrix...: Low Level Water Prep Batch..: 163382
Method Code...: 8270 Batch(s).....: 164033

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/25/2005	77	65	44	69	31	73
MB			10/25/2005	72	64	46	67	28	76
241069- 3		EB101705	10/25/2005	72	60	38	64	25	70

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	30 - 109
2FLUBP	2-Fluorobiphenyl (surr)	24 - 116
2FLUPH	2-Fluorophenol (surr)	13 - 100
NITRD5	Nitrobenzene-d5 (surr)	20 - 100
PHEND5	Phenol-d5 (surr)	17 - 100
TERD14	Terphenyl-d14 (surr)	12 - 137

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWL8LKB	163382-002		10/25/2005	1650

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164033

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Water	ug/L	20.065		50.000	5.000 U	40	%	23-100	
Bis(2-chloroethyl)ether, Low Level Wat	ug/L	34.346		50.000	2.000 U	69	%	42-100	
1,3-Dichlorobenzene, Low Level Water	ug/L	24.004		50.000	2.000 U	48	%	38-100	
1,4-Dichlorobenzene, Low Level Water	ug/L	24.417		50.000	2.000 U	49	%	38-100	
1,2-Dichlorobenzene, Low Level Water	ug/L	25.814		50.000	2.000 U	52	%	36-100	
Benzyl alcohol, Low Level Water	ug/L	31.423		50.000	20.000 U	63	%	41-105	
2-Methylphenol (o-cresol), Low Level W	ug/L	31.363		50.000	2.000 U	63	%	26-100	
2,2-oxybis (1-chloropropane), Low Leve	ug/L	32.348		50.000	2.000 U	65	%	35-107	
n-Nitroso-di-n-propylamine, Low Level	ug/L	35.109		50.000	0.500 U	70	%	41-107	
Hexachloroethane, Low Level Water	ug/L	21.176		50.000	5.000 U	42	%	34-100	
4-Methylphenol (m/p-cresol), Low Level	ug/L	29.106		50.000	2.000 U	58	%	28-100	
2-Chlorophenol, Low Level Water	ug/L	34.945		50.000	5.000 U	70	%	43-100	
Nitrobenzene, Low Level Water	ug/L	34.199		50.000	1.000 U	68	%	41-105	
Bis(2-chloroethoxy)methane, Low Level	ug/L	35.845		50.000	2.000 U	72	%	48-106	
1,2,4-Trichlorobenzene, Low Level Wate	ug/L	24.628		50.000	2.000 U	49	%	45-100	
Benzoic acid, Low Level Water	ug/L	19.551	J	50.000	20.000 U	39	%	27-111	
Isophorone, Low Level Water	ug/L	35.524		50.000	2.000 U	71	%	47-100	
2,4-Dimethylphenol, Low Level Water	ug/L	33.754		50.000	10.000 U	68	%	22-100	
Hexachlorobutadiene, Low Level Water	ug/L	20.595		50.000	5.000 U	41	%	41-100	
Naphthalene, Low Level Water	ug/L	29.744		50.000	1.000 U	59	%	32-100	
2,4-Dichlorophenol, Low Level Water	ug/L	35.930		50.000	10.000 U	72	%	52-100	
4-Chloroaniline, Low Level Water	ug/L	36.331		50.000	10.000 U	73	%	38-114	
2,4,6-Trichlorophenol, Low Level Water	ug/L	35.933		50.000	5.000 U	72	%	51-101	
2,4,5-Trichlorophenol, Low Level Water	ug/L	37.283		50.000	10.000 U	75	%	54-107	
Hexachlorocyclopentadiene, Low Level W	ug/L	23.819		50.000	20.000 U	48	%	10-100	
2-Methylnaphthalene, Low Level Water	ug/L	28.642		50.000	0.500 U	57	%	27-100	
2-Nitroaniline, Low Level Water	ug/L	29.486		50.000	5.000 U	59	%	50-112	
2-Chloronaphthalene, Low Level Water	ug/L	28.335		50.000	2.000 U	57	%	53-100	
4-Chloro-3-methylphenol, Low Level Wat	ug/L	35.912		50.000	10.000 U	72	%	50-105	
2,6-Dinitrotoluene, Low Level Water	ug/L	38.038		50.000	0.500 U	76	%	57-110	
2-Nitrophenol, Low Level Water	ug/L	36.412		50.000	10.000 U	73	%	48-100	
3-Nitroaniline, Low Level Water	ug/L	41.290		50.000	10.000 U	83	%	50-109	
Dimethyl phthalate, Low Level Water	ug/L	36.873		50.000	2.000 U	74	%	58-104	
2,4-Dinitrophenol, Low Level Water	ug/L	37.752		50.000	20.000 U	76	%	40-125	
Acenaphthylene, Low Level Water	ug/L	32.004		50.000	1.000 U	64	%	39-107	
2,4-Dinitrotoluene, Low Level Water	ug/L	37.476		50.000	1.000 U	75	%	56-115	
Acenaphthene, Low Level Water	ug/L	30.661		50.000	1.000 U	61	%	37-105	
Dibenzofuran, Low Level Water	ug/L	32.480		50.000	2.000 U	65	%	42-101	
4-Nitrophenol, Low Level Water	ug/L	21.742		50.000	20.000 U	43	%	30-116	
Fluorene, Low Level Water	ug/L	33.676		50.000	1.000 U	67	%	46-105	
4-Nitroaniline, Low Level Water	ug/L	39.757		50.000	10.000 U	80	%	40-124	
4-Bromophenyl phenyl ether, Low Level	ug/L	36.288		50.000	5.000 U	73	%	54-112	
Hexachlorobenzene, Low Level Water	ug/L	36.448		50.000	0.500 U	73	%	50-113	
Diethyl phthalate, Low Level Water	ug/L	36.518		50.000	2.000 U	73	%	55-107	
4-Chlorophenyl phenyl ether, Low Level	ug/L	32.240		50.000	5.000 U	64	%	58-103	
Pentachlorophenol, Low Level Water	ug/L	35.205		50.000	10.000 U	70	%	50-112	
n-Nitrosodiphenylamine, Low Level Wate	ug/L	35.765		50.000	1.000 U	72	%	49-109	
4,6-Dinitro-2-methylphenol, Low Level	ug/L	41.239		50.000	20.000 U	82	%	56-125	
Phenanthrene, Low Level Water	ug/L	36.616		50.000	1.000 U	73	%	46-110	
Anthracene, Low Level Water	ug/L	35.637		50.000	1.000 U	71	%	50-111	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163382-002		10/25/2005	1650

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Water	ug/L	37.374		50.000	5.000 U	75	%	49-133	
Di-n-butyl phthalate, Low Level Water	ug/L	34.109		50.000	5.000 U	68	%	45-132	
Benzidine, Low Level Water	ug/L	60.819		50.000	40.000 U	122	%	10-100	*
Fluoranthene, Low Level Water	ug/L	37.559		50.000	1.000 U	75	%	50-118	
Pyrene, Low Level Water	ug/L	34.986		50.000	1.000 U	70	%	40-115	
Butyl benzyl phthalate, Low Level Wate	ug/L	35.138		50.000	2.000 U	70	%	52-111	
Benzo(a)anthracene, Low Level Water	ug/L	35.202		50.000	0.200 U	70	%	42-112	
Chrysene, Low Level Water	ug/L	36.261		50.000	0.500 U	73	%	38-116	
3,3-Dichlorobenzidine, Low Level Water	ug/L	36.020		50.000	5.000 U	72	%	30-104	
Bis(2-ethylhexyl)phthalate, Low Level	ug/L	33.436		50.000	10.000 U	67	%	50-150	
Di-n-octyl phthalate, Low Level Water	ug/L	31.830		50.000	10.000 U	64	%	31-152	
Benzo(b)fluoranthene, Low Level Water	ug/L	44.010		50.000	0.200 U	88	%	33-115	
Benzo(k)fluoranthene, Low Level Water	ug/L	29.058		50.000	0.200 U	58	%	27-135	
Benzo(a)pyrene, Low Level Water	ug/L	35.376		50.000	0.200 U	71	%	27-119	
Indeno(1,2,3-cd)pyrene, Low Level Wate	ug/L	36.070		50.000	0.200 U	72	%	18-133	
Dibenzo(a,h)anthracene, Low Level Wate	ug/L	36.481		50.000	0.300 U	73	%	18-125	
Benzo(ghi)perylene, Low Level Water	ug/L	35.324		50.000	1.000 U	71	%	27-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163382-001		10/25/2005	1631

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164033

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Water	ug/L	5.000	U							
Bis(2-chloroethyl)ether, Low Level Wat	ug/L	2.000	U							
1,3-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
1,4-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
1,2-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
Benzyl alcohol, Low Level Water	ug/L	20.000	U							
2-Methylphenol (o-cresol), Low Level W	ug/L	2.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/L	2.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/L	0.500	U							
Hexachloroethane, Low Level Water	ug/L	5.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/L	2.000	U							
2-Chlorophenol, Low Level Water	ug/L	5.000	U							
Nitrobenzene, Low Level Water	ug/L	1.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/L	2.000	U							
1,2,4-Trichlorobenzene, Low Level Wate	ug/L	2.000	U							
Benzoic acid, Low Level Water	ug/L	20.000	U							
Isophorone, Low Level Water	ug/L	2.000	U							
2,4-Dimethylphenol, Low Level Water	ug/L	10.000	U							
Hexachlorobutadiene, Low Level Water	ug/L	5.000	U							
Naphthalene, Low Level Water	ug/L	1.000	U							
2,4-Dichlorophenol, Low Level Water	ug/L	10.000	U							
4-Chloroaniline, Low Level Water	ug/L	10.000	U							
2,4,6-Trichlorophenol, Low Level Water	ug/L	5.000	U							
2,4,5-Trichlorophenol, Low Level Water	ug/L	10.000	U							
Hexachlorocyclopentadiene, Low Level W	ug/L	20.000	U							
2-Methylnaphthalene, Low Level Water	ug/L	0.500	U							
2-Nitroaniline, Low Level Water	ug/L	5.000	U							
2-Chloronaphthalene, Low Level Water	ug/L	2.000	U							
4-Chloro-3-methylphenol, Low Level Wat	ug/L	10.000	U							
2,6-Dinitrotoluene, Low Level Water	ug/L	0.500	U							
2-Nitrophenol, Low Level Water	ug/L	10.000	U							
3-Nitroaniline, Low Level Water	ug/L	10.000	U							
Dimethyl phthalate, Low Level Water	ug/L	2.000	U							
2,4-Dinitrophenol, Low Level Water	ug/L	20.000	U							
Acenaphthylene, Low Level Water	ug/L	1.000	U							
2,4-Dinitrotoluene, Low Level Water	ug/L	1.000	U							
Acenaphthene, Low Level Water	ug/L	1.000	U							
Dibenzofuran, Low Level Water	ug/L	2.000	U							
4-Nitrophenol, Low Level Water	ug/L	20.000	U							
Fluorene, Low Level Water	ug/L	1.000	U							
4-Nitroaniline, Low Level Water	ug/L	10.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/L	5.000	U							
Hexachlorobenzene, Low Level Water	ug/L	0.500	U							
Diethyl phthalate, Low Level Water	ug/L	2.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/L	5.000	U							
Pentachlorophenol, Low Level Water	ug/L	10.000	U							
n-Nitrosodiphenylamine, Low Level Wate	ug/L	1.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/L	20.000	U							
Phenanthrene, Low Level Water	ug/L	1.000	U							
Anthracene, Low Level Water	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163382-001		10/25/2005	1631

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Water	ug/L	5.000	U							
Di-n-butyl phthalate, Low Level Water	ug/L	5.000	U							
Benzidine, Low Level Water	ug/L	40.000	U							
Fluoranthene, Low Level Water	ug/L	1.000	U							
Pyrene, Low Level Water	ug/L	1.000	U							
Butyl benzyl phthalate, Low Level Wate	ug/L	2.000	U							
Benzo(a)anthracene, Low Level Water	ug/L	0.200	U							
Chrysene, Low Level Water	ug/L	0.500	U							
3,3-Dichlorobenzidine, Low Level Water	ug/L	5.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/L	10.000	U							
Di-n-octyl phthalate, Low Level Water	ug/L	10.000	U							
Benzo(b)fluoranthene, Low Level Water	ug/L	0.200	U							
Benzo(k)fluoranthene, Low Level Water	ug/L	0.200	U							
Benzo(a)pyrene, Low Level Water	ug/L	0.200	U							
Indeno(1,2,3-cd)pyrene, Low Level Wate	ug/L	0.200	U							
Dibenzo(a,h)anthracene, Low Level Wate	ug/L	0.300	U							
Benzo(ghi)perylene, Low Level Water	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 164092

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1629.550			1667.000	167.000	U	98	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1388.983			1667.000	167.000	U	83	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1261.034			1667.000	167.000	U	76	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1136.285			1667.000	167.000	U	68	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1262.924			1667.000	167.000	U	76	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1415.003			1667.000	330.000	U	85	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1335.777			1667.000	167.000	U	80	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1229.388			1667.000	167.000	U	74	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1322.107			1667.000	167.000	U	79	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1285.907			1667.000	167.000	U	77	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1439.356			1667.000	167.000	U	86	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1403.926			1667.000	167.000	U	84	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1309.770			1667.000	33.000	U	79	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1362.696			1667.000	167.000	U	82	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1305.254			1667.000	167.000	U	78	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1332.830	J		1667.000	1670.000	U	80	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1355.830			1667.000	167.000	U	81	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1393.503			1667.000	330.000	U	84	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1347.877			1667.000	167.000	U	81	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1270.911			1667.000	33.000	U	76	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1403.849			1667.000	330.000	U	84	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1290.187			1667.000	670.000	U	77	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1457.312			1667.000	330.000	U	87	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1511.555			1667.000	330.000	U	91	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1156.852			1667.000	670.000	U	69	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1276.741			1667.000	167.000	U	77	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1404.356			1667.000	167.000	U	84	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1323.370			1667.000	167.000	U	79	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1470.685			1667.000	330.000	U	88	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1507.452			1667.000	167.000	U	90	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1419.409			1667.000	330.000	U	85	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1442.719			1667.000	330.000	U	87	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1441.349			1667.000	167.000	U	86	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1394.829			1667.000	670.000	U	84	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1335.387			1667.000	33.000	U	80	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1381.416			1667.000	167.000	U	83	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1265.201			1667.000	33.000	U	76	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1365.380			1667.000	167.000	U	82	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1330.563			1667.000	670.000	U	80	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1311.290			1667.000	33.000	U	79	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1372.830			1667.000	330.000	U	82	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1289.567			1667.000	167.000	U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1374.746			1667.000	67.000	U	82	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1453.042			1667.000	167.000	U	87	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1399.956			1667.000	167.000	U	84	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1170.815			1667.000	670.000	U	70	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1326.700			1667.000	167.000	U	80	%	63-108	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1609.557			1667.000	330.000	U	97	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1391.923			1667.000	33.000	U	84	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1283.137			1667.000	33.000	U	77	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1381.293		1667.000	167.000 U	83	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1442.292		1667.000	167.000 U	87	%	51-130	
Benzidine, Low Level Soil	ug/Kg	1271.504	J	1670.000	1670.000 U	76	%	10-100	
Fluoranthene, Low Level Soil	ug/Kg	1313.507		1667.000	33.000 U	79	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1372.540		1667.000	33.000 U	82	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1485.928		1667.000	167.000 U	89	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1335.093		1667.000	33.000 U	80	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1351.173		1667.000	33.000 U	81	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	1398.699		1667.000	670.000 U	84	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1501.892		1667.000	167.000 U	90	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1547.025		1667.000	167.000 U	93	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1601.161		1667.000	33.000 U	96	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1255.254		1667.000	33.000 U	75	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1391.686		1667.000	33.000 U	84	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1402.539		1667.000	33.000 U	84	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1425.516		1667.000	33.000 U	86	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1370.210		1667.000	33.000 U	82	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	167.000	U							
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzyl alcohol, Low Level Soil	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), Low Level S	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	167.000	U							
Hexachloroethane, Low Level Soil	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	167.000	U							
2-Chlorophenol, Low Level Soil	ug/Kg	167.000	U							
Nitrobenzene, Low Level Soil	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzoic acid, Low Level Soil	ug/Kg	1670.000	U							
Isophorone, Low Level Soil	ug/Kg	167.000	U							
2,4-Dimethylphenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorobutadiene, Low Level Soil	ug/Kg	167.000	U							
Naphthalene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dichlorophenol, Low Level Soil	ug/Kg	330.000	U							
4-Chloroaniline, Low Level Soil	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, Low Level S	ug/Kg	670.000	U							
2-Methylnaphthalene, Low Level Soil	ug/Kg	167.000	U							
2-Nitroaniline, Low Level Soil	ug/Kg	167.000	U							
2-Chloronaphthalene, Low Level Soil	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	330.000	U							
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
2-Nitrophenol, Low Level Soil	ug/Kg	330.000	U							
3-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
Dimethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
2,4-Dinitrophenol, Low Level Soil	ug/Kg	670.000	U							
Acenaphthylene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
Acenaphthene, Low Level Soil	ug/Kg	33.000	U							
Dibenzofuran, Low Level Soil	ug/Kg	167.000	U							
4-Nitrophenol, Low Level Soil	ug/Kg	670.000	U							
Fluorene, Low Level Soil	ug/Kg	33.000	U							
4-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Hexachlorobenzene, Low Level Soil	ug/Kg	67.000	U							
Diethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Pentachlorophenol, Low Level Soil	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	330.000	U							
Phenanthrene, Low Level Soil	ug/Kg	33.000	U							
Anthracene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	167.000	U							
Di-n-butyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzidine, Low Level Soil	ug/Kg	1670.000	U							
Fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Pyrene, Low Level Soil	ug/Kg	33.000	U							
Butyl benzyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(a)anthracene, Low Level Soil	ug/Kg	33.000	U							
Chrysene, Low Level Soil	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	670.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	167.000	U							
Di-n-octyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(a)pyrene, Low Level Soil	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	33.000	U							
Benzo(ghi)perylene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J220SA	163477-027		10/22/2005	1942

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163510

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	8.797	18.300	25.000	1.000	U	35	%	24-171	
							70	R	20	*
Chloromethane	ug/L	18.851	14.358	25.000	1.000	U	75	%	31-182	
							27	R	20	*
Vinyl chloride	ug/L	19.941	19.274	25.000	1.000	U	80	%	50-145	
							3	R	20	
Bromomethane	ug/L	11.365	10.610	25.000	1.000	U	45	%	31-188	
							7	R	20	
Chloroethane	ug/L	23.492	21.261	25.000	1.000	U	94	%	58-148	
							10	R	20	
Trichlorofluoromethane	ug/L	17.427	24.694	25.000	1.000	U	70	%	54-142	
							35	R	20	*
1,1-Dichloroethene	ug/L	20.160	20.704	25.000	1.000	U	81	%	51-136	
							3	R	20	
Carbon disulfide	ug/L	18.886	18.430	25.000	5.000	U	76	%	21-111	
							2	R	20	
Acetone	ug/L	25.338	32.347	25.000	5.000	U	101	%	14-177	
							24	R	20	*
Methylene chloride	ug/L	23.624	20.324	25.000	1.000	U	94	%	64-127	
							15	R	20	
trans-1,2-Dichloroethene	ug/L	22.954	21.227	25.000	1.000	U	92	%	62-138	
							8	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.958	22.446	25.000	1.000	U	100	%	55-142	
							11	R	20	
1,1-Dichloroethane	ug/L	23.466	21.043	25.000	1.000	U	94	%	70-124	
							11	R	20	
2,2-Dichloropropane	ug/L	22.394	24.552	25.000	1.000	U	90	%	68-127	
							9	R	20	
cis-1,2-Dichloroethene	ug/L	24.427	21.125	25.000	1.000	U	98	%	70-125	
							15	R	20	
2-Butanone (MEK)	ug/L	23.065	25.492	25.000	5.000	U	92	%	29-139	
							10	R	20	
Bromochloromethane	ug/L	24.912	22.063	25.000	1.000	U	100	%	57-116	
							12	R	20	
Chloroform	ug/L	24.333	22.228	25.000	1.000	U	97	%	75-122	
							9	R	20	
1,1,1-Trichloroethane	ug/L	23.692	23.892	25.000	1.000	U	95	%	70-127	
							1	R	20	
1,1-Dichloropropene	ug/L	20.854	21.591	25.000	1.000	U	83	%	70-125	
							3	R	20	
Carbon tetrachloride	ug/L	20.563	25.112	25.000	1.000	U	82	%	64-132	
							20	R	20	
Benzene	ug/L	21.618	21.044	25.000	1.000	U	86	%	75-122	
							3	R	20	
1,2-Dichloroethane	ug/L	22.370	22.018	25.000	1.000	U	89	%	67-120	
							2	R	20	
Trichloroethene	ug/L	22.141	21.440	25.000	1.000	U	89	%	70-125	
							3	R	20	
1,2-Dichloropropane	ug/L	21.666	20.565	25.000	1.000	U	87	%	76-116	
							5	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J22DSA	163477-027		10/22/2005	1942

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.891	21.018	25.000	1.000 U	88 4	% R	68-116 20	
Bromodichloromethane	ug/L	24.698	24.353	25.000	1.000 U	99 1	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	22.463	21.856	26.000	1.000 U	86 3	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	21.411	21.186	25.000	5.000 U	86 1	% R	39-137 20	
Toluene	ug/L	22.665	22.128	25.000	1.000 U	91 2	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	20.406	20.921	24.000	1.000 U	85 2	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.003	21.248	25.000	1.000 U	96 12	% R	63-127 20	
Tetrachloroethene	ug/L	19.995	21.964	25.000	1.000 U	80 9	% R	45-150 20	
1,3-Dichloropropane	ug/L	21.443	21.174	25.000	1.000 U	86 1	% R	72-118 20	
2-Hexanone	ug/L	19.800	22.310	25.000	5.000 U	79 12	% R	36-144 20	
Dibromochloromethane	ug/L	22.901	22.443	25.000	1.000 U	92 2	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	22.580	21.474	25.000	1.000 U	90 5	% R	62-123 20	
Chlorobenzene	ug/L	21.276	20.967	25.000	1.000 U	85 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.509	23.228	25.000	1.000 U	94 1	% R	77-120 20	
Ethylbenzene	ug/L	21.954	22.150	25.000	1.000 U	88 1	% R	75-125 20	
m&p-Xylenes	ug/L	45.619	45.990	50.000	2.000 U	91 1	% R	75-123 20	
o-Xylene	ug/L	23.321	23.095	25.000	1.000 U	93 1	% R	76-121 20	
Styrene	ug/L	21.551	20.938	25.000	1.000 U	86 3	% R	77-128 20	
Bromoform	ug/L	22.645	22.227	25.000	1.000 U	91 2	% R	65-115 20	
Isopropylbenzene	ug/L	19.572	19.664	25.000	1.000 U	78 0	% R	64-119 20	
Bromobenzene	ug/L	22.032	21.315	25.000	1.000 U	88 3	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	20.361	19.368	25.000	1.000 U	81 5	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	20.543	19.999	25.000	1.000 U	82 3	% R	62-124 20	
n-Propylbenzene	ug/L	20.066	20.292	25.000	1.000 U	80 1	% R	69-132 20	
2-Chlorotoluene	ug/L	22.677	22.100	25.000	1.000 U	91 3	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	20.979	20.536	25.000	1.000 U	84 2	% R	70-132 20	
4-Chlorotoluene	ug/L	22.557	22.050	25.000	1.000 U	90 2	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J22DSA	163477-027		10/22/2005	1942

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	20.012	20.335	25.000	1.000 U	80 2	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	21.110	20.285	25.000	1.000 U	84 4	% R	71-131 20	
sec-Butylbenzene	ug/L	19.354	20.309	25.000	1.000 U	77 5	% R	70-134 20	
1,3-Dichlorobenzene	ug/L	21.216	20.274	25.000	1.000 U	85 5	% R	71-120 20	
p-Isopropyltoluene	ug/L	19.269	19.537	25.000	1.000 U	77 1	% R	66-130 20	
1,4-Dichlorobenzene	ug/L	20.785	19.713	25.000	1.000 U	83 5	% R	70-118 20	
n-Butylbenzene	ug/L	19.142	20.096	25.000	1.000 U	77 5	% R	64-142 20	
1,2-Dichlorobenzene	ug/L	21.597	20.342	25.000	1.000 U	86 6	% R	72-118 20	
1,2-Dibromo-3-chloropropane	ug/L	20.169	18.517	25.000	1.000 U	81 9	% R	57-119 20	
1,2,4-Trichlorobenzene	ug/L	21.402	19.754	25.000	1.000 U	86 8	% R	60-132 20	
Hexachlorobutadiene	ug/L	20.211	21.834	25.000	1.000 U	81 8	% R	63-145 20	
Naphthalene	ug/L	19.108	18.086	25.000	1.000 U	76 5	% R	57-128 20	
1,2,3-Trichlorobenzene	ug/L	21.402	19.590	25.000	1.000 U	86 9	% R	66-124 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J220SA	163477-026		10/22/2005	0951

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163510

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	18.300		25.000	1.000 U	73	%	24-171	
Chloromethane	ug/L	14.358		25.000	1.000 U	57	%	31-182	
Vinyl chloride	ug/L	19.274		25.000	1.000 U	77	%	50-145	
Bromomethane	ug/L	10.610		25.000	1.000 U	42	%	31-188	
Chloroethane	ug/L	21.261		25.000	1.000 U	85	%	58-148	
Trichlorofluoromethane	ug/L	24.694		25.000	1.000 U	99	%	54-142	
1,1-Dichloroethene	ug/L	20.704		25.000	1.000 U	83	%	51-136	
Carbon disulfide	ug/L	18.430		25.000	5.000 U	74	%	21-111	
Acetone	ug/L	32.347		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	20.324		25.000	1.000 U	81	%	64-127	
trans-1,2-Dichloroethene	ug/L	21.227		25.000	1.000 U	85	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	22.446		25.000	1.000 U	90	%	55-142	
1,1-Dichloroethane	ug/L	21.043		25.000	1.000 U	84	%	70-124	
2,2-Dichloropropane	ug/L	24.552		25.000	1.000 U	98	%	68-127	
cis-1,2-Dichloroethene	ug/L	21.125		25.000	1.000 U	84	%	70-125	
2-Butanone (MEK)	ug/L	25.492		25.000	5.000 U	102	%	29-139	
Bromochloromethane	ug/L	22.063		25.000	1.000 U	88	%	57-116	
Chloroform	ug/L	22.228		25.000	1.000 U	89	%	75-122	
1,1,1-Trichloroethane	ug/L	23.892		25.000	1.000 U	96	%	70-127	
1,1-Dichloropropene	ug/L	21.591		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	25.112		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	21.044		25.000	1.000 U	84	%	75-122	
1,2-Dichloroethane	ug/L	22.018		25.000	1.000 U	88	%	67-120	
Trichloroethene	ug/L	21.440		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	20.565		25.000	1.000 U	82	%	76-116	
Dibromomethane	ug/L	21.018		25.000	1.000 U	84	%	68-116	
Bromodichloromethane	ug/L	24.353		25.000	1.000 U	97	%	75-125	
cis-1,3-Dichloropropene	ug/L	21.856		26.000	1.000 U	84	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.186		25.000	5.000 U	85	%	39-137	
Toluene	ug/L	22.128		25.000	1.000 U	89	%	77-120	
trans-1,3-Dichloropropene	ug/L	20.921		24.000	1.000 U	87	%	68-119	
1,1,2-Trichloroethane	ug/L	21.248		25.000	1.000 U	85	%	63-127	
Tetrachloroethene	ug/L	21.964		25.000	1.000 U	88	%	45-150	
1,3-Dichloropropane	ug/L	21.174		25.000	1.000 U	85	%	72-118	
2-Hexanone	ug/L	22.310		25.000	5.000 U	89	%	36-144	
Dibromochloromethane	ug/L	22.443		25.000	1.000 U	90	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	21.474		25.000	1.000 U	86	%	62-123	
Chlorobenzene	ug/L	20.967		25.000	1.000 U	84	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.228		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	22.150		25.000	1.000 U	89	%	75-125	
m&p-Xylenes	ug/L	45.990		50.000	2.000 U	92	%	75-123	
o-Xylene	ug/L	23.095		25.000	1.000 U	92	%	76-121	
Styrene	ug/L	20.938		25.000	1.000 U	84	%	77-128	
Bromoform	ug/L	22.227		25.000	1.000 U	89	%	65-115	
Isopropylbenzene	ug/L	19.664		25.000	1.000 U	79	%	64-119	
Bromobenzene	ug/L	21.315		25.000	1.000 U	85	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	19.368		25.000	1.000 U	77	%	61-122	
1,2,3-Trichloropropane	ug/L	19.999		25.000	1.000 U	80	%	62-124	
n-Propylbenzene	ug/L	20.292		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	22.100		25.000	1.000 U	88	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J220SA	163477-026		10/22/2005	0951

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	20.536		25.000	1.000 U	82	%	70-132	
4-Chlorotoluene	ug/L	22.050		25.000	1.000 U	88	%	70-126	
tert-Butylbenzene	ug/L	20.335		25.000	1.000 U	81	%	70-133	
1,2,4-Trimethylbenzene	ug/L	20.285		25.000	1.000 U	81	%	71-131	
sec-Butylbenzene	ug/L	20.309		25.000	1.000 U	81	%	70-134	
1,3-Dichlorobenzene	ug/L	20.274		25.000	1.000 U	81	%	71-120	
p-Isopropyltoluene	ug/L	19.537		25.000	1.000 U	78	%	66-130	
1,4-Dichlorobenzene	ug/L	19.713		25.000	1.000 U	79	%	70-118	
n-Butylbenzene	ug/L	20.096		25.000	1.000 U	80	%	64-142	
1,2-Dichlorobenzene	ug/L	20.342		25.000	1.000 U	81	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	18.517		25.000	1.000 U	74	%	57-119	
1,2,4-Trichlorobenzene	ug/L	19.754		25.000	1.000 U	79	%	60-132	
Hexachlorobutadiene	ug/L	21.834		25.000	1.000 U	87	%	63-145	
Naphthalene	ug/L	18.086		25.000	1.000 U	72	%	57-128	
1,2,3-Trichlorobenzene	ug/L	19.590		25.000	1.000 U	78	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163477-025		10/22/2005	0929

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 163510

Analyst...: jdh

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163477-025		10/22/2005	0929

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163575-025		10/24/2005	1956

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 163604

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	14.540	30.293	25.000	1.000 U	58	%	24-171	
						70	R	20	*
Chloromethane	ug/L	22.251	20.277	25.000	1.000 U	89	%	31-182	
						9	R	20	
Vinyl chloride	ug/L	22.777	24.513	25.000	1.000 U	91	%	50-145	
						7	R	20	
Bromomethane	ug/L	13.770	17.020	25.000	1.000 U	55	%	31-188	
						21	R	20	*
Chloroethane	ug/L	24.754	25.552	25.000	1.000 U	99	%	58-148	
						3	R	20	
Trichlorofluoromethane	ug/L	19.686	29.765	25.000	1.000 U	79	%	54-142	
						41	R	20	*
1,1-Dichloroethene	ug/L	19.998	20.294	25.000	1.000 U	80	%	51-136	
						1	R	20	
Carbon disulfide	ug/L	17.709	17.634	25.000	5.000 U	71	%	21-111	
						0	R	20	
Acetone	ug/L	19.448	25.260	25.000	5.000 U	78	%	14-177	
						26	R	20	*
Methylene chloride	ug/L	23.581	19.455	25.000	1.000 U	94	%	64-127	
						19	R	20	
trans-1,2-Dichloroethene	ug/L	22.345	20.498	25.000	1.000 U	89	%	62-138	
						9	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.787	23.330	25.000	1.000 U	103	%	55-142	
						10	R	20	
1,1-Dichloroethane	ug/L	23.130	21.514	25.000	1.000 U	93	%	70-124	
						7	R	20	
2,2-Dichloropropane	ug/L	22.869	25.063	25.000	1.000 U	91	%	68-127	
						9	R	20	
cis-1,2-Dichloroethene	ug/L	23.682	20.898	25.000	1.000 U	95	%	70-125	
						12	R	20	
2-Butanone (MEK)	ug/L	21.676	19.717	25.000	5.000 U	87	%	29-139	
						9	R	20	
Bromochloromethane	ug/L	24.993	22.329	25.000	1.000 U	100	%	57-116	
						11	R	20	
Chloroform	ug/L	24.164	22.683	25.000	1.000 U	97	%	75-122	
						6	R	20	
1,1,1-Trichloroethane	ug/L	23.338	24.691	25.000	1.000 U	93	%	70-127	
						6	R	20	
1,1-Dichloropropene	ug/L	21.020	21.543	25.000	1.000 U	84	%	70-125	
						2	R	20	
Carbon tetrachloride	ug/L	20.539	26.848	25.000	1.000 U	82	%	64-132	
						27	R	20	*
Benzene	ug/L	21.436	21.048	25.000	1.000 U	86	%	75-122	
						2	R	20	
1,2-Dichloroethane	ug/L	22.119	23.912	25.000	1.000 U	88	%	67-120	
						8	R	20	
Trichloroethene	ug/L	21.342	21.566	25.000	1.000 U	85	%	70-125	
						1	R	20	
1,2-Dichloropropane	ug/L	21.733	20.324	25.000	1.000 U	87	%	76-116	
						7	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163575-025		10/24/2005	1956

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	21.572	22.262	25.000	1.000 U	86 3	% R	68-116 20	
Bromodichloromethane	ug/L	25.224	25.934	25.000	1.000 U	101 3	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	23.202	22.600	26.000	1.000 U	89 3	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	22.184	21.758	25.000	5.000 U	89 2	% R	39-137 20	
Toluene	ug/L	22.527	22.438	25.000	1.000 U	90 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	21.464	21.714	24.000	1.000 U	89 1	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	24.239	21.522	25.000	1.000 U	97 12	% R	63-127 20	
Tetrachloroethene	ug/L	20.616	22.319	25.000	1.000 U	82 8	% R	45-150 20	
1,3-Dichloropropane	ug/L	22.404	21.484	25.000	1.000 U	90 4	% R	72-118 20	
2-Hexanone	ug/L	21.173	20.505	25.000	5.000 U	85 3	% R	36-144 20	
Dibromochloromethane	ug/L	23.493	25.429	25.000	1.000 U	94 8	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	22.572	22.174	25.000	1.000 U	90 2	% R	62-123 20	
Chlorobenzene	ug/L	21.539	21.399	25.000	1.000 U	86 1	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.309	24.240	25.000	1.000 U	93 4	% R	77-120 20	
Ethylbenzene	ug/L	22.432	22.609	25.000	1.000 U	90 1	% R	75-125 20	
m&p-Xylenes	ug/L	46.119	48.299	50.000	2.000 U	92 5	% R	75-123 20	
o-Xylene	ug/L	23.922	23.838	25.000	1.000 U	96 0	% R	76-121 20	
Styrene	ug/L	21.673	21.190	25.000	1.000 U	87 2	% R	77-128 20	
Bromoform	ug/L	22.968	24.569	25.000	1.000 U	92 7	% R	65-115 20	
Isopropylbenzene	ug/L	20.279	20.183	25.000	1.000 U	81 0	% R	64-119 20	
Bromobenzene	ug/L	23.235	21.733	25.000	1.000 U	93 7	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	21.658	20.061	25.000	1.000 U	87 8	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	21.771	20.718	25.000	1.000 U	87 5	% R	62-124 20	
n-Propylbenzene	ug/L	20.527	20.676	25.000	1.000 U	82 1	% R	69-132 20	
2-Chlorotoluene	ug/L	23.365	22.770	25.000	1.000 U	93 3	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	21.444	21.305	25.000	1.000 U	86 1	% R	70-132 20	
4-Chlorotoluene	ug/L	22.853	22.962	25.000	1.000 U	91 0	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J24DSA	163575-025		10/24/2005	1956

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	20.572	20.716	25.000	1.000	U	82 1	% R	70-133 20	
1,2,4-Trimethylbenzene	ug/L	21.681	21.423	25.000	1.000	U	87 1	% R	71-131 20	
sec-Butylbenzene	ug/L	19.670	20.623	25.000	1.000	U	79 5	% R	70-134 20	
1,3-Dichlorobenzene	ug/L	21.820	21.030	25.000	1.000	U	87 4	% R	71-120 20	
p-Isopropyltoluene	ug/L	19.613	20.184	25.000	1.000	U	78 3	% R	66-130 20	
1,4-Dichlorobenzene	ug/L	20.997	20.301	25.000	1.000	U	84 3	% R	70-118 20	
n-Butylbenzene	ug/L	19.140	20.753	25.000	1.000	U	77 8	% R	64-142 20	
1,2-Dichlorobenzene	ug/L	22.280	21.108	25.000	1.000	U	89 5	% R	72-118 20	
1,2-Dibromo-3-chloropropane	ug/L	21.907	20.036	25.000	1.000	U	88 9	% R	57-119 20	
1,2,4-Trichlorobenzene	ug/L	21.710	20.298	25.000	1.000	U	87 7	% R	60-132 20	
Hexachlorobutadiene	ug/L	20.132	21.886	25.000	1.000	U	81 8	% R	63-145 20	
Naphthalene	ug/L	19.959	17.637	25.000	1.000	U	80 12	% R	57-128 20	
1,2,3-Trichlorobenzene	ug/L	21.764	20.019	25.000	1.000	U	87 8	% R	66-124 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J240SA	163575-024		10/24/2005	1002

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163604

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	30.293		25.000	1.000 U	121	%	24-171	
Chloromethane	ug/L	20.277		25.000	1.000 U	81	%	31-182	
Vinyl chloride	ug/L	24.513		25.000	1.000 U	98	%	50-145	
Bromomethane	ug/L	17.020		25.000	1.000 U	68	%	31-188	
Chloroethane	ug/L	25.552		25.000	1.000 U	102	%	58-148	
Trichlorofluoromethane	ug/L	29.765		25.000	1.000 U	119	%	54-142	
1,1-Dichloroethene	ug/L	20.294		25.000	1.000 U	81	%	51-136	
Carbon disulfide	ug/L	17.634		25.000	5.000 U	71	%	21-111	
Acetone	ug/L	25.260		25.000	5.000 U	101	%	14-177	
Methylene chloride	ug/L	19.455		25.000	1.000 U	78	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.498		25.000	1.000 U	82	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	23.330		25.000	1.000 U	93	%	55-142	
1,1-Dichloroethane	ug/L	21.514		25.000	1.000 U	86	%	70-124	
2,2-Dichloropropane	ug/L	25.063		25.000	1.000 U	100	%	68-127	
cis-1,2-Dichloroethene	ug/L	20.898		25.000	1.000 U	84	%	70-125	
2-Butanone (MEK)	ug/L	19.717		25.000	5.000 U	79	%	29-139	
Bromochloromethane	ug/L	22.329		25.000	1.000 U	89	%	57-116	
Chloroform	ug/L	22.683		25.000	1.000 U	91	%	75-122	
1,1,1-Trichloroethane	ug/L	24.691		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.543		25.000	1.000 U	86	%	70-125	
Carbon tetrachloride	ug/L	26.848		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	21.048		25.000	1.000 U	84	%	75-122	
1,2-Dichloroethane	ug/L	23.912		25.000	1.000 U	96	%	67-120	
Trichloroethene	ug/L	21.566		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	20.324		25.000	1.000 U	81	%	76-116	
Dibromomethane	ug/L	22.262		25.000	1.000 U	89	%	68-116	
Bromodichloromethane	ug/L	25.934		25.000	1.000 U	104	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.600		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.758		25.000	5.000 U	87	%	39-137	
Toluene	ug/L	22.438		25.000	1.000 U	90	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.714		24.000	1.000 U	90	%	68-119	
1,1,2-Trichloroethane	ug/L	21.522		25.000	1.000 U	86	%	63-127	
Tetrachloroethene	ug/L	22.319		25.000	1.000 U	89	%	45-150	
1,3-Dichloropropane	ug/L	21.484		25.000	1.000 U	86	%	72-118	
2-Hexanone	ug/L	20.505		25.000	5.000 U	82	%	36-144	
Dibromochloromethane	ug/L	25.429		25.000	1.000 U	102	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.174		25.000	1.000 U	89	%	62-123	
Chlorobenzene	ug/L	21.399		25.000	1.000 U	86	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.240		25.000	1.000 U	97	%	77-120	
Ethylbenzene	ug/L	22.609		25.000	1.000 U	90	%	75-125	
m&p-Xylenes	ug/L	48.299		50.000	2.000 U	97	%	75-123	
o-Xylene	ug/L	23.838		25.000	1.000 U	95	%	76-121	
Styrene	ug/L	21.190		25.000	1.000 U	85	%	77-128	
Bromoform	ug/L	24.569		25.000	1.000 U	98	%	65-115	
Isopropylbenzene	ug/L	20.183		25.000	1.000 U	81	%	64-119	
Bromobenzene	ug/L	21.733		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	20.061		25.000	1.000 U	80	%	61-122	
1,2,3-Trichloropropane	ug/L	20.718		25.000	1.000 U	83	%	62-124	
n-Propylbenzene	ug/L	20.676		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	22.770		25.000	1.000 U	91	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J24DSA	163575-024		10/24/2005	1002

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.305		25.000	1.000 U	85	%	70-132	
4-Chlorotoluene	ug/L	22.962		25.000	1.000 U	92	%	70-126	
tert-Butylbenzene	ug/L	20.716		25.000	1.000 U	83	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.423		25.000	1.000 U	86	%	71-131	
sec-Butylbenzene	ug/L	20.623		25.000	1.000 U	82	%	70-134	
1,3-Dichlorobenzene	ug/L	21.030		25.000	1.000 U	84	%	71-120	
p-Isopropyltoluene	ug/L	20.184		25.000	1.000 U	81	%	66-130	
1,4-Dichlorobenzene	ug/L	20.301		25.000	1.000 U	81	%	70-118	
n-Butylbenzene	ug/L	20.753		25.000	1.000 U	83	%	64-142	
1,2-Dichlorobenzene	ug/L	21.108		25.000	1.000 U	84	%	72-118	
1,2-Dibromo-3-chloropropane	ug/L	20.036		25.000	1.000 U	80	%	57-119	
1,2,4-Trichlorobenzene	ug/L	20.298		25.000	1.000 U	81	%	60-132	
Hexachlorobutadiene	ug/L	21.886		25.000	1.000 U	88	%	63-145	
Naphthalene	ug/L	17.637		25.000	1.000 U	71	%	57-128	
1,2,3-Trichlorobenzene	ug/L	20.019		25.000	1.000 U	80	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163575-023		10/24/2005	0940

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 163604

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U						
Chloromethane	ug/L	1.000	U						
Vinyl chloride	ug/L	1.000	U						
Bromomethane	ug/L	1.000	U						
Chloroethane	ug/L	1.000	U						
Trichlorofluoromethane	ug/L	1.000	U						
1,1-Dichloroethene	ug/L	1.000	U						
Carbon disulfide	ug/L	5.000	U						
Acetone	ug/L	5.000	U						
Methylene chloride	ug/L	1.000	U						
trans-1,2-Dichloroethene	ug/L	1.000	U						
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U						
1,1-Dichloroethane	ug/L	1.000	U						
2,2-Dichloropropane	ug/L	1.000	U						
cis-1,2-Dichloroethene	ug/L	1.000	U						
2-Butanone (MEK)	ug/L	5.000	U						
Bromochloromethane	ug/L	1.000	U						
Chloroform	ug/L	1.000	U						
1,1,1-Trichloroethane	ug/L	1.000	U						
1,1-Dichloropropene	ug/L	1.000	U						
Carbon tetrachloride	ug/L	1.000	U						
Benzene	ug/L	1.000	U						
1,2-Dichloroethane	ug/L	1.000	U						
Trichloroethene	ug/L	1.000	U						
1,2-Dichloropropane	ug/L	1.000	U						
Dibromomethane	ug/L	1.000	U						
Bromodichloromethane	ug/L	1.000	U						
cis-1,3-Dichloropropene	ug/L	1.000	U						
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U						
Toluene	ug/L	1.000	U						
trans-1,3-Dichloropropene	ug/L	1.000	U						
1,1,2-Trichloroethane	ug/L	1.000	U						
Tetrachloroethene	ug/L	1.000	U						
1,3-Dichloropropane	ug/L	1.000	U						
2-Hexanone	ug/L	5.000	U						
Dibromochloromethane	ug/L	1.000	U						
1,2-Dibromoethane (EDB)	ug/L	1.000	U						
Chlorobenzene	ug/L	1.000	U						
1,1,1,2-Tetrachloroethane	ug/L	1.000	U						
Ethylbenzene	ug/L	1.000	U						
m&p-Xylenes	ug/L	2.000	U						
o-Xylene	ug/L	1.000	U						
Styrene	ug/L	1.000	U						
Bromoform	ug/L	1.000	U						
Isopropylbenzene	ug/L	1.000	U						
Bromobenzene	ug/L	1.000	U						
1,1,2,2-Tetrachloroethane	ug/L	1.000	U						
1,2,3-Trichloropropane	ug/L	1.000	U						
n-Propylbenzene	ug/L	1.000	U						
2-Chlorotoluene	ug/L	1.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163575-023		10/24/2005	0940

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,4-Trichlorobenzene	ug/L	1.000	U							
Hexachlorobutadiene	ug/L	1.000	U							
Naphthalene	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241069	163051-003		10/25/2005	1931

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 163730

Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EBT	Extraction Blank 1	241069	163051-003		10/25/2005	1931

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSG	163686-013		10/25/2005	1906

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 163730

Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	16.195		50.000	5.000 U	32	%	39-159	*
Chloromethane, Solid	ug/Kg	30.446		50.000	5.000 U	61	%	42-180	
Vinyl chloride, Solid	ug/Kg	33.130		50.000	5.000 U	66	%	60-125	
Bromomethane, Solid	ug/Kg	60.732		50.000	5.000 U	121	%	39-165	
Chloroethane, Solid	ug/Kg	47.548		50.000	5.000 U	95	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	37.624		50.000	5.000 U	75	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	41.831		50.000	5.000 U	84	%	47-141	
Carbon disulfide, Solid	ug/Kg	44.609		50.000	5.000 U	89	%	22-118	
Acetone, Solid	ug/Kg	64.399		50.000	5.000 U	129	%	50-176	
Methylene chloride, Solid	ug/Kg	45.859		50.000	5.000 U	92	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	45.545		50.000	5.000 U	91	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	50.162		50.000	5.000 U	100	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	47.425		50.000	5.000 U	95	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	42.833		50.000	5.000 U	86	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	49.254		50.000	5.000 U	99	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	52.521		50.000	5.000 U	105	%	41-166	
Bromochloromethane, Solid	ug/Kg	48.820		50.000	5.000 U	98	%	61-122	
Chloroform, Solid	ug/Kg	48.776		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	46.936		50.000	5.000 U	94	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	46.006		50.000	5.000 U	92	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	45.812		50.000	5.000 U	92	%	67-130	
Benzene, Solid	ug/Kg	45.781		50.000	5.000 U	92	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	46.677		50.000	5.000 U	93	%	72-134	
Trichloroethene, Solid	ug/Kg	47.492		50.000	5.000 U	95	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	47.932		50.000	5.000 U	96	%	76-124	
Dibromomethane, Solid	ug/Kg	46.341		50.000	5.000 U	93	%	75-122	
Bromodichloromethane, Solid	ug/Kg	50.925		50.000	5.000 U	102	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	45.202		52.000	5.000 U	87	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.475		50.000	5.000 U	103	%	57-144	
Toluene, Solid	ug/Kg	46.349		50.000	5.000 U	93	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	42.035		48.000	5.000 U	88	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	49.766		50.000	5.000 U	100	%	79-133	
Tetrachloroethene, Solid	ug/Kg	42.964		50.000	5.000 U	86	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	43.934		50.000	5.000 U	88	%	81-123	
2-Hexanone, Solid	ug/Kg	46.812		50.000	5.000 U	94	%	57-148	
Dibromochloromethane, Solid	ug/Kg	48.298		50.000	5.000 U	97	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	47.052		50.000	5.000 U	94	%	77-123	
Chlorobenzene, Solid	ug/Kg	44.359		50.000	5.000 U	89	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	46.992		50.000	5.000 U	94	%	78-126	
Ethylbenzene, Solid	ug/Kg	44.629		50.000	5.000 U	89	%	73-121	
m&p-Xylenes, Solid	ug/Kg	92.069		100.000	10.000 U	92	%	73-122	
o-Xylene, Solid	ug/Kg	46.303		50.000	5.000 U	93	%	75-120	
Styrene, Solid	ug/Kg	47.627		50.000	5.000 U	95	%	76-124	
Bromoform, Solid	ug/Kg	46.575		50.000	5.000 U	93	%	72-132	
Isopropylbenzene, Solid	ug/Kg	43.505		50.000	5.000 U	87	%	59-114	
Bromobenzene, Solid	ug/Kg	47.159		50.000	5.000 U	94	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	42.122		50.000	5.000 U	84	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	45.660		50.000	5.000 U	91	%	75-126	
n-Propylbenzene, Solid	ug/Kg	47.288		50.000	5.000 U	95	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	47.190		50.000	5.000 U	94	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J25DSB	163686-013		10/25/2005	1906

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	47.011		50.000	5.000 U	94	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	46.343		50.000	5.000 U	93	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	45.131		50.000	5.000 U	90	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	46.236		50.000	5.000 U	92	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	45.274		50.000	5.000 U	91	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	42.885		50.000	5.000 U	86	%	65-121	
n-Butylbenzene, Solid	ug/Kg	44.339		50.000	5.000 U	89	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	44.185		50.000	5.000 U	88	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	39.577		50.000	5.000 U	79	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001-02-01-02 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163686-012		10/25/2005	1834

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 163730

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163686-012		10/25/2005	1834

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163049-002		10/19/2005	1705

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 163229

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.09806		0.10000	0.00210 U	98	%	80-120	
Barium	mg/L	1.96908		2.00000	0.00032 U	98	%	80-120	
Cadmium	mg/L	0.04833		0.05000	0.00036 U	97	%	80-120	
Chromium	mg/L	0.19884		0.20000	0.00179 B	99	%	80-120	
Lead	mg/L	0.10198		0.10000	0.00260 U	102	%	80-120	
Selenium	mg/L	0.10207		0.10000	0.00420 U	102	%	80-120	
Silver	mg/L	0.04886		0.05000	0.00201 B	98	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163049	163049-001		10/19/2005	1659

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 163229

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.00210 U							
Barium	mg/L	0.00032 U							
Cadmium	mg/L	0.00036 U							
Chromium	mg/L	0.00179 B							
Lead	mg/L	0.00260 U							
Selenium	mg/L	0.00420 U							
Silver	mg/L	0.00201 B							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163127-002		10/20/2005	1311

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.45		10.00	0.37	U	94	%	80-120	
Barium, Solid	mg/Kg	197.79		200.00	0.38	B	99	%	80-120	
Cadmium, Solid	mg/Kg	4.64		5.00	0.06	U	93	%	80-120	
Chromium, Solid	mg/Kg	19.34		20.00	0.30	B	97	%	80-120	
Lead, Solid	mg/Kg	9.67		10.00	0.25	U	97	%	80-120	
Selenium, Solid	mg/Kg	10.06		10.00	0.45	U	101	%	80-120	
Silver, Solid	mg/Kg	4.87		5.00	0.10	B	97	%	80-120	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163127	163127-001		10/20/2005	1305

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 163333

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.38	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.30	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	B							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241069-1		10/20/2005	1342

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	1.65				2.66	1.01	A	1.06	
Barium, Solid	mg/Kg	26.32				32.31	20.4	R	20.0	*
Cadmium, Solid	mg/Kg	0.24				0.30	0.06	A	0.21	
Chromium, Solid	mg/Kg	4.11				5.09	0.98	A	1.06	
Lead, Solid	mg/Kg	238.91				201.19	17.1	R	20.0	
Selenium, Solid	mg/Kg	0.48	U			0.48	U 0.01	A	1.06	
Silver, Solid	mg/Kg	0.11	U			0.11	U 0.01	A	0.53	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05ISPK001	241069-1		10/20/2005	1348

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 163333
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	12.70		10.91	2.66	92	%	75-125	
Barium, Solid	mg/Kg	247.42		218.20	32.31	99	%	75-125	
Cadmium, Solid	mg/Kg	5.18		5.45	0.30	89	%	75-125	
Chromium, Solid	mg/Kg	29.98		21.82	5.09	114	%	75-125	
Lead, Solid	mg/Kg	279.04		10.91	201.19	714	%	75-125	4
Selenium, Solid	mg/Kg	10.19		10.91	0.49	U 93	%	75-125	
Silver, Solid	mg/Kg	5.11		5.45	0.11	U 94	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M051SPK001	241069-1		10/20/2005	1355

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	12.26	12.70	11.35	2.66		85	%	75-125	
							7.9	R	20	
Barium, Solid	mg/Kg	249.58	247.42	227.10	32.31		96	%	75-125	
							3.1	R	20	
Cadmium, Solid	mg/Kg	5.42	5.18	5.68	0.30		90	%	75-125	
							1.1	R	20	
Chromium, Solid	mg/Kg	27.41	29.98	22.71	5.09		98	%	75-125	
							15.1	R	20	
Lead, Solid	mg/Kg	263.46	279.04	11.35	201.19		548	%	75-125	4
							26.3	R	20	*
Selenium, Solid	mg/Kg	10.69	10.19	11.35	0.51	U	94	%	75-125	
							1.1	R	20	
Silver, Solid	mg/Kg	5.38	5.11	5.68	0.11	U	95	%	75-125	
							1.1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241069-1		10/20/2005	1336

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163333

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.82	B			2.66					
Barium, Solid	mg/Kg	7.68				32.31		18.8	D	10.0	E
Cadmium, Solid	mg/Kg	0.08	B			0.30					
Chromium, Solid	mg/Kg	1.17				5.09					
Lead, Solid	mg/Kg	42.47				201.19		5.5	D	10.0	
Selenium, Solid	mg/Kg	0.49	U			0.49	U				
Silver, Solid	mg/Kg	0.11	U			0.11	U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241069 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001-02-01-02 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163018 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163018-001		%	0.1000 U								10/18/2005	1435

Test Method.....: 7471A Batch.....: 163170 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163159-007		mg/Kg	0.01 U								10/19/2005	1428
LCS	163159-008	MO4LSTK010	mg/Kg	0.17		0.17	0.01 U	105		%	80-120	10/19/2005	1430

Test Method.....: 7470A Batch.....: 163418 Analyst...: gok
Method Description.: Mercury (CVAA) Equipment Code....: HG4 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163409-007		mg/L	0.00008 U								10/21/2005	1302
LCS	163409-008	MO4LSTK010	mg/L	0.00203		0.00200	0.00008 U	102		%	80-120	10/21/2005	1304
MB	163410-007		mg/L	0.00008 U								10/21/2005	1407
LCS	163410-008	MO4LSTK010	mg/L	0.00209		0.00200	0.00008 U	105		%	80-120	10/21/2005	1410
MB	163411-007		mg/L	0.00008 U								10/21/2005	1516
LCS	163411-008	MO4LSTK010	mg/L	0.00205		0.00200	0.00008 U	102		%	80-120	10/21/2005	1518

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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University Park, IL 60466
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Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: AGL
Address: ADAT Way 10, EXECUTIVE PK 313 USHERS Rd BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EEVANS@AGL.COM

Bill To:
Contact:
Company: SAME AS REPORT TO
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 2410169

Package Sealed: Yes / No	Samples Sealed: Yes / No
Received on Ice: Yes / No	Samples Intact: Yes / No
Temperature °C of Cooler: (2.8)	(3.3)
Within Hold Time: Yes / No	Preserv. Indicated: Yes / No / NA
pH Check OK: Yes / No / NA	Res Cl_2 Check OK: Yes / No / NA
Sample Labels and COC Agree: Yes / No	COC not present

Sampler Name: M. Jackson
Signature: Mill D Jackson
Project Name: GW Plume Delineation
Project Number: OMA009-001-02-01-02
Project Location: MCA Barracks - Hunt Plume
Date Required: SEE TAT NOTES
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Markley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	RCRA Metals	SVOCs 8270C	VOCs (Chrom) 8260B	SVOCs 8270C	RCRA Metals
		MCA-GW032-15-1005	10-17-05	1525	GW	G	X					
		MCA-GW032-30-1005		1555								
		MCA-GW032-45-1005		1655								
1		MCA-SOIL8-0-2-1005		1500	Soil	C		X	X	X	X	X
2		MCA-SOIL8103-1005		1200	Soil			X	X	X	X	X
3		EB1017005		1730	W	G	X	X	X			
4		TB1017005		1800	W		X					

Refrg #: 3 | 1 | 2 | 3 | 1 | 1
 # / Cont.: 4ml | 250 | 1L | 5g | 4oz | 4oz
Volume: | HCl | Ice | Ice | pH | pH
Preserv:

Additional Analyses / Remarks
3-DAY TAT
STANDARD TAT

RELINQUISHED BY	COMPANY	DATE	TIME
[signature]	AGL	10-17-05	1960
RELINQUISHED BY	COMPANY	DATE	TIME

RECEIVED BY	COMPANY	DATE	TIME
[signature]	SR	10/18/05	1000
RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
3 DAY TAT for 3 Groundwater samples AS INDICATED

Date Received 10/18/05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

Note Number : 91362
Date : 10/18/2005
Author : lsm
Subject : RE: SDR

JOB

Project Code....:

Location Code...: 57222
Job/Sales Order.: 241069 HUNTER AAF

Customer.....: HYDROGEOLO HydroGeoLogic, Inc.
Contact Location: LATHAM NY Latham, NY
Contact.....: JACKSON M Mike Jackson

Invoice.....:

Batch.....:

Note For.....:

> SAMPLE MCA-S0018-0-2-1005 2 OF THE ENCORE ID'S SAY SOO8, THE TIMES MATCH
> FOR S0018. AND FOR SAMPLE MCA-SODUP103 CLIENT HAS VOC'S CHECKED BUT ONLY
> REC'D 2-4OZ JARS.NO ENCORES LIKE SAMPLE S0018.

Per Mike Jackson:
1. Correct ID is MCA-S0018-0-2-105 as written on the COC.
2. Sample MCA-SODUP103 does not need VOCs - I cancelled the 8260/5030 analysis for this sample.

Please include the SDR with the final report.

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241204

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/03/2005

Signature

11/3/05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (12) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | QA Specialist (Title) | 08102105 (Date)

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241204
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS/LCD (Laboratory Control Samples/Duplicates) had all five-control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The samples had all surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil samples were prepared using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. The soil samples were analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

Gary Rynkar
GC/MS Section Manager

11/3/15
Date

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SAMPLE INFORMATION
Date: 11/03/2005

Job Number.: 241204
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241204-1	MCA-GW022-55-1005	Water	10/20/2005	08:05	10/21/2005	09:45
241204-2	MCA-GW017-16-1005	Water	10/20/2005	09:00	10/21/2005	09:45
241204-3	MCA-GW016-30-1005	Water	10/20/2005	10:05	10/21/2005	09:45
241204-4	MCA-GW018-16-1005	Water	10/20/2005	12:40	10/21/2005	09:45
241204-5	MCA-GW028-16-1005	Water	10/20/2005	14:35	10/21/2005	09:45
241204-6	MCA-S0010-7-8-1005	Soil	10/20/2005	08:45	10/21/2005	09:45
241204-7	MCA-S009-7-8-1005	Soil	10/20/2005	09:15	10/21/2005	09:45
241204-8	MCA-S0011-7-8-1005	Soil	10/20/2005	12:25	10/21/2005	09:45
241204-9	MCA-S0015-7-8-1005	Soil	10/20/2005	14:20	10/21/2005	09:45
241204-10	MCA-GW015-16-1005	Water	10/20/2005	15:45	10/21/2005	09:45
241204-11	MCA-GW015-30-1005	Water	10/20/2005	16:15	10/21/2005	09:45
241204-12	MCA-GWDUP103-1005	Water	10/20/2005	11:09	10/21/2005	09:45
241204-13	TB102005	Water	10/20/2005	18:00	10/21/2005	09:45
241204-14	EB102005	Water	10/20/2005	17:20	10/21/2005	09:45

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW022-55-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Carbon disulfide	1.3	J		0.15	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Acetone	54			1.4	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	cis-1,2-Dichloroethene	11			0.20	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2-Butanone (MEK)	7.7		*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Benzene	1.8			0.23	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Trichloroethene	26			0.13	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW022-55-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW022-55-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-1
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2206	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW017-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-2
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Carbon disulfide	1.4	J		0.15	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW017-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-2
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW017-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-2
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2230	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 10:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-3
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Acetone	5.6			1.4	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 10:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-3
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW016-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 10:05
Sample Matrix.....: Water

Laboratory Sample ID: 241204-3
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2254	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW01B-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241204-4
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Acetone	5.7			1.4	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW018-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241204-4
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW018-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 241204-4
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2319	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW028-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241204-5
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Acetone	4.4	J		1.4	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW028-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241204-5
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW028-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:35
Sample Matrix.....: Water

Laboratory Sample ID: 241204-5
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/02/05 2343	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0010-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-6
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.9			0.10	0.10	1	%	163701		10/26/05 1143	pfk
	% Moisture, Solid	9.1			0.10	0.10	1	%	163701		10/26/05 1143	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.0	U		0.96	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chloromethane, Solid*	5.0	U		1.3	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Vinyl chloride, Solid*	5.0	U		0.78	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromomethane, Solid*	5.0	U		3.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chloroethane, Solid*	5.0	U		3.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Trichlorofluoromethane, Solid*	5.0	U		1.5	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1-Dichloroethene, Solid*	5.0	U		1.3	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Carbon disulfide, Solid*	5.0	U		1.0	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Acetone, Solid*	5.0	U		4.3	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Methylene chloride, Solid*	5.0	U		1.6	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	trans-1,2-Dichloroethene, Solid*	5.0	U		0.77	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	5.0	U		0.55	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1-Dichloroethane, Solid*	5.0	U		0.59	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2,2-Dichloropropane, Solid*	5.0	U		1.4	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	cis-1,2-Dichloroethene, Solid*	5.0	U		0.56	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2-Butanone (MEK), Solid*	5.0	U		2.2	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromochloromethane, Solid*	5.0	U		0.75	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chloroform, Solid*	5.0	U		0.68	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,1-Trichloroethane, Solid*	5.0	U		0.72	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1-Dichloropropene, Solid*	5.0	U		0.72	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Carbon tetrachloride, Solid*	5.0	U		0.73	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Benzene, Solid*	5.0	U		0.69	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2-Dichloroethane, Solid*	5.0	U		0.55	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Trichloroethene, Solid*	5.0	U		0.66	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0010-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-6
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	5.0	U		0.55	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Dibromomethane, Solid*	5.0	U		0.80	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromodichloromethane, Solid*	5.0	U		0.57	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	cis-1,3-Dichloropropene, Solid*	5.0	U		0.58	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	5.0	U		0.72	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Toluene, Solid*	5.0	U		1.7	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	trans-1,3-Dichloropropene, Solid*	5.0	U		0.60	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,2-Trichloroethane, Solid*	5.0	U		0.82	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Tetrachloroethene, Solid*	5.0	U		0.91	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,3-Dichloropropane, Solid*	5.0	U		0.61	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2-Hexanone, Solid*	5.0	U		1.2	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Dibromochloromethane, Solid*	5.0	U		0.65	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2-Dibromoethane (EDB), Solid*	5.0	U		0.64	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Chlorobenzene, Solid*	5.0	U		0.56	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,1,2-Tetrachloroethane, Solid*	5.0	U		0.60	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Ethylbenzene, Solid*	5.0	U		0.64	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	m&p-Xylenes, Solid*	10	U		1.2	10	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	o-Xylene, Solid*	5.0	U		0.62	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Styrene, Solid*	5.0	U		0.62	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromoform, Solid*	5.0	U		0.74	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Isopropylbenzene, Solid*	5.0	U		0.68	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	Bromobenzene, Solid*	5.0	U		0.49	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,1,2,2-Tetrachloroethane, Solid*	5.0	U		0.71	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2,3-Trichloropropane, Solid*	5.0	U		1.2	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	n-Propylbenzene, Solid*	5.0	U		0.74	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	2-Chlorotoluene, Solid*	5.0	U		0.66	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,3,5-Trimethylbenzene, Solid*	5.0	U		0.81	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	4-Chlorotoluene, Solid*	5.0	U		0.69	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	tert-Butylbenzene, Solid*	5.0	U		0.78	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0010-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-6
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	5.0	U		0.85	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	sec-Butylbenzene, Solid*	5.0	U		0.84	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	p-Isopropyltoluene, Solid*	5.0	U		0.82	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	n-Butylbenzene, Solid*	5.0	U		1.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2-Dibromo-3-chloropropane, Solid*	5.0	U		1.5	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn
	1,2,3-Trichlorobenzene, Solid*	5.0	U		1.1	5.0	1.00000	ug/Kg	164553		11/02/05 2035	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S009-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-7
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.7			0.10	0.10	1	%	163701		10/26/05 1144	pfk
	% Moisture, Solid	8.3			0.10	0.10	1	%	163701		10/26/05 1144	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.3	U		1.0	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chloromethane, Solid*	5.3	U		1.4	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Vinyl chloride, Solid*	5.3	U		0.83	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromomethane, Solid*	5.3	U		3.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chloroethane, Solid*	5.3	U		3.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Trichlorofluoromethane, Solid*	5.3	U		1.6	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1-Dichloroethene, Solid*	5.3	U		1.4	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Carbon disulfide, Solid*	5.3	U		1.1	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Acetone, Solid*	11			4.6	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Methylene chloride, Solid*	5.3	U		1.7	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	trans-1,2-Dichloroethene, Solid*	5.3	U		0.82	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	5.3	U		0.59	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1-Dichloroethane, Solid*	5.3	U		0.63	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2,2-Dichloropropane, Solid*	5.3	U		1.5	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	cis-1,2-Dichloroethene, Solid*	5.3	U		0.60	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2-Butanone (MEK), Solid*	5.3	U		2.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromochloromethane, Solid*	5.3	U		0.80	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chloroform, Solid*	5.3	U		0.73	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,1-Trichloroethane, Solid*	5.3	U		0.77	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1-Dichloropropene, Solid*	5.3	U		0.77	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Carbon tetrachloride, Solid*	5.3	U		0.78	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Benzene, Solid*	5.3	U		0.74	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2-Dichloroethane, Solid*	5.3	U		0.59	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Trichloroethene, Solid*	5.3	U		0.70	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S009-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-7
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	5.3	U		0.59	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Dibromomethane, Solid*	5.3	U		0.85	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromodichloromethane, Solid*	5.3	U		0.61	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	cis-1,3-Dichloropropene, Solid*	5.3	U		0.62	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	5.3	U		0.77	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Toluene, Solid*	5.3	U		1.8	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	trans-1,3-Dichloropropene, Solid*	5.3	U		0.64	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,2-Trichloroethane, Solid*	5.3	U		0.87	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Tetrachloroethene, Solid*	5.3	U		0.96	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,3-Dichloropropane, Solid*	5.3	U		0.65	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2-Hexanone, Solid*	5.3	U		1.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Dibromochloromethane, Solid*	5.3	U		0.69	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2-Dibromoethane (EDB), Solid*	5.3	U		0.68	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Chlorobenzene, Solid*	5.3	U		0.60	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,1,2-Tetrachloroethane, Solid*	5.3	U		0.64	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Ethylbenzene, Solid*	5.3	U		0.68	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	o-Xylene, Solid*	5.3	U		0.66	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Styrene, Solid*	5.3	U		0.66	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromoform, Solid*	5.3	U		0.79	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Isopropylbenzene, Solid*	5.3	U		0.73	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	Bromobenzene, Solid*	5.3	U		0.52	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,1,2,2-Tetrachloroethane, Solid*	5.3	U		0.76	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2,3-Trichloropropane, Solid*	5.3	U		1.3	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	n-Propylbenzene, Solid*	5.3	U		0.79	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	2-Chlorotoluene, Solid*	5.3	U		0.70	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,3,5-Trimethylbenzene, Solid*	5.3	U		0.86	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	4-Chlorotoluene, Solid*	5.3	U		0.74	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	tert-Butylbenzene, Solid*	5.3	U		0.83	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn

* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S009-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-7
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	5.3	U		0.91	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	sec-Butylbenzene, Solid*	5.3	U		0.90	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	p-Isopropyltoluene, Solid*	5.3	U		0.87	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	n-Butylbenzene, Solid*	5.3	U		1.2	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2-Dibromo-3-chloropropane, Solid*	5.3	U		1.6	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn
	1,2,3-Trichlorobenzene, Solid*	5.3	U		1.2	5.3	1.00000	ug/Kg	164553		11/02/05 2101	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0011-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-8
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	94.6			0.10	0.10	1	%	163701		10/26/05 1145	pfk
	% Moisture, Solid	5.4			0.10	0.10	1	%	163701		10/26/05 1145	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chloromethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Vinyl chloride, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromomethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chloroethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Trichlorofluoromethane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Carbon disulfide, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Acetone, Solid*	6.1	U		5.2	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Methylene chloride, Solid*	6.1	U		1.9	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	trans-1,2-Dichloroethene, Solid*	6.1	U		0.93	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1-Dichloroethane, Solid*	6.1	U		0.72	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2,2-Dichloropropane, Solid*	6.1	U		1.7	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	cis-1,2-Dichloroethene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2-Butanone (MEK), Solid*	6.1	U		2.7	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromochloromethane, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chloroform, Solid*	6.1	U		0.82	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,1-Trichloroethane, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1-Dichloropropene, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Carbon tetrachloride, Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Benzene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2-Dichloroethane, Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Trichloroethene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0011-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-8
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Dibromomethane, Solid*	6.1	U		0.97	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromodichloromethane, Solid*	6.1	U		0.69	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	cis-1,3-Dichloropropene, Solid*	6.1	U		0.70	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Toluene, Solid*	6.1	U		2.1	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,2-Trichloroethane, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Tetrachloroethene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,3-Dichloropropane, Solid*	6.1	U		0.74	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2-Hexanone, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Dibromochloromethane, Solid*	6.1	U		0.79	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Chlorobenzene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,1,2-Tetrachloroethane, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Ethylbenzene, Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	o-Xylene, Solid*	6.1	U		0.75	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Styrene, Solid*	6.1	U		0.75	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromoform, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Isopropylbenzene, Solid*	6.1	U		0.82	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	Bromobenzene, Solid*	6.1	U		0.59	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		0.86	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2,3-Trichloropropane, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	n-Propylbenzene, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	2-Chlorotoluene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,3,5-Trimethylbenzene, Solid*	6.1	U		0.98	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	4-Chlorotoluene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	tert-Butylbenzene, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0011-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 12:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-8
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	sec-Butylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	p-Isopropyltoluene, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	n-Butylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2-Dibromo-3-chloropropane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn
	1,2,3-Trichlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164553		11/02/05 2127	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0015-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-9
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.5			0.10	0.10	1	%	163701		10/26/05 1146	pfk
	% Moisture, Solid	8.5			0.10	0.10	1	%	163701		10/26/05 1146	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.4	U		1.0	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chloromethane, Solid*	5.4	U		1.4	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Vinyl chloride, Solid*	5.4	U		0.84	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromomethane, Solid*	5.4	U		3.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chloroethane, Solid*	5.4	U		3.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Trichlorofluoromethane, Solid*	5.4	U		1.6	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1-Dichloroethene, Solid*	5.4	U		1.4	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Carbon disulfide, Solid*	5.4	U		1.1	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Acetone, Solid*	5.4	U		4.6	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Methylene chloride, Solid*	5.4	U		1.7	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	trans-1,2-Dichloroethene, Solid*	5.4	U		0.83	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Methyl-tert-butyl-ether (MTBE), Solid*	5.4	U		0.59	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1-Dichloroethane, Solid*	5.4	U		0.64	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2,2-Dichloropropane, Solid*	5.4	U		1.5	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	cis-1,2-Dichloroethene, Solid*	5.4	U		0.60	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2-Butanone (MEK), Solid*	5.4	U		2.4	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromochloromethane, Solid*	5.4	U		0.81	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chloroform, Solid*	5.4	U		0.73	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,1-Trichloroethane, Solid*	5.4	U		0.78	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1-Dichloropropene, Solid*	5.4	U		0.78	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Carbon tetrachloride, Solid*	5.4	U		0.79	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Benzene, Solid*	5.4	U		0.75	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2-Dichloroethane, Solid*	5.4	U		0.59	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Trichloroethene, Solid*	5.4	U		0.71	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0015-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-9
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	5.4	U		0.59	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Dibromomethane, Solid*	5.4	U		0.86	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromodichloromethane, Solid*	5.4	U		0.62	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	cis-1,3-Dichloropropene, Solid*	5.4	U		0.63	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	5.4	U		0.78	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Toluene, Solid*	5.4	U		1.8	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	trans-1,3-Dichloropropene, Solid*	5.4	U		0.65	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,2-Trichloroethane, Solid*	5.4	U		0.89	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Tetrachloroethene, Solid*	5.4	U		0.97	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,3-Dichloropropane, Solid*	5.4	U		0.66	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2-Hexanone, Solid*	5.4	U		1.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Dibromochloromethane, Solid*	5.4	U		0.70	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2-Dibromoethane (EDB), Solid*	5.4	U		0.69	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Chlorobenzene, Solid*	5.4	U		0.60	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,1,2-Tetrachloroethane, Solid*	5.4	U		0.65	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Ethylbenzene, Solid*	5.4	U		0.69	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	o-Xylene, Solid*	5.4	U		0.67	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Styrene, Solid*	5.4	U		0.67	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromoform, Solid*	5.4	U		0.80	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Isopropylbenzene, Solid*	5.4	U		0.73	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	Bromobenzene, Solid*	5.4	U		0.53	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,1,2,2-Tetrachloroethane, Solid*	5.4	U		0.77	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2,3-Trichloropropane, Solid*	5.4	U		1.3	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	n-Propylbenzene, Solid*	5.4	U		0.80	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	2-Chlorotoluene, Solid*	5.4	U		0.71	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,3,5-Trimethylbenzene, Solid*	5.4	U		0.87	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	4-Chlorotoluene, Solid*	5.4	U		0.75	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	tert-Butylbenzene, Solid*	5.4	U		0.84	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0015-7-8-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 241204-9
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	5.4	U		0.92	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	sec-Butylbenzene, Solid*	5.4	U		0.91	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	p-Isopropyltoluene, Solid*	5.4	U		0.89	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	n-Butylbenzene, Solid*	5.4	U		1.2	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2-Dibromo-3-chloropropane, Solid*	5.4	U		1.6	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn
	1,2,3-Trichlorobenzene, Solid*	5.4	U		1.2	5.4	1.00000	ug/Kg	164553		11/02/05 2153	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241204-10
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241204-10
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-ODT ATTN: Eric Evans

Customer Sample ID: MCA-GW015-16-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 241204-10
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0007	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241204-11
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Acetone	7.6			1.4	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	cis-1,2-Dichloroethene	1.2		H	0.20	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241204-11
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW015-30-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241204-11
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0031	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP103-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 11:09
Sample Matrix.....: Water

Laboratory Sample ID: 241204-12
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Acetone	8.5			1.4	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	cis-1,2-Dichloroethene	1.3			0.20	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP103-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 11:09
Sample Matrix.....: Water

Laboratory Sample ID: 241204-12
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	m&p-Xylenes	1.1	J		0.36	2.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP103-1005
Date Sampled.....: 10/20/2005
Time Sampled.....: 11:09
Sample Matrix.....: Water

Laboratory Sample ID: 241204-12
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0055	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-13
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2-Butanone (MEK)	5.0	U	*	1.0	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-13
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241204-13
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U	*	0.41	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164516		11/03/05 0119	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241204 Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 241204-14
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Acetone	5.4		H	1.4	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Methylene chloride	1.6			0.24	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241204

Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 241204-14
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	m&p-Xylenes	2.7			0.36	2.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn

* In Description = Dry Wgt.

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Job Number: 241204

LABORATORY TEST RESULTS

Date:11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102005
Date Sampled.....: 10/20/2005
Time Sampled.....: 17:20
Sample Matrix.....: Water

Laboratory Sample ID: 241204-14
Date Received.....: 10/21/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164560		11/03/05 0921	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241204-1 Client ID: MCA-GW022-55-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2206	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164516	164512	11/02/2005	2206	1.00000

Lab ID: 241204-2 Client ID: MCA-GW017-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2230	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2230	1.00000

Lab ID: 241204-3 Client ID: MCA-GW016-30-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2254	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2254	1.00000

Lab ID: 241204-4 Client ID: MCA-GW018-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2319	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2319	1.00000

Lab ID: 241204-5 Client ID: MCA-GW028-16-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/02/2005	2343	
8260B	Volatile Organics	1	164516	164512	11/02/2005	2343	1.00000

Lab ID: 241204-6 Client ID: MCA-S0010-7-8-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1143	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2035	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0420	
5035	5035 Preservation Low	1	163422		10/22/2005	0420	
5035	5035 Preservation Low	1	163422		10/22/2005	0421	
5035	5035 Preservation Low	2	163422		10/22/2005	0420	
5035	5035 Preservation Low	2	163422		10/22/2005	0421	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2035	1.00000

Lab ID: 241204-7 Client ID: MCA-S009-7-8-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1144	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2101	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0421	
5035	5035 Preservation Low	1	163422		10/22/2005	0421	
5035	5035 Preservation Low	1	163422		10/22/2005	0422	
5035	5035 Preservation Low	2	163422		10/22/2005	0421	
5035	5035 Preservation Low	2	163422		10/22/2005	0422	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2101	1.00000

Lab ID: 241204-8 Client ID: MCA-S0011-7-8-1005 Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1145	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2127	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0422	
5035	5035 Preservation Low	1	163422		10/22/2005	0423	
5035	5035 Preservation Low	2	163422		10/22/2005	0423	

LABORATORY CHRONICLE

Job Number: 241204 Date: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241204-8 Client ID: MCA-S0011-7-8-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2127	1.00000

Lab ID: 241204-9 Client ID: MCA-S0015-7-8-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163701	163701	10/26/2005	1146	
5035	5035 Archon Closed Purge & Trap	1	164549		11/02/2005	2153	
5035	5035 Preservation High (Methanol)	1	163423		10/22/2005	0424	
5035	5035 Preservation Low	1	163422		10/22/2005	0424	
5035	5035 Preservation Low	2	163422		10/22/2005	0424	
Supplies	Bottles and Supplies - Charges	1	164456				
8260B	Volatile Organics	1	164553	163422-164549	11/02/2005	2153	1.00000

Lab ID: 241204-10 Client ID: MCA-GW015-16-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0007	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0007	1.00000

Lab ID: 241204-11 Client ID: MCA-GW015-30-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0031	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0031	1.00000

Lab ID: 241204-12 Client ID: MCA-GWDUP103-1005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0055	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0055	1.00000

Lab ID: 241204-13 Client ID: TB102005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0119	
8260B	Volatile Organics	1	164516	164512	11/03/2005	0119	1.00000

Lab ID: 241204-14 Client ID: EB102005
Date Recvd: 10/21/2005 Sample Date: 10/20/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164512		11/03/2005	0143	
5030B	5030 10 mL Purge Prep	2	164556		11/03/2005	0921	
8260B	Volatile Organics	1	164560	164556	11/03/2005	0921	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164553
Prep Batch..: 163422

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
241204--21	EB1		11/02/2005	84	96	86	90
241204- 6		MCA-S0010-7-8-1005	11/02/2005	88	105	89	94
241204- 7		MCA-S009-7-8-1005	11/02/2005	87	96	87	91
241204- 8		MCA-S0011-7-8-1005	11/02/2005	90	104	89	94
241204- 9		MCA-S0015-7-8-1005	11/02/2005	92	95	89	93

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164516
Prep Batch..: 164512

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/03/2005	87	103	111	101
LCS			11/02/2005	87	104	107	98
MB			11/02/2005	97	99	104	99
241204- 1		MCA-GW022-55-1005	11/02/2005	97	97	113	100
241204- 2		MCA-GW017-16-1005	11/02/2005	103	98	109	100
241204- 3		MCA-GW016-30-1005	11/02/2005	97	100	112	100
241204- 4		MCA-GW018-16-1005	11/02/2005	103	98	112	98
241204- 5		MCA-GW028-16-1005	11/02/2005	95	99	108	99
241204- 10		MCA-GW015-16-1005	11/03/2005	97	97	110	99
241204- 11		MCA-GW015-30-1005	11/03/2005	99	97	109	98
241204- 12		MCA-GWDUP103-1005	11/03/2005	99	99	112	100
241204- 13		TB102005	11/03/2005	104	96	113	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164553
Prep Batch..: 164549

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/02/2005	79	95	86	94
MB			11/02/2005	80	96	84	90

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: 483648 PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164556
Method Code...: 8260B Batch(s).....: 164560

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	92	104	110	101
MB			11/03/2005	99	97	108	101
241204- 14		EB102005	11/03/2005	98	101	109	98

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164512-027		11/03/2005	0609

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdh
Method Description.: Volatile Organics Batch.....: 164516

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.994	22.409	25.000	1.000 U	104	%	24-171	
						15	R	20	
Chloromethane	ug/L	24.521	21.092	25.000	1.000 U	98	%	31-182	
						15	R	20	
Vinyl chloride	ug/L	24.035	22.076	25.000	1.000 U	96	%	50-145	
						8	R	20	
Bromomethane	ug/L	29.452	34.530	25.000	1.000 U	118	%	31-188	
						16	R	20	
Chloroethane	ug/L	21.402	23.786	25.000	1.000 U	86	%	58-148	
						11	R	20	
Trichlorofluoromethane	ug/L	22.307	19.504	25.000	1.000 U	89	%	54-142	
						13	R	20	
1,1-Dichloroethene	ug/L	25.914	24.100	25.000	1.000 U	104	%	51-136	
						7	R	20	
Carbon disulfide	ug/L	23.961	21.604	25.000	5.000 U	96	%	21-111	
						10	R	20	
Acetone	ug/L	18.646	17.545	25.000	5.000 U	75	%	14-177	
						6	R	20	
Methylene chloride	ug/L	26.533	22.404	25.000	1.000 U	106	%	64-127	
						17	R	20	
trans-1,2-Dichloroethene	ug/L	25.911	23.470	25.000	1.000 U	104	%	62-138	
						10	R	20	
Methyl-tert-butyl-ether (MTBE)	ug/L	29.828	25.945	25.000	1.000 U	119	%	55-142	
						14	R	20	
1,1-Dichloroethane	ug/L	27.274	22.654	25.000	1.000 U	109	%	70-124	
						19	R	20	
2,2-Dichloropropane	ug/L	28.187	26.481	25.000	1.000 U	113	%	68-127	
						6	R	20	
cis-1,2-Dichloroethene	ug/L	28.336	23.876	25.000	1.000 U	113	%	70-125	
						17	R	20	
2-Butanone (MEK)	ug/L	25.946	18.718	25.000	5.000 U	104	%	29-139	
						32	R	20	*
Bromochloromethane	ug/L	23.546	19.371	25.000	1.000 U	94	%	57-116	
						19	R	20	
Chloroform	ug/L	27.114	22.812	25.000	1.000 U	108	%	75-122	
						17	R	20	
1,1,1-Trichloroethane	ug/L	26.031	22.619	25.000	1.000 U	104	%	70-127	
						14	R	20	
1,1-Dichloropropene	ug/L	24.142	21.057	25.000	1.000 U	97	%	70-125	
						14	R	20	
Carbon tetrachloride	ug/L	26.627	25.044	25.000	1.000 U	107	%	64-132	
						6	R	20	
Benzene	ug/L	24.375	21.662	25.000	1.000 U	98	%	75-122	
						12	R	20	
1,2-Dichloroethane	ug/L	25.187	22.982	25.000	1.000 U	101	%	67-120	
						9	R	20	
Trichloroethene	ug/L	23.634	21.528	25.000	1.000 U	95	%	70-125	
						9	R	20	
1,2-Dichloropropane	ug/L	24.983	22.343	25.000	1.000 U	100	%	76-116	
						11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164512-027		11/03/2005	0609

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	18.908	17.459	25.000	1.000 U	76	%	68-116	
						8	R	20	
Bromodichloromethane	ug/L	27.691	24.100	25.000	1.000 U	111	%	75-125	
						14	R	20	
cis-1,3-Dichloropropene	ug/L	24.934	22.636	26.000	1.000 U	96	%	72-115	
						10	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.790	22.065	25.000	5.000 U	103	%	39-137	
						16	R	20	
Toluene	ug/L	24.687	21.657	25.000	1.000 U	99	%	77-120	
						13	R	20	
trans-1,3-Dichloropropene	ug/L	23.528	21.435	24.000	1.000 U	98	%	68-119	
						9	R	20	
1,1,2-Trichloroethane	ug/L	28.077	23.451	25.000	1.000 U	112	%	63-127	
						18	R	20	
Tetrachloroethene	ug/L	23.787	22.315	25.000	1.000 U	95	%	45-150	
						6	R	20	
1,3-Dichloropropane	ug/L	25.876	23.421	25.000	1.000 U	104	%	72-118	
						10	R	20	
2-Hexanone	ug/L	23.081	20.942	25.000	5.000 U	92	%	36-144	
						10	R	20	
Dibromochloromethane	ug/L	25.557	23.642	25.000	1.000 U	102	%	73-116	
						8	R	20	
1,2-Dibromoethane (EDB)	ug/L	25.416	22.473	25.000	1.000 U	102	%	62-123	
						12	R	20	
Chlorobenzene	ug/L	23.096	21.009	25.000	1.000 U	92	%	76-116	
						9	R	20	
1,1,1,2-Tetrachloroethane	ug/L	25.453	23.263	25.000	1.000 U	102	%	77-120	
						9	R	20	
Ethylbenzene	ug/L	24.387	22.469	25.000	1.000 U	98	%	75-125	
						8	R	20	
m&p-Xylenes	ug/L	48.227	43.766	50.000	2.000 U	96	%	75-123	
						10	R	20	
o-Xylene	ug/L	25.011	22.694	25.000	1.000 U	100	%	76-121	
						10	R	20	
Styrene	ug/L	25.270	22.697	25.000	1.000 U	101	%	77-128	
						11	R	20	
Bromoform	ug/L	26.120	23.020	25.000	1.000 U	104	%	65-115	
						13	R	20	
Isopropylbenzene	ug/L	21.634	20.083	25.000	1.000 U	87	%	64-119	
						7	R	20	
Bromobenzene	ug/L	24.092	22.186	25.000	1.000 U	96	%	76-118	
						8	R	20	
1,1,2,2-Tetrachloroethane	ug/L	24.160	22.095	25.000	1.000 U	97	%	61-122	
						9	R	20	
1,2,3-Trichloropropane	ug/L	26.071	23.421	25.000	1.000 U	104	%	62-124	
						11	R	20	
n-Propylbenzene	ug/L	23.662	21.567	25.000	1.000 U	95	%	69-132	
						9	R	20	
2-Chlorotoluene	ug/L	23.756	21.420	25.000	1.000 U	95	%	70-127	
						10	R	20	
1,3,5-Trimethylbenzene	ug/L	24.683	22.416	25.000	1.000 U	99	%	70-132	
						10	R	20	
4-Chlorotoluene	ug/L	22.619	20.581	25.000	1.000 U	90	%	70-126	
						9	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164512-027		11/03/2005	0609

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	23.690	22.091	25.000	1.000	U	95	%	70-133	
							7	R	20	
1,2,4-Trimethylbenzene	ug/L	23.924	21.730	25.000	1.000	U	96	%	71-131	
							10	R	20	
sec-Butylbenzene	ug/L	23.694	21.698	25.000	1.000	U	95	%	70-134	
							9	R	20	
p-Isopropyltoluene	ug/L	23.177	21.126	25.000	1.000	U	93	%	66-130	
							9	R	20	
n-Butylbenzene	ug/L	23.198	21.462	25.000	1.000	U	93	%	64-142	
							8	R	20	
1,2-Dibromo-3-chloropropane	ug/L	25.091	20.329	25.000	1.000	U	100	%	57-119	
							21	R	20	*
1,2,3-Trichlorobenzene	ug/L	24.462	20.580	25.000	1.000	U	98	%	66-124	
							17	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSA	164512-026		11/02/2005	2029

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdh
Method Description.: Volatile Organics — Batch.....: 164516

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	22.409		25.000	1.000 U	90	%	24-171	
Chloromethane	ug/L	21.092		25.000	1.000 U	84	%	31-182	
Vinyl chloride	ug/L	22.076		25.000	1.000 U	88	%	50-145	
Bromomethane	ug/L	34.530		25.000	1.000 U	138	%	31-188	
Chloroethane	ug/L	23.786		25.000	1.000 U	95	%	58-148	
Trichlorofluoromethane	ug/L	19.504		25.000	1.000 U	78	%	54-142	
1,1-Dichloroethene	ug/L	24.100		25.000	1.000 U	96	%	51-136	
Carbon disulfide	ug/L	21.604		25.000	5.000 U	86	%	21-111	
Acetone	ug/L	17.545		25.000	5.000 U	70	%	14-177	
Methylene chloride	ug/L	22.404		25.000	1.000 U	90	%	64-127	
trans-1,2-Dichloroethene	ug/L	23.470		25.000	1.000 U	94	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.945		25.000	1.000 U	104	%	55-142	
1,1-Dichloroethane	ug/L	22.654		25.000	1.000 U	91	%	70-124	
2,2-Dichloropropane	ug/L	26.481		25.000	1.000 U	106	%	68-127	
cis-1,2-Dichloroethene	ug/L	23.876		25.000	1.000 U	96	%	70-125	
2-Butanone (MEK)	ug/L	18.718		25.000	5.000 U	75	%	29-139	
Bromochloromethane	ug/L	19.371		25.000	1.000 U	77	%	57-116	
Chloroform	ug/L	22.812		25.000	1.000 U	91	%	75-122	
1,1,1-Trichloroethane	ug/L	22.619		25.000	1.000 U	90	%	70-127	
1,1-Dichloropropene	ug/L	21.057		25.000	1.000 U	84	%	70-125	
Carbon tetrachloride	ug/L	25.044		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	21.662		25.000	1.000 U	87	%	75-122	
1,2-Dichloroethane	ug/L	22.982		25.000	1.000 U	92	%	67-120	
Trichloroethene	ug/L	21.528		25.000	1.000 U	86	%	70-125	
1,2-Dichloropropane	ug/L	22.343		25.000	1.000 U	89	%	76-116	
Dibromomethane	ug/L	17.459		25.000	1.000 U	70	%	68-116	
Bromodichloromethane	ug/L	24.100		25.000	1.000 U	96	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.636		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	22.065		25.000	5.000 U	88	%	39-137	
Toluene	ug/L	21.657		25.000	1.000 U	87	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.435		24.000	1.000 U	89	%	68-119	
1,1,2-Trichloroethane	ug/L	23.451		25.000	1.000 U	94	%	63-127	
Tetrachloroethene	ug/L	22.315		25.000	1.000 U	89	%	45-150	
1,3-Dichloropropane	ug/L	23.421		25.000	1.000 U	94	%	72-118	
2-Hexanone	ug/L	20.942		25.000	5.000 U	84	%	36-144	
Dibromochloromethane	ug/L	23.642		25.000	1.000 U	95	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.473		25.000	1.000 U	90	%	62-123	
Chlorobenzene	ug/L	21.009		25.000	1.000 U	84	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.263		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	22.469		25.000	1.000 U	90	%	75-125	
m&p-Xylenes	ug/L	43.766		50.000	2.000 U	88	%	75-123	
o-Xylene	ug/L	22.694		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.697		25.000	1.000 U	91	%	77-128	
Bromoform	ug/L	23.020		25.000	1.000 U	92	%	65-115	
Isopropylbenzene	ug/L	20.083		25.000	1.000 U	80	%	64-119	
Bromobenzene	ug/L	22.186		25.000	1.000 U	89	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.095		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	23.421		25.000	1.000 U	94	%	62-124	
n-Propylbenzene	ug/L	21.567		25.000	1.000 U	86	%	69-132	
2-Chlorotoluene	ug/L	21.420		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSA	164512-026		11/02/2005	2029

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	22.416		25.000	1.000	U	90	%	70-132	
4-Chlorotoluene	ug/L	20.581		25.000	1.000	U	82	%	70-126	
tert-Butylbenzene	ug/L	22.091		25.000	1.000	U	88	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.730		25.000	1.000	U	87	%	71-131	
sec-Butylbenzene	ug/L	21.698		25.000	1.000	U	87	%	70-134	
p-Isopropyltoluene	ug/L	21.126		25.000	1.000	U	85	%	66-130	
n-Butylbenzene	ug/L	21.462		25.000	1.000	U	86	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	20.329		25.000	1.000	U	81	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.580		25.000	1.000	U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164512-025		11/02/2005	1917

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164516

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164512-025		11/02/2005	1917

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	1204	163422-009		11/02/2005	2010

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164553

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000 U							
Chloromethane, Solid	ug/Kg	5.000 U							
Vinyl chloride, Solid	ug/Kg	5.000 U							
Bromomethane, Solid	ug/Kg	5.000 U							
Chloroethane, Solid	ug/Kg	5.000 U							
Trichlorofluoromethane, Solid	ug/Kg	5.000 U							
1,1-Dichloroethene, Solid	ug/Kg	5.000 U							
Carbon disulfide, Solid	ug/Kg	5.000 U							
Acetone, Solid	ug/Kg	5.000 U							
Methylene chloride, Solid	ug/Kg	5.000 U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000 U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000 U							
1,1-Dichloroethane, Solid	ug/Kg	5.000 U							
2,2-Dichloropropane, Solid	ug/Kg	5.000 U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000 U							
2-Butanone (MEK), Solid	ug/Kg	5.000 U							
Bromochloromethane, Solid	ug/Kg	5.000 U							
Chloroform, Solid	ug/Kg	5.000 U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000 U							
1,1-Dichloropropene, Solid	ug/Kg	5.000 U							
Carbon tetrachloride, Solid	ug/Kg	5.000 U							
Benzene, Solid	ug/Kg	5.000 U							
1,2-Dichloroethane, Solid	ug/Kg	5.000 U							
Trichloroethene, Solid	ug/Kg	5.000 U							
1,2-Dichloropropane, Solid	ug/Kg	5.000 U							
Dibromomethane, Solid	ug/Kg	5.000 U							
Bromodichloromethane, Solid	ug/Kg	5.000 U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000 U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000 U							
Toluene, Solid	ug/Kg	5.000 U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000 U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000 U							
Tetrachloroethene, Solid	ug/Kg	5.000 U							
1,3-Dichloropropane, Solid	ug/Kg	5.000 U							
2-Hexanone, Solid	ug/Kg	5.000 U							
Dibromochloromethane, Solid	ug/Kg	5.000 U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000 U							
Chlorobenzene, Solid	ug/Kg	5.000 U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000 U							
Ethylbenzene, Solid	ug/Kg	5.000 U							
m&p-Xylenes, Solid	ug/Kg	10.000 U							
o-Xylene, Solid	ug/Kg	5.000 U							
Styrene, Solid	ug/Kg	5.000 U							
Bromoform, Solid	ug/Kg	5.000 U							
Isopropylbenzene, Solid	ug/Kg	5.000 U							
Bromobenzene, Solid	ug/Kg	5.000 U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000 U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000 U							
n-Propylbenzene, Solid	ug/Kg	5.000 U							
2-Chlorotoluene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	1204	163422-009		11/02/2005	2010

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSB	164549-006		11/02/2005	1926

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164553

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	40.599		50.000	5.000 U	81	%	39-159	
Chloromethane, Solid	ug/Kg	50.981		50.000	5.000 U	102	%	42-180	
Vinyl chloride, Solid	ug/Kg	50.952		50.000	5.000 U	102	%	60-125	
Bromomethane, Solid	ug/Kg	57.767		50.000	5.000 U	116	%	39-165	
Chloroethane, Solid	ug/Kg	52.389		50.000	5.000 U	105	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	47.261		50.000	5.000 U	95	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	47.905		50.000	5.000 U	96	%	47-141	
Carbon disulfide, Solid	ug/Kg	41.711		50.000	5.000 U	83	%	22-118	
Acetone, Solid	ug/Kg	49.931		50.000	5.000 U	100	%	50-176	
Methylene chloride, Solid	ug/Kg	45.421		50.000	5.000 U	91	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	48.162		50.000	5.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	50.841		50.000	5.000 U	102	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	48.213		50.000	5.000 U	96	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	46.916		50.000	5.000 U	94	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	50.386		50.000	5.000 U	101	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	42.636		50.000	5.000 U	85	%	41-166	
Bromochloromethane, Solid	ug/Kg	50.557		50.000	5.000 U	101	%	61-122	
Chloroform, Solid	ug/Kg	49.020		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	49.046		50.000	5.000 U	98	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	47.187		50.000	5.000 U	94	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	47.803		50.000	5.000 U	96	%	67-130	
Benzene, Solid	ug/Kg	48.567		50.000	5.000 U	97	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.179		50.000	5.000 U	94	%	72-134	
Trichloroethene, Solid	ug/Kg	48.333		50.000	5.000 U	97	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	48.292		50.000	5.000 U	97	%	76-124	
Dibromomethane, Solid	ug/Kg	47.442		50.000	5.000 U	95	%	75-122	
Bromodichloromethane, Solid	ug/Kg	52.924		50.000	5.000 U	106	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	48.756		52.000	5.000 U	94	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.930		50.000	5.000 U	96	%	57-144	
Toluene, Solid	ug/Kg	48.936		50.000	5.000 U	98	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.284		48.000	5.000 U	94	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	50.950		50.000	5.000 U	102	%	79-133	
Tetrachloroethene, Solid	ug/Kg	45.715		50.000	5.000 U	91	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	47.563		50.000	5.000 U	95	%	81-123	
2-Hexanone, Solid	ug/Kg	44.865		50.000	5.000 U	90	%	57-148	
Dibromochloromethane, Solid	ug/Kg	49.148		50.000	5.000 U	98	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.415		50.000	5.000 U	101	%	77-123	
Chlorobenzene, Solid	ug/Kg	47.424		50.000	5.000 U	95	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	50.917		50.000	5.000 U	102	%	78-126	
Ethylbenzene, Solid	ug/Kg	47.994		50.000	5.000 U	96	%	73-121	
m&p-Xylenes, Solid	ug/Kg	95.885		100.000	10.000 U	96	%	73-122	
o-Xylene, Solid	ug/Kg	48.623		50.000	5.000 U	97	%	75-120	
Styrene, Solid	ug/Kg	49.522		50.000	5.000 U	99	%	76-124	
Bromoform, Solid	ug/Kg	47.188		50.000	5.000 U	94	%	72-132	
Isopropylbenzene, Solid	ug/Kg	45.688		50.000	5.000 U	91	%	59-114	
Bromobenzene, Solid	ug/Kg	49.854		50.000	5.000 U	100	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	48.088		50.000	5.000 U	96	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	49.126		50.000	5.000 U	98	%	75-126	
n-Propylbenzene, Solid	ug/Kg	48.983		50.000	5.000 U	98	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	50.116		50.000	5.000 U	100	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 241204

QUALITY CONTROL RESULTS

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSB	164549-006		11/02/2005	1926

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	49.790		50.000	5.000	U	100	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	47.685		50.000	5.000	U	95	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	49.921		50.000	5.000	U	100	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	49.533		50.000	5.000	U	99	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	48.918		50.000	5.000	U	98	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	47.016		50.000	5.000	U	94	%	65-121	
n-Butylbenzene, Solid	ug/Kg	48.041		50.000	5.000	U	96	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	46.222		50.000	5.000	U	92	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	46.961		50.000	5.000	U	94	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 — Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164549-005		11/02/2005	1826

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164553

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164549-005		11/02/2005	1826

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 164560

Analyst...: jdn

LCS	Laboratory Control Sample	V05K030SA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	24.596		25.000	1.000 U	98	%	24-171	
Chloromethane	ug/L	23.139		25.000	1.000 U	93	%	31-182	
Vinyl chloride	ug/L	23.593		25.000	1.000 U	94	%	50-145	
Bromomethane	ug/L	36.069		25.000	1.000 U	144	%	31-188	
Chloroethane	ug/L	24.925		25.000	1.000 U	100	%	58-148	
Trichlorofluoromethane	ug/L	23.512		25.000	1.000 U	94	%	54-142	
1,1-Dichloroethene	ug/L	23.485		25.000	1.000 U	94	%	51-136	
Carbon disulfide	ug/L	19.501		25.000	5.000 U	78	%	21-111	
Acetone	ug/L	15.836		25.000	5.000 U	63	%	14-177	
Methylene chloride	ug/L	24.600		25.000	1.000 U	98	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.967		25.000	1.000 U	100	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.335		25.000	1.000 U	105	%	55-142	
1,1-Dichloroethane	ug/L	24.431		25.000	1.000 U	98	%	70-124	
2,2-Dichloropropane	ug/L	26.214		25.000	1.000 U	105	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.399		25.000	1.000 U	102	%	70-125	
2-Butanone (MEK)	ug/L	22.335		25.000	5.000 U	89	%	29-139	
Bromochloromethane	ug/L	21.150		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	24.934		25.000	1.000 U	100	%	75-122	
1,1,1-Trichloroethane	ug/L	24.721		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.711		25.000	1.000 U	87	%	70-125	
Carbon tetrachloride	ug/L	25.119		25.000	1.000 U	100	%	64-132	
Benzene	ug/L	22.737		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	24.438		25.000	1.000 U	98	%	67-120	
Trichloroethene	ug/L	21.840		25.000	1.000 U	87	%	70-125	
1,2-Dichloropropane	ug/L	23.262		25.000	1.000 U	93	%	76-116	
Dibromomethane	ug/L	18.348		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	25.772		25.000	1.000 U	103	%	75-125	
cis-1,3-Dichloropropene	ug/L	23.250		26.000	1.000 U	89	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.661		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	23.219		25.000	1.000 U	93	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.875		24.000	1.000 U	91	%	68-119	
1,1,2-Trichloroethane	ug/L	25.810		25.000	1.000 U	103	%	63-127	
Tetrachloroethene	ug/L	21.816		25.000	1.000 U	87	%	45-150	
1,3-Dichloropropane	ug/L	24.044		25.000	1.000 U	96	%	72-118	
2-Hexanone	ug/L	22.797		25.000	5.000 U	91	%	36-144	
Dibromochloromethane	ug/L	24.227		25.000	1.000 U	97	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.135		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	21.805		25.000	1.000 U	87	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	24.058		25.000	1.000 U	96	%	77-120	
Ethylbenzene	ug/L	23.067		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	44.841		50.000	2.000 U	90	%	75-123	
o-Xylene	ug/L	23.379		25.000	1.000 U	94	%	76-121	
Styrene	ug/L	23.884		25.000	1.000 U	96	%	77-128	
Bromoform	ug/L	23.789		25.000	1.000 U	95	%	65-115	
Isopropylbenzene	ug/L	19.620		25.000	1.000 U	78	%	64-119	
Bromobenzene	ug/L	21.750		25.000	1.000 U	87	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	21.942		25.000	1.000 U	88	%	61-122	
1,2,3-Trichloropropane	ug/L	24.418		25.000	1.000 U	98	%	62-124	
n-Propylbenzene	ug/L	20.862		25.000	1.000 U	83	%	69-132	
2-Chlorotoluene	ug/L	21.606		25.000	1.000 U	86	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164556-010		11/03/2005	0857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.978		25.000	1.000 U	88	%	70-132	
4-Chlorotoluene	ug/L	20.756		25.000	1.000 U	83	%	70-126	
tert-Butylbenzene	ug/L	21.516		25.000	1.000 U	86	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.358		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	21.066		25.000	1.000 U	84	%	70-134	
p-Isopropyltoluene	ug/L	20.238		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.444		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.125		25.000	1.000 U	92	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.586		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204 Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Test Method.....: 82608 Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164560

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164556-009		11/03/2005	0833

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241204

Report Date.: 11/03/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids

Batch.....: 163701
Equipment Code...:

Analyst...: pfk
Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F	*	Limits	Date	Time
MB	163701-001		%	0.1000 U							10/26/2005	1140

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
$	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PARK
313 USHERS RD
BALLSTON LAKE, NY 12019
Phone: (518) 877-0839
Fax: (518) 877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: SMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 3

Lab Lot# 241204

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 2.5

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: GW Plume Delineation
Project Number: SMA009-001
Project Location: MCA BARRACKS HUNTER AAP
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: LINDA MACKLEY

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrig #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B ethene	MOISTURE (TPH Fractions)	Additional Analyses / Remarks
								3	3	1				
								40ml	5g	40z				
								HCl	None					
1		MCA-GW022-55-1005		0805	W	G					X			STANDARD TAT
2		MCA-GW017-16-1005		0900										↓ ↓
		MCA-GW016-16-1005		~~1005~~										TIME 0935 3DAY TAT*
3		MCA-GW016-30-1005		1005										STANDARD TAT
4		MCA-GW018-16-1005		1240										
5		MCA-GW023-16-1005		1435	↓	↓					↓			
6		MCA-SO010-7-8-1005		0845	S	C						X	X	
7		MCA-SO009-7-8-1005		0915										
8		MCA-SO011-7-8-1005		1225										
9		MCA-SO015-7-8-1005		1420	↓	↓						↓	↓	
10		MCA-GW015-16-1005		1545	W	G					X			
11		MCA-GW015-30-1005		1615	↓	↓					↓			

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-20-05			STL	10/21/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10, 21, 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PARK
213 USHERS Rd.
BALLSTON LAKE, NY 12019
Phone: (518) 877-0390
Fax: (518) 877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: 04A009-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 241204

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: 04A009-001
Project Location: MCA BARRACKS – ALNGR AAF
Lab PM: LINDA MACKEY
Date Required
Hard Copy: ____/____/____
Fax: ____/____/____

Refrg #	2a											
# / Cont.	3	2										
Volume	40ml	40ml										
Preserv	HCl	HCl										

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCS 8260B	VOCS 8260B	Additional Analyses / Remarks
12		MCA-GWDUP103-1005	10-20-05	1109	GW	G	X		STD TAT
13		TB102005	↓	1900	↓	↓		X	↓ ↓
14		EB102005	↓	1720	↓	↓	X		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-20-05	1810		STL	10/21/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10/21/05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241151

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 10/31/2005

Linda S Mackley
Signature

10-31-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (85) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241151
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS 163893 had one spike recovery, Chloroform (122%), outside the QAPP specified QC limit. The LCS 164055 had one spike recovery, Acetone (185%), outside the QAPP specified QC limit. The LCS/LCD (Laboratory Control Samples/Laboratory Control Duplicate) had all other control spike recoveries within the QC limits. LCD 163893 had 7 RPD values and LCD 164055 had 5 RPD values outside QAPP specified limits

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. LCD 164055 had one surrogate recovery outside the QAPP specified QC limits. The other samples had all surrogate recoveries within the QAPP specified QC limits.

6. The water samples were prepared using the 5030 water method. The soil samples were prepared using the low level Method 5035. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria were met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. An initial dilution for sample matrix was required on sample 3. Secondary dilutions for target compounds were required on samples 3, 4 and 5. Results were adjusted for the dilutions performed. The soil samples were analyzed using the low-level method 5035 procedure. The soil results and reporting limits were adjusted to account for the sample weights, analytical procedure, and on a dry weight basis.

JoAnn Petruszak-Kmetty
GC/MS Dept.

10-31-05
Date

Severn Trent Services - Chicago
GC/MS BNA Case Narrative

HydroGeoLogic, Inc./OMA009-001/Hunter AAF
JOB Number: 241151
BNA DATA:

1. All extractions and analyses were performed within recommended hold-times.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Sample) and MS/MSD (Matrix Spike/Matrix Spike Duplicate) had all control spike recoveries within the QC limits and one control RPD value above the QC limit.

4. All samples had all surrogate recoveries within the in-house QC limits.

5. All samples had all internal standard areas and retention times within the SOP acceptance limits.

6. All samples were analyzed following USEPA SW846 8270C protocol. Sample 12 required a 2x initial dilution.

Gary Rynkar
GC/MS Section Manager

10/3/15
Date

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SAMPLE INFORMATION
Date: 10/31/2005

Job Number.: 241151
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241151-1	MCA-GW007-30-1005	Water	10/19/2005	11:00	10/20/2005	09:30
241151-2	MCA-GW007-39-1005	Water	10/19/2005	13:05	10/20/2005	09:30
241151-3	MCA-GW009-15-1005	Water	10/19/2005	13:45	10/20/2005	09:30
241151-4	MCA-GW009-30-1005	Water	10/19/2005	14:30	10/20/2005	09:30
241151-5	MCA-GWDUP102-1005	Water	10/19/2005	10:03	10/20/2005	09:30
241151-6	MCA-S0003-6-7-1005	Soil	10/19/2005	10:25	10/20/2005	09:30
241151-7	MCA-S0005-6-7-1005	Soil	10/19/2005	13:35	10/20/2005	09:30
241151-8	MCA-SODUP102-1005	Soil	10/19/2005	11:17	10/20/2005	09:30
241151-9	MCA-GW009-45-1005	Water	10/19/2005	15:00	10/20/2005	09:30
241151-10	TB101905	Water	10/19/2005	18:00	10/20/2005	09:30
241151-11	MCA-S00017-5-7-1005	Soil	10/19/2005	17:40	10/20/2005	09:30
241151-12	MCA-S0016-6-7-1005	Soil	10/19/2005	17:05	10/20/2005	09:30
241151-13	EB101905	Water	10/19/2005	18:05	10/20/2005	09:30

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Trichloroethene	3.3			0.13	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CNA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-1
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1319	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon disulfide	1.0	J		0.15	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Acetone	12			1.4	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW007-39-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-2
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1343	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	2.0	U		0.24	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloromethane	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Vinyl chloride	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromomethane	2.0	U	*	1.2	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroethane	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichlorofluoromethane	2.0	U		0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethene	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon disulfide	10	U		0.30	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Acetone	10	U		2.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methylene chloride	2.0	U	*	0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,2-Dichloroethene	5.7		*	0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Methyl-tert-butyl-ether (MTBE)	2.0	U	*	0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloroethane	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2,2-Dichloropropane	2.0	U	*	0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,2-Dichloroethene	74			0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Butanone (MEK)	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromochloromethane	2.0	U	*	0.54	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chloroform	5.5		*	0.28	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1-Trichloroethane	2.0	U		0.34	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1-Dichloropropene	2.0	U		0.76	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Carbon tetrachloride	2.0	U		0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Benzene	2.0	U		0.46	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dichloroethane	2.0	U		0.50	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Trichloroethene	950			2.6	20	20.0000	ug/L	163960	D1	10/27/05 1432	jdn
	1,2-Dichloropropane	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromomethane	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromodichloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	cis-1,3-Dichloropropene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CHA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	10	U		1.8	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Toluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	trans-1,3-Dichloropropene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2-Trichloroethane	2.0	U		0.48	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Tetrachloroethene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3-Dichloropropane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Hexanone	10	U		2.0	10	2.00000	ug/L	163960		10/27/05 1408	jdn
	Dibromochloromethane	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2-Dibromoethane (EDB)	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Chlorobenzene	2.0	U		0.30	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,1,2-Tetrachloroethane	2.0	U		0.66	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Ethylbenzene	2.0	U		0.42	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	m&p-Xylenes	4.0	U		0.72	4.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	o-Xylene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Styrene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromoform	2.0	U		0.64	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Isopropylbenzene	2.0	U		0.40	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	Bromobenzene	2.0	U		0.44	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,1,2,2-Tetrachloroethane	2.0	U	*	0.68	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichloropropane	2.0	U	*	0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Propylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	2-Chlorotoluene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,3,5-Trimethylbenzene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	4-Chlorotoluene	2.0	U		0.36	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	tert-Butylbenzene	2.0	U		0.32	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,4-Trimethylbenzene	2.0	U		0.52	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	sec-Butylbenzene	2.0	U		0.38	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	p-Isopropyltoluene	2.0	U		0.58	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	n-Butylbenzene	2.0	U		0.70	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-15-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:45
Sample Matrix.....: Water

Laboratory Sample ID: 241151-3
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	2.0	U		0.82	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn
	1,2,3-Trichlorobenzene	2.0	U		0.86	2.0	2.00000	ug/L	163960		10/27/05 1408	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethene	1.4			0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,2-Dichloroethene	7.5		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,2-Dichloroethene	110			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Trichloroethene	490			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1520	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Tetrachloroethene	5.8			0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,4-Trimethylbenzene	2.0			0.26	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-30-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 241151-4
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1456	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethene	1.3			0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,2-Dichloroethene	3.9		*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,2-Dichloroethene	130			2.0	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Trichloroethene	610			1.3	10	10.0000	ug/L	163960	D1	10/27/05 1608	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Tetrachloroethene	5.1			0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,4-Trimethylbenzene	1.8			0.26	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	sec-Butylbenzene	0.40	J	a	0.19	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:03
Sample Matrix.....: Water

Laboratory Sample ID: 241151-5
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1544	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.9			0.10	0.10	1	%	163280		10/20/05 1526	pfk
	% Moisture, Solid	6.1			0.10	0.10	1	%	163280		10/20/05 1526	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035	U		0.0065	0.035	1	mg/Kg	163415		10/21/05 1447	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.85	U		0.31	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Barium, Solid*	8.5			0.061	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1737	tds
	Chromium, Solid*	3.3			0.085	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Lead, Solid*	4.8			0.21	0.42	1	mg/Kg	163565		10/24/05 1737	tds
	Selenium, Solid*	0.85	U		0.38	0.85	1	mg/Kg	163565		10/24/05 1737	tds
	Silver, Solid*	0.42	U		0.085	0.42	1	mg/Kg	163565		10/24/05 1737	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloromethane, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Vinyl chloride, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromomethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroethane, Solid*	5.9	U		3.7	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichlorofluoromethane, Solid*	5.9	U	*	1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloroethene, Solid*	5.9	U		1.5	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon disulfide, Solid*	5.9	U		1.2	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Acetone, Solid*	5.9	U	*	5.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methylene chloride, Solid*	5.9	U		1.9	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,2-Dichloroethene, Solid*	5.9	U		0.91	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.9	U		0.70	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2,2-Dichloropropane, Solid*	5.9	U	*	1.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,2-Dichloroethene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Butanone (MEK), Solid*	5.9	U	*	2.6	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromochloromethane, Solid*	5.9	U		0.88	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chloroform, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1-Trichloroethane, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1-Dichloropropene, Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Carbon tetrachloride, Solid*	5.9	U		0.86	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Benzene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloroethane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Trichloroethene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dichloropropane, Solid*	5.9	U		0.65	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromomethane, Solid*	5.9	U		0.94	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromodichloromethane, Solid*	5.9	U		0.67	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	cis-1,3-Dichloropropene, Solid*	5.9	U		0.68	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.9	U		0.85	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Toluene, Solid*	5.9	U		2.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	trans-1,3-Dichloropropene, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2-Trichloroethane, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Tetrachloroethene, Solid*	5.9	U		1.1	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3-Dichloropropane, Solid*	5.9	U		0.72	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Hexanone, Solid*	5.9	U	*	1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Dibromochloromethane, Solid*	5.9	U		0.77	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromoethane (EDB), Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Chlorobenzene, Solid*	5.9	U		0.66	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.9	U		0.71	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Ethylbenzene, Solid*	5.9	U		0.75	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	m&p-Xylenes, Solid*	12	U		1.4	12	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0003-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 10:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-6
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Styrene, Solid*	5.9	U		0.73	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromoform, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Isopropylbenzene, Solid*	5.9	U		0.80	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	Bromobenzene, Solid*	5.9	U		0.58	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.9	U		0.84	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichloropropane, Solid*	5.9	U		1.4	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Propylbenzene, Solid*	5.9	U		0.87	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	2-Chlorotoluene, Solid*	5.9	U		0.78	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,3,5-Trimethylbenzene, Solid*	5.9	U		0.95	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	4-Chlorotoluene, Solid*	5.9	U		0.81	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	tert-Butylbenzene, Solid*	5.9	U		0.92	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,4-Trimethylbenzene, Solid*	5.9	U		1.0	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	sec-Butylbenzene, Solid*	5.9	U		0.99	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	p-Isopropyltoluene, Solid*	5.9	U		0.97	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	n-Butylbenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.9	U		1.8	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges
	1,2,3-Trichlorobenzene, Solid*	5.9	U		1.3	5.9	1.00000	ug/Kg	164085		10/28/05 1200	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.3			0.10	0.10	1	%	163280		10/20/05 1528	pfk
	% Moisture, Solid	3.7			0.10	0.10	1	%	163280		10/20/05 1528	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0063	0.034	1	mg/Kg	163415		10/21/05 1453	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.83	U		0.31	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Barium, Solid*	2.6			0.060	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Cadmium, Solid*	0.17	U		0.048	0.17	1	mg/Kg	163565		10/24/05 1741	tds
	Chromium, Solid*	1.3			0.083	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Lead, Solid*	1.6			0.21	0.41	1	mg/Kg	163565		10/24/05 1741	tds
	Selenium, Solid*	0.83	U		0.37	0.83	1	mg/Kg	163565		10/24/05 1741	tds
	Silver, Solid*	0.41	U		0.083	0.41	1	mg/Kg	163565		10/24/05 1741	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloromethane, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Vinyl chloride, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromomethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroethane, Solid*	5.7	U		3.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichlorofluoromethane, Solid*	5.7	U	*	1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloroethene, Solid*	5.7	U		1.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon disulfide, Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Acetone, Solid*	5.7	U	*	4.9	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methylene chloride, Solid*	5.7	U		1.8	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,2-Dichloroethene, Solid*	5.7	U		0.88	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.7	U		0.68	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2,2-Dichloropropane, Solid*	5.7	U	*	1.6	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,2-Dichloroethene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Butanone (MEK), Solid*	5.7	U	*	2.5	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromochloromethane, Solid*	5.7	U		0.86	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chloroform, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1-Trichloroethane, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1-Dichloropropene, Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Carbon tetrachloride, Solid*	5.7	U		0.84	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Benzene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloroethane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Trichloroethene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dichloropropane, Solid*	5.7	U		0.63	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromomethane, Solid*	5.7	U		0.92	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromodichloromethane, Solid*	5.7	U		0.65	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	cis-1,3-Dichloropropene, Solid*	5.7	U		0.67	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.7	U		0.83	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Toluene, Solid*	5.7	U		2.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	trans-1,3-Dichloropropene, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2-Trichloroethane, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Tetrachloroethene, Solid*	5.7	U		1.0	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3-Dichloropropane, Solid*	5.7	U		0.70	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Hexanone, Solid*	5.7	U	*	1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Dibromochloromethane, Solid*	5.7	U		0.75	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromoethane (EDB), Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Chlorobenzene, Solid*	5.7	U		0.64	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.7	U		0.69	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Ethylbenzene, Solid*	5.7	U		0.74	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	m&p-Xylenes, Solid*	11	U		1.4	11	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0005-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 13:35
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-7
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Styrene, Solid*	5.7	U		0.71	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromoform, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Isopropylbenzene, Solid*	5.7	U		0.78	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	Bromobenzene, Solid*	5.7	U		0.56	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.7	U		0.82	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichloropropane, Solid*	5.7	U		1.4	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Propylbenzene, Solid*	5.7	U		0.85	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	2-Chlorotoluene, Solid*	5.7	U		0.76	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,3,5-Trimethylbenzene, Solid*	5.7	U		0.93	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	4-Chlorotoluene, Solid*	5.7	U		0.79	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	tert-Butylbenzene, Solid*	5.7	U		0.90	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,4-Trimethylbenzene, Solid*	5.7	U		0.98	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	sec-Butylbenzene, Solid*	5.7	U		0.96	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	p-Isopropyltoluene, Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	n-Butylbenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.7	U		1.7	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges
	1,2,3-Trichlorobenzene, Solid*	5.7	U		1.3	5.7	1.00000	ug/Kg	164085		10/28/05 1136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 241151

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.8			0.10	0.10	1	%	163280		10/20/05 1529	pfk
	% Moisture, Solid	4.2			0.10	0.10	1	%	163280		10/20/05 1529	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0064	0.034	1	mg/Kg	163415		10/21/05 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.84	U		0.31	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Barium, Solid*	3.4			0.061	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Cadmium, Solid*	0.17	U		0.049	0.17	1	mg/Kg	163565		10/24/05 1746	tds
	Chromium, Solid*	1.3			0.084	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Lead, Solid*	1.5			0.21	0.42	1	mg/Kg	163565		10/24/05 1746	tds
	Selenium, Solid*	0.84	U		0.38	0.84	1	mg/Kg	163565		10/24/05 1746	tds
	Silver, Solid*	0.42	U		0.084	0.42	1	mg/Kg	163565		10/24/05 1746	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloromethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Vinyl chloride, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromomethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroethane, Solid*	6.1	U		3.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichlorofluoromethane, Solid*	6.1	U	*	1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon disulfide, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Acetone, Solid*	6.1	U	*	5.2	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methylene chloride, Solid*	6.1	U		2.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,2-Dichloroethene, Solid*	6.1	U		0.94	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	6.1	U		0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	6.1	U		0.72	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2,2-Dichloropropane, Solid*	6.1	U	*	1.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,2-Dichloroethene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Butanone (MEK), Solid*	6.1	U	*	2.7	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromochloromethane, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chloroform, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1-Trichloroethane, Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1-Dichloropropene, Solid*	7.3			0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Carbon tetrachloride, Solid*	6.1	U		0.89	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Benzene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloroethane, Solid*	5.8	J	a	0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Trichloroethene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dichloropropane, Solid*	47			0.67	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromomethane, Solid*	6.1	U		0.98	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromodichloromethane, Solid*	6.1	U		0.70	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	cis-1,3-Dichloropropene, Solid*	6.1	U		0.71	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Methyl-2-pentanone (MIBK), Solid*	6.1	U		0.88	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Toluene, Solid*	6.1	U		2.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2-Trichloroethane, Solid*	13			1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Tetrachloroethene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3-Dichloropropane, Solid*	6.1	U		0.74	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Hexanone, Solid*	6.1	U	*	1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Dibromochloromethane, Solid*	6.1	U		0.79	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromoethane (EDB), Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Chlorobenzene, Solid*	6.1	U		0.68	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,1,2-Tetrachloroethane, Solid*	6.1	U		0.73	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Ethylbenzene, Solid*	6.1	U		0.78	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	m&p-Xylenes, Solid*	12	U		1.5	12	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 11:17
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-8
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Styrene, Solid*	6.1	U		0.76	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromoform, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Isopropylbenzene, Solid*	6.1	U		0.83	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	Bromobenzene, Solid*	6.1	U		0.60	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		0.87	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichloropropane, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Propylbenzene, Solid*	6.1	U		0.90	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	2-Chlorotoluene, Solid*	6.1	U		0.80	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,3,5-Trimethylbenzene, Solid*	6.1	U		0.99	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	4-Chlorotoluene, Solid*	6.1	U		0.84	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	tert-Butylbenzene, Solid*	6.1	U		0.95	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,4-Trimethylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	sec-Butylbenzene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	p-Isopropyltoluene, Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	n-Butylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2-Dibromo-3-chloropropane, Solid*	6.1	U		1.8	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges
	1,2,3-Trichlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	164085		10/28/05 1111	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,2-Dichloroethene	13			0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Trichloroethene	13			0.13	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: CMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW009-45-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-9
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1632	jdn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241151 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methylene chloride	1.0	U	*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241151-10
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1656	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	200	U		53	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,3-Dichlorobenzene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,4-Dichlorobenzene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2-Dichlorobenzene, Low Level Soil*	200	U		59	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzyl alcohol, Low Level Soil*	400	U		180	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	200	U		43	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	200	U		52	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachloroethane, Low Level Soil*	200	U		63	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	200	U		110	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chlorophenol, Low Level Soil*	200	U		48	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Nitrobenzene, Low Level Soil*	40	U		16	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	200	U		46	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	200	U		61	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzoic acid, Low Level Soil*	2000	U		410	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Isophorone, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dimethylphenol, Low Level Soil*	400	U		69	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobutadiene, Low Level Soil*	200	U		57	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Naphthalene, Low Level Soil*	40	U		9.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dichlorophenol, Low Level Soil*	400	U		66	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chloroaniline, Low Level Soil*	810	U		190	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	400	U		53	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	400	U		89	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Methylnaphthalene, Low Level Soil*	200	U		51	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitroaniline, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Chloronaphthalene, Low Level Soil*	200	U		45	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	400	U		90	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,6-Dinitrotoluene, Low Level Soil*	200	U		47	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2-Nitrophenol, Low Level Soil*	400	U		110	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3-Nitroaniline, Low Level Soil*	400	U		73	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dimethyl phthalate, Low Level Soil*	200	U		19	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrophenol, Low Level Soil*	810	U		320	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthylene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	2,4-Dinitrotoluene, Low Level Soil*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Acenaphthene, Low Level Soil*	40	U		7.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzofuran, Low Level Soil*	200	U		26	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitrophenol, Low Level Soil*	810	U		310	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluorene, Low Level Soil*	40	U		9.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Nitroaniline, Low Level Soil*	400	U		83	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	200	U		34	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Hexachlorobenzene, Low Level Soil*	81	U		30	81	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Diethyl phthalate, Low Level Soil*	200	U		22	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4-Chlorophenyl phenyl ether, Low Level So*l	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pentachlorophenol, Low Level Soil*	810	U		250	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	400	U		64	400	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Phenanthrene, Low Level Soil*	40	U		6.4	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Anthracene, Low Level Soil*	40	U		4.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Carbazole, Low Level Soil*	200	U		29	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-butyl phthalate, Low Level Soil*	200	U		33	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzidine, Low Level Soil*	2000	U		2000	2000	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Fluoranthene, Low Level Soil*	40	U		7.3	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Pyrene, Low Level Soil*	40	U		9.0	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Butyl benzyl phthalate, Low Level Soil*	200	U		24	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)anthracene, Low Level Soil*	40	U		8.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00017-5-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-11
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	40	U		10	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	810	U		170	810	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	200	U		96	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Di-n-octyl phthalate, Low Level Soil*	200	U		36	200	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(b)fluoranthene, Low Level Soil*	40	U		7.8	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(k)fluoranthene, Low Level Soil*	40	U		12	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(a)pyrene, Low Level Soil*	40	U		6.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	40	U		13	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	40	U		8.7	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
	Benzo(ghi)perylene, Low Level Soil*	40	U		8.9	40	1.00000	ug/Kg	164092		10/26/05 2238	dpk
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	163280		10/20/05 1530	pfk
	% Moisture, Solid	18.6			0.10	0.10	1	%	163280		10/20/05 1530	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.026	B		0.0075	0.041	1	mg/Kg	163415		10/21/05 1457	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.1			0.35	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Barium, Solid*	97			0.068	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Cadmium, Solid*	0.19	B		0.055	0.19	1	mg/Kg	163565		10/24/05 1811	tds
	Chromium, Solid*	4.1			0.095	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Lead, Solid*	6.8			0.24	0.48	1	mg/Kg	163565		10/24/05 1811	tds
	Selenium, Solid*	0.83	B		0.43	0.95	1	mg/Kg	163565		10/24/05 1811	tds
	Silver, Solid*	0.20	B		0.095	0.48	1	mg/Kg	163565		10/24/05 1811	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241151

Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethyl)ether, Low Level Soil*	360	U		94	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,3-Dichlorobenzene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,4-Dichlorobenzene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2-Dichlorobenzene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzyl alcohol, Low Level Soil*	700	U		320	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylphenol (o-cresol), Low Level Soil*	360	U		77	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,2-oxybis (1-chloropropane), Low Level S*il	360	U		92	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitroso-di-n-propylamine, Low Level Soi*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachloroethane, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Methylphenol (m/p-cresol), Low Level So*l	360	U		190	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chlorophenol, Low Level Soil*	360	U		85	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Nitrobenzene, Low Level Soil*	70	U		28	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-chloroethoxy)methane, Low Level Soi*	360	U		81	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	1,2,4-Trichlorobenzene, Low Level Soil*	360	U		110	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzoic acid, Low Level Soil*	3600	U		730	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Isophorone, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dimethylphenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobutadiene, Low Level Soil*	360	U		100	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Naphthalene, Low Level Soil*	70	U		17	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dichlorophenol, Low Level Soil*	700	U		120	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chloroaniline, Low Level Soil*	1400	U		330	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,6-Trichlorophenol, Low Level Soil*	700	U		94	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4,5-Trichlorophenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorocyclopentadiene, Low Level Soil*	1400	U		560	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Methylnaphthalene, Low Level Soil*	360	U		90	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitroaniline, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Chloronaphthalene, Low Level Soil*	360	U		79	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Soil*	700	U		160	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,6-Dinitrotoluene, Low Level Soil*	360	U		83	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2-Nitrophenol, Low Level Soil*	700	U		200	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3-Nitroaniline, Low Level Soil*	700	U		130	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dimethyl phthalate, Low Level Soil*	360	U		34	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrophenol, Low Level Soil*	1400	U		570	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthylene, Low Level Soil*	140			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	2,4-Dinitrotoluene, Low Level Soil*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Acenaphthene, Low Level Soil*	70	U		14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzofuran, Low Level Soil*	360	U		47	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitrophenol, Low Level Soil*	1400	U		550	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluorene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Nitroaniline, Low Level Soil*	700	U		150	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Bromophenyl phenyl ether, Low Level Soi*	360	U		60	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Hexachlorobenzene, Low Level Soil*	140	U		53	140	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Diethyl phthalate, Low Level Soil*	360	U		38	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4-Chlorophenyl phenyl ether, Low Level So*i	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pentachlorophenol, Low Level Soil*	1400	U		440	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	n-Nitrosodiphenylamine, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	4,6-Dinitro-2-methylphenol, Low Level Soi*	700	U		110	700	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Phenanthrene, Low Level Soil*	180			11	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Anthracene, Low Level Soil*	140			7.7	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Carbazole, Low Level Soil*	360	U		51	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-butyl phthalate, Low Level Soil*	360	U		58	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzidine, Low Level Soil*	3600	U		3600	3600	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Fluoranthene, Low Level Soil*	590			13	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Pyrene, Low Level Soil*	830			16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Butyl benzyl phthalate, Low Level Soil*	360	U		43	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)anthracene, Low Level Soil*	500		H	16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016-6-7-1005
Date Sampled.....: 10/19/2005
Time Sampled.....: 17:05
Sample Matrix.....: Soil

Laboratory Sample ID: 241151-12
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Low Level Soil*	500			19	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	3,3-Dichlorobenzidine, Low Level Soil*	1400	U		300	1400	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Soi*	360	U		170	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Di-n-octyl phthalate, Low Level Soil*	360	U		64	360	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(b)fluoranthene, Low Level Soil*	510			14	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(k)fluoranthene, Low Level Soil*	570		M	22	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(a)pyrene, Low Level Soil*	1100		M	12	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Soil*	70	U		23	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Dibenzo(a,h)anthracene, Low Level Soil*	70	U		15	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
	Benzo(ghi)perylene, Low Level Soil*	70	U		16	70	2.00000	ug/Kg	164092		10/28/05 1605	dpk
Method	% Solids Determination											
	% Solids, Solid	91.1			0.10	0.10	1	%	163280		10/20/05 1533	pfk
	% Moisture, Solid	8.9			0.10	0.10	1	%	163280		10/20/05 1533	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.013	B		0.0067	0.036	1	mg/Kg	163415		10/21/05 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.87	U		0.32	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Barium, Solid*	11			0.063	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Cadmium, Solid*	0.051	B		0.051	0.17	1	mg/Kg	163565		10/24/05 1833	tds
	Chromium, Solid*	3.6			0.087	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Lead, Solid*	3.3			0.22	0.44	1	mg/Kg	163565		10/24/05 1833	tds
	Selenium, Solid*	0.87	U		0.39	0.87	1	mg/Kg	163565		10/24/05 1833	tds
	Silver, Solid*	0.11	B		0.087	0.44	1	mg/Kg	163565		10/24/05 1833	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Acetone	6.4			1.4	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methylene chloride	1.9		*	0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,2-Dichloroethene	1.0	U	*	0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U	*	0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2,2-Dichloropropane	1.0	U	*	0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromochloromethane	1.0	U	*	0.27	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chloroform	1.0	U	*	0.14	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241151 Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	m&p-Xylenes	2.9			0.36	2.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	*	0.34	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichloropropane	1.0	U	*	0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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Job Number: 241151

LABORATORY TEST RESULTS

Date:10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB101905
Date Sampled.....: 10/19/2005
Time Sampled.....: 18:05
Sample Matrix.....: Water

Laboratory Sample ID: 241151-13
Date Received.....: 10/20/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	163960		10/27/05 1721	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241151 — Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Lab ID: 241151-1 — Client ID: MCA-GW007-30-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1319	
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	163960	163893	10/27/2005	1319	1.00000

Lab ID: 241151-2 — Client ID: MCA-GW007-39-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1343	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1343	1.00000

Lab ID: 241151-3 — Client ID: MCA-GW009-15-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1408	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1432	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1408	2.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1432	20.0000

Lab ID: 241151-4 — Client ID: MCA-GW009-30-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1456	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1520	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1456	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1520	10.0000

Lab ID: 241151-5 — Client ID: MCA-GWDUP102-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1544	
5030B	5030 10 mL Purge Prep	2	163893		10/27/2005	1608	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1544	1.00000
8260B	Volatile Organics	1	163960	163893	10/27/2005	1608	10.0000

Lab ID: 241151-6 — Client ID: MCA-S0003-6-7-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1526	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1200	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0555	
5035	5035 Preservation Low	1	163307		10/21/2005	0558	
5035	5035 Preservation Low	2	163307		10/21/2005	0555	
5035	5035 Preservation Low	2	163307		10/21/2005	0558	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1447	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1737	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1200	1.00000

Lab ID: 241151-7 — Client ID: MCA-S0005-6-7-1005 — Date Recvd: 10/20/2005 — Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1528	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1136	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0600	
5035	5035 Preservation Low	1	163307		10/21/2005	0602	
5035	5035 Preservation Low	2	163307		10/21/2005	0600	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1453	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1741	

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LABORATORY CHRONICLE

Job Number: 241151 — Date: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Lab ID: 241151-7 Client ID: MCA-S0005-6-7-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1136	1.00000

Lab ID: 241151-8 Client ID: MCA-S0DUP102-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1529	
5035	5035 Archon Closed Purge & Trap	1	164055		10/28/2005	1111	
5035	5035 Preservation High (Methanol)	1	163308		10/21/2005	0605	
5035	5035 Preservation Low	1	163307		10/21/2005	0607	
5035	5035 Preservation Low	2	163307		10/21/2005	0605	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1455	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1746	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8260B	Volatile Organics	1	164085	163307-164055	10/28/2005	1111	1.00000

Lab ID: 241151-9 Client ID: MCA-GW009-45-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1632	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1632	1.00000

Lab ID: 241151-10 Client ID: TB101905 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1656	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1656	1.00000

Lab ID: 241151-11 Client ID: MCA-S0017-5-7-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1530	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1457	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1811	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/26/2005	2238	1.00000

Lab ID: 241151-12 Client ID: MCA-S0016-6-7-1005 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163280	163280	10/20/2005	1533	
3050B	Acid Digestion: Solids (ICAP)	1	163391		10/21/2005	1445	
3550B	Extraction Ultrasonic (SVOC)	1	163290		10/20/2005	1800	
7471A	Mercury (CVAA) Solids	1	163415	163407	10/21/2005	1506	
6010B	Metals Analysis (ICAP Trace)	1	163565	163391	10/24/2005	1833	
7470/7471	SW846 Digestion (Hg)	1	163407		10/21/2005	1100	
8270C	Semivolatile Organics	1	164092	163290	10/28/2005	1605	2.00000

Lab ID: 241151-13 Client ID: EB101905 — Date Recvd: 10/20/2005 Sample Date: 10/19/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	163893		10/27/2005	1721	
8260B	Volatile Organics	1	163960	163893	10/27/2005	1721	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164085
Prep Batch..: 163307

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			10/28/2005	95	88	92	91
241151- 6		MCA-S0003-6-7-1005	10/28/2005	94	87	91	92
241151- 7		MCA-S0005-6-7-1005	10/28/2005	89	83	85	91
241151- 8		MCA-SODUP102-1005	10/28/2005	91	84	86	91

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 163960
Prep Batch..: 163893

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/27/2005	85	95	98	97
LCS			10/27/2005	89	96	107	97
MB			10/27/2005	98	90	100	94
241151- 1		MCA-GW007-30-1005	10/27/2005	91	91	99	96
241151- 2		MCA-GW007-39-1005	10/27/2005	91	92	99	98
241151- 3		MCA-GW009-15-1005	10/27/2005	89	91	101	97
241151- 3	D1	MCA-GW009-15-1005	10/27/2005	91	90	101	97
241151- 4		MCA-GW009-30-1005	10/27/2005	89	88	109	95
241151- 4	D1	MCA-GW009-30-1005	10/27/2005	89	90	96	96
241151- 5		MCA-GWDUP102-1005	10/27/2005	92	86	106	94
241151- 5	D1	MCA-GWDUP102-1005	10/27/2005	90	89	100	97
241151- 9		MCA-GW009-45-1005	10/27/2005	90	88	102	96
241151- 10		TB101905	10/27/2005	93	91	102	97
241151- 13		EB101905	10/27/2005	93	90	102	96

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164085
Prep Batch..: 164055

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/28/2005	80	78*	84	88
LCS			10/28/2005	83	82	87	90
MB			10/28/2005	87	87	88	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 164085

Prep Batch..: 164055

Test	Test Description	Limits
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Semivolatile Organics Test Matrix...: Low Level Soil Prep Batch..: 163290
Method Code...: 8270 Batch(s).....: 164092

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			10/26/2005	87	77	86	76	83	80
MB			10/28/2005	76	71	78	73	78	81
241151- 11		MCA-S00017-5-7-1005	10/26/2005	77	64	79	69	77	69
241151- 11 MS		MCA-S00017-5-7-1005	10/26/2005	87	71	75	68	76	79
241151- 11 MSD		MCA-S00017-5-7-1005	10/26/2005	83	71	78	70	76	80
241151- 12		MCA-S0016-6-7-1005	10/28/2005	99	86	90	88	91	116

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	20 - 150
2FLUBP	2-Fluorobiphenyl (surr)	41 - 108
2FLUPH	2-Fluorophenol (surr)	35 - 118
NITRD5	Nitrobenzene-d5 (surr)	22 - 108
PHEND5	Phenol-d5 (surr)	21 - 129
TERD14	Terphenyl-d14 (surr)	37 - 137

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Test Method.....: 8270C — Equipment Code....: GCL11 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1629.550		1667.000	167.000 U	98	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1388.983		1667.000	167.000 U	83	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1261.034		1667.000	167.000 U	76	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1136.285		1667.000	167.000 U	68	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1262.924		1667.000	167.000 U	76	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1415.003		1667.000	330.000 U	85	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1335.777		1667.000	167.000 U	80	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1229.388		1667.000	167.000 U	74	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1322.107		1667.000	167.000 U	79	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1285.907		1667.000	167.000 U	77	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1439.356		1667.000	167.000 U	86	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1403.926		1667.000	167.000 U	84	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1309.770		1667.000	33.000 U	79	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1362.696		1667.000	167.000 U	82	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1305.254		1667.000	167.000 U	78	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1332.830	J	1667.000	1670.000 U	80	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1355.830		1667.000	167.000 U	81	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1393.503		1667.000	330.000 U	84	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1347.877		1667.000	167.000 U	81	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1270.911		1667.000	33.000 U	76	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1403.849		1667.000	330.000 U	84	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1290.187		1667.000	670.000 U	77	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1457.312		1667.000	330.000 U	87	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1511.555		1667.000	330.000 U	91	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1156.852		1667.000	670.000 U	69	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1276.741		1667.000	167.000 U	77	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1404.356		1667.000	167.000 U	84	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1323.370		1667.000	167.000 U	79	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1470.685		1667.000	330.000 U	88	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1507.452		1667.000	167.000 U	90	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1419.409		1667.000	330.000 U	85	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1442.719		1667.000	330.000 U	87	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1441.349		1667.000	167.000 U	86	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1394.829		1667.000	670.000 U	84	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1335.387		1667.000	33.000 U	80	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1381.416		1667.000	167.000 U	83	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1265.201		1667.000	33.000 U	76	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1365.380		1667.000	167.000 U	82	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1330.563		1667.000	670.000 U	80	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1311.290		1667.000	33.000 U	79	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1372.830		1667.000	330.000 U	82	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1289.567		1667.000	167.000 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1374.746		1667.000	67.000 U	82	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1453.042		1667.000	167.000 U	87	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1399.956		1667.000	167.000 U	84	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1170.815		1667.000	670.000 U	70	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1326.700		1667.000	167.000 U	80	%	63-108	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1609.557		1667.000	330.000 U	97	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1391.923		1667.000	33.000 U	84	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1283.137		1667.000	33.000 U	77	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: GMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	05JWLBLKB	163290-002		10/26/2005	2100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1381.293		1667.000	167.000 U	83	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1442.292		1667.000	167.000 U	87	%	51-130	
Benzidine, Low Level Soil	ug/Kg	1271.504	J	1670.000	1670.000 U	76	%	10-100	
Fluoranthene, Low Level Soil	ug/Kg	1313.507		1667.000	33.000 U	79	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1372.540		1667.000	33.000 U	82	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1485.928		1667.000	167.000 U	89	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1335.093		1667.000	33.000 U	80	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1351.173		1667.000	33.000 U	81	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	1398.699		1667.000	670.000 U	84	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1501.892		1667.000	167.000 U	90	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1547.025		1667.000	167.000 U	93	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1601.161		1667.000	33.000 U	96	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1255.254		1667.000	33.000 U	75	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1391.686		1667.000	33.000 U	84	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1402.539		1667.000	33.000 U	84	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1425.516		1667.000	33.000 U	86	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1370.210		1667.000	33.000 U	82	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Test Method.....: 8270C — Equipment Code....: GCL11 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 164092

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	167.000	U							
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzyl alcohol, Low Level Soil	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), Low Level S	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	167.000	U							
Hexachloroethane, Low Level Soil	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	167.000	U							
2-Chlorophenol, Low Level Soil	ug/Kg	167.000	U							
Nitrobenzene, Low Level Soil	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	167.000	U							
Benzoic acid, Low Level Soil	ug/Kg	1670.000	U							
Isophorone, Low Level Soil	ug/Kg	167.000	U							
2,4-Dimethylphenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorobutadiene, Low Level Soil	ug/Kg	167.000	U							
Naphthalene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dichlorophenol, Low Level Soil	ug/Kg	330.000	U							
4-Chloroaniline, Low Level Soil	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, Low Level S	ug/Kg	670.000	U							
2-Methylnaphthalene, Low Level Soil	ug/Kg	167.000	U							
2-Nitroaniline, Low Level Soil	ug/Kg	167.000	U							
2-Chloronaphthalene, Low Level Soil	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	330.000	U							
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
2-Nitrophenol, Low Level Soil	ug/Kg	330.000	U							
3-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
Dimethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
2,4-Dinitrophenol, Low Level Soil	ug/Kg	670.000	U							
Acenaphthylene, Low Level Soil	ug/Kg	33.000	U							
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	167.000	U							
Acenaphthene, Low Level Soil	ug/Kg	33.000	U							
Dibenzofuran, Low Level Soil	ug/Kg	167.000	U							
4-Nitrophenol, Low Level Soil	ug/Kg	670.000	U							
Fluorene, Low Level Soil	ug/Kg	33.000	U							
4-Nitroaniline, Low Level Soil	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Hexachlorobenzene, Low Level Soil	ug/Kg	67.000	U							
Diethyl phthalate, Low Level Soil	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	167.000	U							
Pentachlorophenol, Low Level Soil	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	330.000	U							
Phenanthrene, Low Level Soil	ug/Kg	33.000	U							
Anthracene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163290-001		10/28/2005	1327

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	167.000	U							
Di-n-butyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzidine, Low Level Soil	ug/Kg	1670.000	U							
Fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Pyrene, Low Level Soil	ug/Kg	33.000	U							
Butyl benzyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(a)anthracene, Low Level Soil	ug/Kg	33.000	U							
Chrysene, Low Level Soil	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	670.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	167.000	U							
Di-n-octyl phthalate, Low Level Soil	ug/Kg	167.000	U							
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	33.000	U							
Benzo(a)pyrene, Low Level Soil	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	33.000	U							
Benzo(ghi)perylene, Low Level Soil	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1776.785		2027.000	203.108 U	88	%	34-119	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1400.582		2027.000	203.108 U	69	%	42-101	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1308.347		2027.000	203.108 U	65	%	48-100	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1330.524		2027.000	203.108 U	66	%	50-100	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1362.654		2027.000	203.108 U	67	%	49-104	
Benzyl alcohol, Low Level Soil	ug/Kg	1595.294		2027.000	401.351 U	79	%	14-150	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1538.189		2027.000	203.108 U	76	%	36-110	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1313.723		2027.000	203.108 U	65	%	48-100	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1448.167		2027.000	203.108 U	71	%	49-138	
Hexachloroethane, Low Level Soil	ug/Kg	1310.743		2027.000	203.108 U	65	%	46-100	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1662.149		2027.000	203.108 U	82	%	33-114	
2-Chlorophenol, Low Level Soil	ug/Kg	1555.315		2027.000	203.108 U	77	%	52-103	
Nitrobenzene, Low Level Soil	ug/Kg	1428.687		2027.000	40.135 U	70	%	50-100	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1510.596		2027.000	203.108 U	75	%	55-116	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1446.153		2027.000	203.108 U	71	%	53-107	
Benzoic acid, Low Level Soil	ug/Kg	1548.183	J	2027.000	2031.081 U	76	%	40-143	
Isophorone, Low Level Soil	ug/Kg	1517.439		2027.000	203.108 U	75	%	52-116	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1651.596		2027.000	401.351 U	81	%	11-115	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1449.112		2027.000	203.108 U	71	%	52-118	
Naphthalene, Low Level Soil	ug/Kg	1393.722		2027.000	40.135 U	69	%	49-100	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1633.887		2027.000	401.351 U	81	%	58-103	
4-Chloroaniline, Low Level Soil	ug/Kg	1302.586		2027.000	814.865 U	64	%	15-114	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1706.641		2027.000	401.351 U	84	%	57-105	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1631.548		2027.000	401.351 U	80	%	62-118	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1165.315		2027.000	814.865 U	57	%	32-100	
2-Methylnaphthalene, Low Level Soil	ug/Kg	1438.830		2027.000	203.108 U	71	%	30-115	
2-Nitroaniline, Low Level Soil	ug/Kg	1620.037		2027.000	203.108 U	80	%	55-106	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1504.453		2027.000	203.108 U	74	%	59-114	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1737.162		2027.000	401.351 U	86	%	56-110	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1726.163		2027.000	203.108 U	85	%	62-111	
2-Nitrophenol, Low Level Soil	ug/Kg	1568.560		2027.000	401.351 U	77	%	53-102	
3-Nitroaniline, Low Level Soil	ug/Kg	1517.468		2027.000	401.351 U	75	%	28-100	
Dimethyl phthalate, Low Level Soil	ug/Kg	1675.898		2027.000	203.108 U	83	%	63-105	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1668.888		2027.000	814.865 U	82	%	44-139	
Acenaphthylene, Low Level Soil	ug/Kg	1519.203		2027.000	40.135 U	75	%	50-103	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1592.549		2027.000	203.108 U	79	%	61-113	
Acenaphthene, Low Level Soil	ug/Kg	1459.426		2027.000	40.135 U	72	%	51-100	
Dibenzofuran, Low Level Soil	ug/Kg	1583.707		2027.000	203.108 U	78	%	49-103	
4-Nitrophenol, Low Level Soil	ug/Kg	1600.998		2027.000	814.865 U	79	%	45-129	
Fluorene, Low Level Soil	ug/Kg	1530.218		2027.000	40.135 U	75	%	51-109	
4-Nitroaniline, Low Level Soil	ug/Kg	1354.586		2027.000	401.351 U	67	%	32-111	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1569.772		2027.000	203.108 U	77	%	62-108	
Hexachlorobenzene, Low Level Soil	ug/Kg	1552.959		2027.000	81.486 U	77	%	62-105	
Diethyl phthalate, Low Level Soil	ug/Kg	1695.224		2027.000	203.108 U	84	%	62-110	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1660.556		2027.000	203.108 U	82	%	62-106	
Pentachlorophenol, Low Level Soil	ug/Kg	1365.346		2027.000	814.865 U	67	%	43-122	
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1192.743		2027.000	203.108 U	59	%	63-108	*
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1451.711		2027.000	401.351 U	72	%	67-130	
Phenanthrene, Low Level Soil	ug/Kg	1605.827		2027.000	40.135 U	79	%	50-110	
Anthracene, Low Level Soil	ug/Kg	1461.680		2027.000	40.135 U	72	%	51-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	05JWLBLKB	241151-11		10/26/2005	2258

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Soil	ug/Kg	1481.887		2027.000	203.108 U	73	%	49-131	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1585.633		2027.000	203.108 U	78	%	51-130	
Benzidine, Low Level Soil	ug/Kg	2031.081	U	2031.000	2031.081 U	0	%	10-100	*
Fluoranthene, Low Level Soil	ug/Kg	1506.339		2027.000	40.135 U	74	%	55-122	
Pyrene, Low Level Soil	ug/Kg	1609.553		2027.000	40.135 U	79	%	41-121	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1719.283		2027.000	203.108 U	85	%	56-113	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1567.429		2027.000	40.135 U	77	%	49-119	
Chrysene, Low Level Soil	ug/Kg	1552.813		2027.000	40.135 U	77	%	39-124	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	810.876	J	2027.000	814.865 U	40	%	22-106	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1730.282		2027.000	48.846 J	85	%	49-144	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1672.991		2027.000	203.108 U	83	%	45-130	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1852.608		2027.000	40.135 U	91	%	44-132	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1400.667		2027.000	40.135 U	69	%	43-141	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1540.403		2027.000	40.135 U	76	%	45-129	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1380.716		2027.000	40.135 U	68	%	36-138	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1422.021		2027.000	40.135 U	70	%	30-144	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1264.593		2027.000	40.135 U	62	%	41-129	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 164092

Parameter/Test Description	Units	QC Result	QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, Low Level Soil	ug/Kg	1812.244	1776.785		2047.000	205.160	U	89	%	34-119	
								1	R	20	
Bis(2-chloroethyl)ether, Low Level Soi	ug/Kg	1426.595	1400.582		2047.000	205.160	U	70	%	42-101	
								1	R	20	
1,3-Dichlorobenzene, Low Level Soil	ug/Kg	1298.633	1308.347		2047.000	205.160	U	63	%	48-100	
								3	R	20	
1,4-Dichlorobenzene, Low Level Soil	ug/Kg	1350.643	1330.524		2047.000	205.160	U	66	%	50-100	
								0	R	20	
1,2-Dichlorobenzene, Low Level Soil	ug/Kg	1350.099	1362.654		2047.000	205.160	U	66	%	49-104	
								2	R	20	
Benzyl alcohol, Low Level Soil	ug/Kg	1594.198	1595.294		2047.000	405.405	U	78	%	14-150	
								1	R	20	
2-Methylphenol (o-cresol), Low Level S	ug/Kg	1554.939	1538.189		2047.000	205.160	U	76	%	36-110	
								0	R	20	
2,2-oxybis (1-chloropropane), Low Leve	ug/Kg	1328.252	1313.723		2047.000	205.160	U	65	%	48-100	
								0	R	20	
n-Nitroso-di-n-propylamine, Low Level	ug/Kg	1476.604	1448.167		2047.000	205.160	U	72	%	49-138	
								1	R	20	
Hexachloroethane, Low Level Soil	ug/Kg	1295.423	1310.743		2047.000	205.160	U	63	%	46-100	
								3	R	20	
4-Methylphenol (m/p-cresol), Low Level	ug/Kg	1679.050	1662.149		2047.000	205.160	U	82	%	33-114	
								0	R	20	
2-Chlorophenol, Low Level Soil	ug/Kg	1572.569	1555.315		2047.000	205.160	U	77	%	52-103	
								0	R	20	
Nitrobenzene, Low Level Soil	ug/Kg	1504.468	1428.687		2047.000	40.541	U	74	%	50-100	
								6	R	20	
Bis(2-chloroethoxy)methane, Low Level	ug/Kg	1580.301	1510.596		2047.000	205.160	U	77	%	55-116	
								3	R	20	
1,2,4-Trichlorobenzene, Low Level Soil	ug/Kg	1491.602	1446.153		2047.000	205.160	U	73	%	53-107	
								3	R	20	
Benzoic acid, Low Level Soil	ug/Kg	2409.748	1548.183	J	2047.000	2051.597	U	118	%	40-143	
								43	R	20	*
Isophorone, Low Level Soil	ug/Kg	1608.697	1517.439		2047.000	205.160	U	79	%	52-116	
								5	R	20	
2,4-Dimethylphenol, Low Level Soil	ug/Kg	1710.397	1651.596		2047.000	405.405	U	84	%	11-115	
								4	R	20	
Hexachlorobutadiene, Low Level Soil	ug/Kg	1505.606	1449.112		2047.000	205.160	U	74	%	52-118	
								4	R	20	
Naphthalene, Low Level Soil	ug/Kg	1473.788	1393.722		2047.000	40.541	U	72	%	49-100	
								4	R	20	
2,4-Dichlorophenol, Low Level Soil	ug/Kg	1712.673	1633.887		2047.000	405.405	U	84	%	58-103	
								4	R	20	
4-Chloroaniline, Low Level Soil	ug/Kg	1421.466	1302.586		2047.000	823.096	U	69	%	15-114	
								8	R	20	
2,4,6-Trichlorophenol, Low Level Soil	ug/Kg	1822.481	1706.641		2047.000	405.405	U	89	%	57-105	
								6	R	20	
2,4,5-Trichlorophenol, Low Level Soil	ug/Kg	1691.317	1631.548		2047.000	405.405	U	83	%	62-118	
								4	R	20	
Hexachlorocyclopentadiene, Low Level S	ug/Kg	1037.918	1165.315		2047.000	823.096	U	51	%	32-100	
								11	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005	2318

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.		Limits	F
2-Methylnaphthalene, Low Level Soil	ug/Kg	1504.042	1438.830	2047.000	205.160	U	73	%	30-115	
							3	R	20	
2-Nitroaniline, Low Level Soil	ug/Kg	1654.817	1620.037	2047.000	205.160	U	81	%	55-106	
							1	R	20	
2-Chloronaphthalene, Low Level Soil	ug/Kg	1522.826	1504.453	2047.000	205.160	U	74	%	59-114	
							0	R	20	
4-Chloro-3-methylphenol, Low Level Soi	ug/Kg	1794.654	1737.162	2047.000	405.405	U	88	%	56-110	
							2	R	20	
2,6-Dinitrotoluene, Low Level Soil	ug/Kg	1760.332	1726.163	2047.000	205.160	U	86	%	62-111	
							1	R	20	
2-Nitrophenol, Low Level Soil	ug/Kg	1674.858	1568.560	2047.000	405.405	U	82	%	53-102	
							6	R	20	
3-Nitroaniline, Low Level Soil	ug/Kg	1582.475	1517.468	2047.000	405.405	U	77	%	28-100	
							3	R	20	
Dimethyl phthalate, Low Level Soil	ug/Kg	1711.338	1675.898	2047.000	205.160	U	84	%	63-105	
							1	R	20	
2,4-Dinitrophenol, Low Level Soil	ug/Kg	1460.607	1668.888	2047.000	823.096	U	71	%	44-139	
							14	R	20	
Acenaphthylene, Low Level Soil	ug/Kg	1542.495	1519.203	2047.000	40.541	U	75	%	50-103	
							0	R	20	
2,4-Dinitrotoluene, Low Level Soil	ug/Kg	1634.935	1592.549	2047.000	205.160	U	80	%	61-113	
							1	R	20	
Acenaphthene, Low Level Soil	ug/Kg	1490.227	1459.426	2047.000	40.541	U	73	%	51-100	
							1	R	20	
Dibenzofuran, Low Level Soil	ug/Kg	1604.542	1583.707	2047.000	205.160	U	78	%	49-103	
							0	R	20	
4-Nitrophenol, Low Level Soil	ug/Kg	1578.541	1600.998	2047.000	823.096	U	77	%	45-129	
							3	R	20	
Fluorene, Low Level Soil	ug/Kg	1547.820	1530.218	2047.000	40.541	U	76	%	51-109	
							1	R	20	
4-Nitroaniline, Low Level Soil	ug/Kg	1375.842	1354.586	2047.000	405.405	U	67	%	32-111	
							0	R	20	
4-Bromophenyl phenyl ether, Low Level	ug/Kg	1627.146	1569.772	2047.000	205.160	U	80	%	62-108	
							4	R	20	
Hexachlorobenzene, Low Level Soil	ug/Kg	1710.274	1552.959	2047.000	82.310	U	84	%	62-105	
							9	R	20	
Diethyl phthalate, Low Level Soil	ug/Kg	1529.232	1695.224	2047.000	205.160	U	75	%	62-110	
							11	R	20	
4-Chlorophenyl phenyl ether, Low Level	ug/Kg	1587.297	1660.556	2047.000	205.160	U	78	%	62-106	
							5	R	20	
Pentachlorophenol, Low Level Soil	ug/Kg	1738.584	1365.346	2047.000	823.096	U	85	%	43-122	
							24	R	20	*
n-Nitrosodiphenylamine, Low Level Soil	ug/Kg	1470.239	1192.743	2047.000	205.160	U	72	%	63-108	
							20	R	20	
4,6-Dinitro-2-methylphenol, Low Level	ug/Kg	1586.515	1451.711	2047.000	405.405	U	78	%	67-130	
							8	R	20	
Phenanthrene, Low Level Soil	ug/Kg	1508.655	1605.827	2047.000	40.541	U	74	%	50-110	
							7	R	20	
Anthracene, Low Level Soil	ug/Kg	1583.588	1461.680	2047.000	40.541	U	77	%	51-110	
							7	R	20	
Carbazole, Low Level Soil	ug/Kg	1632.987	1481.887	2047.000	205.160	U	80	%	49-131	
							9	R	20	
Di-n-butyl phthalate, Low Level Soil	ug/Kg	1827.291	1585.633	2047.000	205.160	U	89	%	51-130	
							13	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	05JWLBLKB	241151-11		10/26/2005 2318

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Benzidine, Low Level Soil	ug/Kg	2051.597	U	2051.597	U	2052.000	2051.597	U	0	%	10-100	*
									0	R	20	
Fluoranthene, Low Level Soil	ug/Kg	1679.451		1506.339		2047.000	40.541	U	82	%	55-122	
									10	R	20	
Pyrene, Low Level Soil	ug/Kg	1637.580		1609.553		2047.000	40.541	U	80	%	41-121	
									1	R	20	
Butyl benzyl phthalate, Low Level Soil	ug/Kg	1717.867		1719.283		2047.000	205.160	U	84	%	56-113	
									1	R	20	
Benzo(a)anthracene, Low Level Soil	ug/Kg	1573.302		1567.429		2047.000	40.541	U	77	%	49-119	
									0	R	20	
Chrysene, Low Level Soil	ug/Kg	1589.417		1552.813		2047.000	40.541	U	78	%	39-124	
									1	R	20	
3,3-Dichlorobenzidine, Low Level Soil	ug/Kg	905.825		810.876	J	2047.000	823.096	U	44	%	22-106	
									10	R	20	
Bis(2-ethylhexyl)phthalate, Low Level	ug/Kg	1798.199		1730.282		2047.000	48.846	J	88	%	49-144	
									3	R	20	
Di-n-octyl phthalate, Low Level Soil	ug/Kg	1818.863		1672.991		2047.000	205.160	U	89	%	45-130	
									7	R	20	
Benzo(b)fluoranthene, Low Level Soil	ug/Kg	1743.144		1852.608		2047.000	40.541	U	85	%	44-132	
									7	R	20	
Benzo(k)fluoranthene, Low Level Soil	ug/Kg	1665.451		1400.667		2047.000	40.541	U	81	%	43-141	
									16	R	20	
Benzo(a)pyrene, Low Level Soil	ug/Kg	1575.606		1540.403		2047.000	40.541	U	77	%	45-129	
									1	R	20	
Indeno(1,2,3-cd)pyrene, Low Level Soil	ug/Kg	1470.366		1380.716		2047.000	40.541	U	72	%	36-138	
									6	R	20	
Dibenzo(a,h)anthracene, Low Level Soil	ug/Kg	1512.294		1422.021		2047.000	40.541	U	74	%	30-144	
									6	R	20	
Benzo(ghi)perylene, Low Level Soil	ug/Kg	1369.411		1264.593		2047.000	40.541	U	67	%	41-129	
									8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163960

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.192	12.075	25.000	1.000 U	49	%	24-171	
						1	R	20	
Chloromethane	ug/L	20.912	22.378	25.000	1.000 U	84	%	31-182	
						7	R	20	
Vinyl chloride	ug/L	22.414	23.798	25.000	1.000 U	90	%	50-145	
						6	R	20	
Bromomethane	ug/L	24.447	32.127	25.000	1.000 U	98	%	31-188	
						27	R	20	*
Chloroethane	ug/L	30.409	31.840	25.000	1.000 U	122	%	58-148	
						5	R	20	
Trichlorofluoromethane	ug/L	25.693	28.278	25.000	1.000 U	103	%	54-142	
						10	R	20	
1,1-Dichloroethene	ug/L	25.991	30.158	25.000	1.000 U	104	%	51-136	
						15	R	20	
Carbon disulfide	ug/L	21.021	24.189	25.000	5.000 U	84	%	21-111	
						14	R	20	
Acetone	ug/L	34.584	32.209	25.000	5.000 U	138	%	14-177	
						7	R	20	
Methylene chloride	ug/L	23.536	29.179	25.000	1.000 U	94	%	64-127	
						21	R	20	*
trans-1,2-Dichloroethene	ug/L	26.025	32.090	25.000	1.000 U	104	%	62-138	
						21	R	20	*
Methyl-tert-butyl-ether (MTBE)	ug/L	21.019	27.485	25.000	1.000 U	84	%	55-142	
						27	R	20	*
1,1-Dichloroethane	ug/L	24.316	29.512	25.000	1.000 U	97	%	70-124	
						19	R	20	
2,2-Dichloropropane	ug/L	22.145	27.750	25.000	1.000 U	89	%	68-127	
						22	R	20	*
cis-1,2-Dichloroethene	ug/L	25.655	30.053	25.000	1.000 U	103	%	70-125	
						16	R	20	
2-Butanone (MEK)	ug/L	22.269	25.255	25.000	5.000 U	89	%	29-139	
						13	R	20	
Bromochloromethane	ug/L	20.850	25.928	25.000	1.000 U	83	%	57-116	
						22	R	20	*
Chloroform	ug/L	25.360	30.832	25.000	1.000 U	101	%	75-122	
						19	R	20	
1,1,1-Trichloroethane	ug/L	26.006	30.993	25.000	1.000 U	104	%	70-127	
						18	R	20	
1,1-Dichloropropene	ug/L	25.204	29.057	25.000	1.000 U	101	%	70-125	
						14	R	20	
Carbon tetrachloride	ug/L	25.351	28.446	25.000	1.000 U	101	%	64-132	
						12	R	20	
Benzene	ug/L	23.798	26.972	25.000	1.000 U	95	%	75-122	
						13	R	20	
1,2-Dichloroethane	ug/L	21.308	24.745	25.000	1.000 U	85	%	67-120	
						15	R	20	
Trichloroethene	ug/L	25.061	27.356	25.000	1.000 U	100	%	70-125	
						9	R	20	
1,2-Dichloropropane	ug/L	22.011	25.758	25.000	1.000 U	88	%	76-116	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005 1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	17.620	21.145	25.000	1.000 U	70 18	% R	68-116 20	
Bromodichloromethane	ug/L	23.229	28.173	25.000	1.000 U	93 19	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	19.797	24.255	26.000	1.000 U	76 20	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	19.091	23.138	25.000	5.000 U	76 19	% R	39-137 20	
Toluene	ug/L	23.937	27.145	25.000	1.000 U	96 13	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	17.280	21.034	24.000	1.000 U	72 20	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	22.806	27.938	25.000	1.000 U	91 20	% R	63-127 20	
Tetrachloroethene	ug/L	25.395	26.977	25.000	1.000 U	102 6	% R	45-150 20	
1,3-Dichloropropane	ug/L	22.405	25.928	25.000	1.000 U	90 15	% R	72-118 20	
2-Hexanone	ug/L	22.412	26.132	25.000	5.000 U	90 15	% R	36-144 20	
Dibromochloromethane	ug/L	22.436	26.727	25.000	1.000 U	90 17	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	20.330	24.607	25.000	1.000 U	81 19	% R	62-123 20	
Chlorobenzene	ug/L	23.086	25.971	25.000	1.000 U	92 12	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	23.560	26.751	25.000	1.000 U	94 13	% R	77-120 20	
Ethylbenzene	ug/L	26.225	28.773	25.000	1.000 U	105 9	% R	75-125 20	
m&p-Xylenes	ug/L	50.310	54.885	50.000	2.000 U	101 9	% R	75-123 20	
o-Xylene	ug/L	24.928	27.526	25.000	1.000 U	100 10	% R	76-121 20	
Styrene	ug/L	24.855	27.396	25.000	1.000 U	99 10	% R	77-128 20	
Bromoform	ug/L	20.799	25.400	25.000	1.000 U	83 20	% R	65-115 20	
Isopropylbenzene	ug/L	25.218	27.000	25.000	1.000 U	101 7	% R	64-119 20	
Bromobenzene	ug/L	24.704	27.967	25.000	1.000 U	99 12	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	21.041	26.813	25.000	1.000 U	84 24	% R	61-122 20	*
1,2,3-Trichloropropane	ug/L	21.791	26.879	25.000	1.000 U	87 21	% R	62-124 20	*
n-Propylbenzene	ug/L	27.768	29.599	25.000	1.000 U	111 6	% R	69-132 20	
2-Chlorotoluene	ug/L	26.129	28.650	25.000	1.000 U	105 9	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	27.513	29.849	25.000	1.000 U	110 8	% R	70-132 20	
4-Chlorotoluene	ug/L	25.464	27.614	25.000	1.000 U	102 8	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J27DSA	163893-018		10/27/2005	1857

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	28.051	29.882	25.000	1.000	U	112	%	70-133	
							6	R	20	
1,2,4-Trimethylbenzene	ug/L	26.552	28.650	25.000	1.000	U	106	%	71-131	
							8	R	20	
sec-Butylbenzene	ug/L	28.425	29.721	25.000	1.000	U	114	%	70-134	
							4	R	20	
p-Isopropyltoluene	ug/L	25.718	26.755	25.000	1.000	U	103	%	66-130	
							4	R	20	
n-Butylbenzene	ug/L	27.486	28.486	25.000	1.000	U	110	%	64-142	
							4	R	20	
1,2-Dibromo-3-chloropropane	ug/L	19.956	23.516	25.000	1.000	U	80	%	57-119	
							16	R	20	
1,2,3-Trichlorobenzene	ug/L	22.525	24.626	25.000	1.000	U	90	%	66-124	
							9	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 163960

LCS	Laboratory Control Sample	V05J27DSA	163893-017		10/27/2005	0854

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.075		25.000	1.000 U	48	%	24-171	
Chloromethane	ug/L	22.378		25.000	1.000 U	90	%	31-182	
Vinyl chloride	ug/L	23.798		25.000	1.000 U	95	%	50-145	
Bromomethane	ug/L	32.127		25.000	1.000 U	129	%	31-188	
Chloroethane	ug/L	31.840		25.000	1.000 U	127	%	58-148	
Trichlorofluoromethane	ug/L	28.278		25.000	1.000 U	113	%	54-142	
1,1-Dichloroethene	ug/L	30.158		25.000	1.000 U	121	%	51-136	
Carbon disulfide	ug/L	24.189		25.000	5.000 U	97	%	21-111	
Acetone	ug/L	32.209		25.000	5.000 U	129	%	14-177	
Methylene chloride	ug/L	29.179		25.000	1.000 U	117	%	64-127	
trans-1,2-Dichloroethene	ug/L	32.090		25.000	1.000 U	128	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.485		25.000	1.000 U	110	%	55-142	
1,1-Dichloroethane	ug/L	29.512		25.000	1.000 U	118	%	70-124	
2,2-Dichloropropane	ug/L	27.750		25.000	1.000 U	111	%	68-127	
cis-1,2-Dichloroethene	ug/L	30.053		25.000	1.000 U	120	%	70-125	
2-Butanone (MEK)	ug/L	25.255		25.000	5.000 U	101	%	29-139	
Bromochloromethane	ug/L	25.928		25.000	1.000 U	104	%	57-116	
Chloroform	ug/L	30.832		25.000	1.000 U	123	%	75-122	*
1,1,1-Trichloroethane	ug/L	30.993		25.000	1.000 U	124	%	70-127	
1,1-Dichloropropene	ug/L	29.057		25.000	1.000 U	116	%	70-125	
Carbon tetrachloride	ug/L	28.446		25.000	1.000 U	114	%	64-132	
Benzene	ug/L	26.972		25.000	1.000 U	108	%	75-122	
1,2-Dichloroethane	ug/L	24.745		25.000	1.000 U	99	%	67-120	
Trichloroethene	ug/L	27.356		25.000	1.000 U	109	%	70-125	
1,2-Dichloropropane	ug/L	25.758		25.000	1.000 U	103	%	76-116	
Dibromomethane	ug/L	21.145		25.000	1.000 U	85	%	68-116	
Bromodichloromethane	ug/L	28.173		25.000	1.000 U	113	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.255		26.000	1.000 U	93	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.138		25.000	5.000 U	93	%	39-137	
Toluene	ug/L	27.145		25.000	1.000 U	109	%	77-120	
trans-1,3-Dichloropropene	ug/L	21.034		24.000	1.000 U	88	%	68-119	
1,1,2-Trichloroethane	ug/L	27.938		25.000	1.000 U	112	%	63-127	
Tetrachloroethene	ug/L	26.977		25.000	1.000 U	108	%	45-150	
1,3-Dichloropropane	ug/L	25.928		25.000	1.000 U	104	%	72-118	
2-Hexanone	ug/L	26.132		25.000	5.000 U	105	%	36-144	
Dibromochloromethane	ug/L	26.727		25.000	1.000 U	107	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.607		25.000	1.000 U	98	%	62-123	
Chlorobenzene	ug/L	25.971		25.000	1.000 U	104	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.751		25.000	1.000 U	107	%	77-120	
Ethylbenzene	ug/L	28.773		25.000	1.000 U	115	%	75-125	
m&p-Xylenes	ug/L	54.885		50.000	2.000 U	110	%	75-123	
o-Xylene	ug/L	27.526		25.000	1.000 U	110	%	76-121	
Styrene	ug/L	27.396		25.000	1.000 U	110	%	77-128	
Bromoform	ug/L	25.400		25.000	1.000 U	102	%	65-115	
Isopropylbenzene	ug/L	27.000		25.000	1.000 U	108	%	64-119	
Bromobenzene	ug/L	27.967		25.000	1.000 U	112	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	26.813		25.000	1.000 U	107	%	61-122	
1,2,3-Trichloropropane	ug/L	26.879		25.000	1.000 U	108	%	62-124	
n-Propylbenzene	ug/L	29.599		25.000	1.000 U	118	%	69-132	
2-Chlorotoluene	ug/L	28.650		25.000	1.000 U	115	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J27DSA	163893-017		10/27/2005	0854

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	29.849		25.000	1.000	U	119	%	70-132	
4-Chlorotoluene	ug/L	27.614		25.000	1.000	U	110	%	70-126	
tert-Butylbenzene	ug/L	29.882		25.000	1.000	U	120	%	70-133	
1,2,4-Trimethylbenzene	ug/L	28.650		25.000	1.000	U	115	%	71-131	
sec-Butylbenzene	ug/L	29.721		25.000	1.000	U	119	%	70-134	
p-Isopropyltoluene	ug/L	26.755		25.000	1.000	U	107	%	66-130	
n-Butylbenzene	ug/L	28.486		25.000	1.000	U	114	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	23.516		25.000	1.000	U	94	%	57-119	
1,2,3-Trichlorobenzene	ug/L	24.626		25.000	1.000	U	99	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 163960

Analyst...: jdn

MB	Method Blank		163893-016		10/27/2005	0830

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		163893-016		10/27/2005	0830

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Test Method.....: 8260B — Equipment Code....: GCL19 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241151	163307-007		10/28/2005	1047

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J280SG	164055-015		10/28/2005	1652

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL19
Batch.....: 164085
Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.975	43.328	50.000	5.000	U	76	%	39-159	
							13	R	20	
Chloromethane, Solid	ug/Kg	41.338	42.943	50.000	5.000	U	83	%	42-180	
							4	R	20	
Vinyl chloride, Solid	ug/Kg	41.624	43.296	50.000	5.000	U	83	%	60-125	
							4	R	20	
Bromomethane, Solid	ug/Kg	53.603	57.537	50.000	5.000	U	107	%	39-165	
							7	R	20	
Chloroethane, Solid	ug/Kg	45.656	50.445	50.000	5.000	U	91	%	56-145	
							10	R	20	
Trichlorofluoromethane, Solid	ug/Kg	42.855	52.874	50.000	5.000	U	86	%	57-136	
							21	R	20	*
1,1-Dichloroethene, Solid	ug/Kg	46.282	54.768	50.000	5.000	U	93	%	47-141	
							17	R	20	
Carbon disulfide, Solid	ug/Kg	41.897	49.034	50.000	5.000	U	84	%	22-118	
							16	R	20	
Acetone, Solid	ug/Kg	52.161	92.451	50.000	5.000	U	104	%	50-176	
							56	R	20	*
Methylene chloride, Solid	ug/Kg	47.207	51.780	50.000	5.000	U	94	%	67-133	
							9	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.119	51.850	50.000	5.000	U	92	%	62-138	
							12	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	47.812	52.570	50.000	5.000	U	96	%	69-155	
							9	R	20	
1,1-Dichloroethane, Solid	ug/Kg	44.915	49.790	50.000	5.000	U	90	%	65-134	
							10	R	20	
2,2-Dichloropropane, Solid	ug/Kg	37.917	50.642	50.000	5.000	U	76	%	70-134	
							29	R	20	*
cis-1,2-Dichloroethene, Solid	ug/Kg	48.005	52.578	50.000	5.000	U	96	%	65-125	
							9	R	20	
2-Butanone (MEK), Solid	ug/Kg	48.492	62.898	50.000	5.000	U	97	%	41-166	
							26	R	20	*
Bromochloromethane, Solid	ug/Kg	48.886	52.522	50.000	5.000	U	98	%	61-122	
							7	R	20	
Chloroform, Solid	ug/Kg	46.909	51.411	50.000	5.000	U	94	%	73-135	
							9	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	45.306	51.866	50.000	5.000	U	91	%	71-137	
							14	R	20	
1,1-Dichloropropene, Solid	ug/Kg	44.892	49.702	50.000	5.000	U	90	%	68-134	
							10	R	20	
Carbon tetrachloride, Solid	ug/Kg	44.857	51.848	50.000	5.000	U	90	%	67-130	
							14	R	20	
Benzene, Solid	ug/Kg	48.094	51.240	50.000	5.000	U	96	%	72-125	
							6	R	20	
1,2-Dichloroethane, Solid	ug/Kg	47.920	50.237	50.000	5.000	U	96	%	72-134	
							5	R	20	
Trichloroethene, Solid	ug/Kg	46.134	51.235	50.000	5.000	U	92	%	75-125	
							10	R	20	
1,2-Dichloropropane, Solid	ug/Kg	47.533	49.486	50.000	5.000	U	95	%	76-124	
							4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	49.595	50.660	50.000	5.000 U	99	%	75-122	
						2	R	20	
Bromodichloromethane, Solid	ug/Kg	52.298	54.854	50.000	5.000 U	105	%	82-131	
						5	R	20	
cis-1,3-Dichloropropene, Solid	ug/Kg	47.238	50.016	52.000	5.000 U	91	%	78-118	
						6	R	20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	50.387	51.815	50.000	5.000 U	101	%	57-144	
						3	R	20	
Toluene, Solid	ug/Kg	48.078	50.261	50.000	5.000 U	96	%	73-121	
						4	R	20	
trans-1,3-Dichloropropene, Solid	ug/Kg	43.649	45.808	48.000	5.000 U	91	%	77-127	
						5	R	20	
1,1,2-Trichloroethane, Solid	ug/Kg	52.720	53.152	50.000	5.000 U	105	%	79-133	
						1	R	20	
Tetrachloroethene, Solid	ug/Kg	44.534	48.954	50.000	5.000 U	89	%	65-123	
						9	R	20	
1,3-Dichloropropane, Solid	ug/Kg	50.868	50.463	50.000	5.000 U	102	%	81-123	
						1	R	20	
2-Hexanone, Solid	ug/Kg	47.968	59.294	50.000	5.000 U	96	%	57-148	
						21	R	20	*
Dibromochloromethane, Solid	ug/Kg	50.261	52.466	50.000	5.000 U	101	%	78-125	
						4	R	20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.983	50.371	50.000	5.000 U	102	%	77-123	
						1	R	20	
Chlorobenzene, Solid	ug/Kg	46.511	48.874	50.000	5.000 U	93	%	77-115	
						5	R	20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.439	51.692	50.000	5.000 U	99	%	78-126	
						4	R	20	
Ethylbenzene, Solid	ug/Kg	46.816	50.175	50.000	5.000 U	94	%	73-121	
						7	R	20	
m&p-Xylenes, Solid	ug/Kg	92.683	98.750	100.000	10.000 U	93	%	73-122	
						6	R	20	
o-Xylene, Solid	ug/Kg	46.491	49.924	50.000	5.000 U	93	%	75-120	
						7	R	20	
Styrene, Solid	ug/Kg	48.281	51.181	50.000	5.000 U	97	%	76-124	
						6	R	20	
Bromoform, Solid	ug/Kg	45.914	48.379	50.000	5.000 U	92	%	72-132	
						5	R	20	
Isopropylbenzene, Solid	ug/Kg	45.066	48.278	50.000	5.000 U	90	%	59-114	
						7	R	20	
Bromobenzene, Solid	ug/Kg	51.418	53.961	50.000	5.000 U	103	%	75-118	
						5	R	20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.066	53.963	50.000	5.000 U	106	%	73-125	
						2	R	20	
1,2,3-Trichloropropane, Solid	ug/Kg	51.763	52.644	50.000	5.000 U	104	%	75-126	
						2	R	20	
n-Propylbenzene, Solid	ug/Kg	49.180	53.190	50.000	5.000 U	98	%	66-126	
						8	R	20	
2-Chlorotoluene, Solid	ug/Kg	49.677	53.589	50.000	5.000 U	99	%	68-126	
						8	R	20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.642	51.948	50.000	5.000 U	97	%	68-125	
						7	R	20	
4-Chlorotoluene, Solid	ug/Kg	48.235	52.300	50.000	5.000 U	96	%	70-123	
						8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05J28DSG	164055-015		10/28/2005	1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	45.628	51.351	50.000	5.000	U	91	%	67-124	
							12	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	46.930	51.300	50.000	5.000	U	94	%	70-126	
							9	R	20	
sec-Butylbenzene, Solid	ug/Kg	46.390	50.816	50.000	5.000	U	93	%	65-129	
							9	R	20	
p-Isopropyltoluene, Solid	ug/Kg	43.876	48.275	50.000	5.000	U	88	%	65-121	
							10	R	20	
n-Butylbenzene, Solid	ug/Kg	45.570	50.478	50.000	5.000	U	91	%	64-133	
							10	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	42.319	45.221	50.000	5.000	U	85	%	61-133	
							7	R	20	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.115	45.912	50.000	5.000	U	90	%	65-127	
							2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 — Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSG	164055-014		10/28/2005	0934

Test Method.....: 8260B — Equipment Code....: GCL19 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164085

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	43.328		50.000	5.000 U	87	%	39-159	
Chloromethane, Solid	ug/Kg	42.943		50.000	5.000 U	86	%	42-180	
Vinyl chloride, Solid	ug/Kg	43.296		50.000	5.000 U	87	%	60-125	
Bromomethane, Solid	ug/Kg	57.537		50.000	5.000 U	115	%	39-165	
Chloroethane, Solid	ug/Kg	50.445		50.000	5.000 U	101	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	52.874		50.000	5.000 U	106	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	54.768		50.000	5.000 U	110	%	47-141	
Carbon disulfide, Solid	ug/Kg	49.034		50.000	5.000 U	98	%	22-118	
Acetone, Solid	ug/Kg	92.451		50.000	5.000 U	185	%	50-176	*
Methylene chloride, Solid	ug/Kg	51.780		50.000	5.000 U	104	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	51.850		50.000	5.000 U	104	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	52.570		50.000	5.000 U	105	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	49.790		50.000	5.000 U	100	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	50.642		50.000	5.000 U	101	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	52.578		50.000	5.000 U	105	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	62.898		50.000	5.000 U	126	%	41-166	
Bromochloromethane, Solid	ug/Kg	52.522		50.000	5.000 U	105	%	61-122	
Chloroform, Solid	ug/Kg	51.411		50.000	5.000 U	103	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	51.866		50.000	5.000 U	104	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	49.702		50.000	5.000 U	99	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	51.848		50.000	5.000 U	104	%	67-130	
Benzene, Solid	ug/Kg	51.240		50.000	5.000 U	102	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	50.237		50.000	5.000 U	100	%	72-134	
Trichloroethene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.486		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	50.660		50.000	5.000 U	101	%	75-122	
Bromodichloromethane, Solid	ug/Kg	54.854		50.000	5.000 U	110	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	50.016		52.000	5.000 U	96	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.815		50.000	5.000 U	104	%	57-144	
Toluene, Solid	ug/Kg	50.261		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.808		48.000	5.000 U	95	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.152		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.954		50.000	5.000 U	98	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	50.463		50.000	5.000 U	101	%	81-123	
2-Hexanone, Solid	ug/Kg	59.294		50.000	5.000 U	119	%	57-148	
Dibromochloromethane, Solid	ug/Kg	52.466		50.000	5.000 U	105	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	50.371		50.000	5.000 U	101	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.874		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	51.692		50.000	5.000 U	103	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.175		50.000	5.000 U	100	%	73-121	
m&p-Xylenes, Solid	ug/Kg	98.750		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.924		50.000	5.000 U	100	%	75-120	
Styrene, Solid	ug/Kg	51.181		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	48.379		50.000	5.000 U	97	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.278		50.000	5.000 U	97	%	59-114	
Bromobenzene, Solid	ug/Kg	53.961		50.000	5.000 U	108	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	53.963		50.000	5.000 U	108	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.644		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	53.190		50.000	5.000 U	106	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	53.589		50.000	5.000 U	107	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05J28DSG	164055-014		10/28/2005	0934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	51.948		50.000	5.000 U	104	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	52.300		50.000	5.000 U	105	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	51.351		50.000	5.000 U	103	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.300		50.000	5.000 U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	50.816		50.000	5.000 U	102	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	48.275		50.000	5.000 U	97	%	65-121	
n-Butylbenzene, Solid	ug/Kg	50.478		50.000	5.000 U	101	%	64-133	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	45.221		50.000	5.000 U	90	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	45.912		50.000	5.000 U	92	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Test Method.....: 8260B Equipment Code....: GCL19 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164085

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164055-013		10/28/2005	0909

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Q U A L I T Y C O N T R O L R E S U L T S

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M051SPK001	163391-002		10/24/2005	1710

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.54		10.00	0.37 U	95	%	80-120	
Barium, Solid	mg/Kg	195.83		200.00	0.12 B	98	%	80-120	
Cadmium, Solid	mg/Kg	4.92		5.00	0.06 U	98	%	80-120	
Chromium, Solid	mg/Kg	20.34		20.00	0.22 B	102	%	80-120	
Lead, Solid	mg/Kg	9.54		10.00	0.25 U	95	%	80-120	
Selenium, Solid	mg/Kg	9.59		10.00	0.45 U	96	%	80-120	
Silver, Solid	mg/Kg	4.42		5.00	0.10 U	88	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163391	163391-001		10/24/2005	1705

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 163565

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.12	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.22	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241151-11		10/24/2005	1820

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.77	B			1.12	0.34	A	0.95	
Barium, Solid	mg/Kg	110.25				96.90	12.9	R	20.0	
Cadmium, Solid	mg/Kg	0.21				0.19	B 0.02	A	0.19	
Chromium, Solid	mg/Kg	4.31				4.11	0.20	A	0.95	
Lead, Solid	mg/Kg	7.02				6.82	2.9	R	20.0	
Selenium, Solid	mg/Kg	0.85	B			0.83	B 0.02	A	0.95	
Silver, Solid	mg/Kg	0.10	U			0.20	B 0.20	A	0.48	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151

Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05ISPK001	241151-11		10/24/2005	1824

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 163565

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	8.68		8.96	1.12	84	%	75-125	
Barium, Solid	mg/Kg	260.28		179.20	96.90	91	%	75-125	
Cadmium, Solid	mg/Kg	4.38		4.48	0.19	94	%	75-125	
Chromium, Solid	mg/Kg	26.05		17.92	4.11	122	%	75-125	
Lead, Solid	mg/Kg	15.49		8.96	6.82	97	%	75-125	
Selenium, Solid	mg/Kg	8.49		8.96	0.83 B	95	%	75-125	
Silver, Solid	mg/Kg	3.69		4.48	0.20 B	82	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M05ISPK001	241151-11		10/24/2005	1829

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.03	8.68	9.46	1.12		84	%	75-125	
							0.0	R	20	
Barium, Solid	mg/Kg	293.14	260.28	189.10	96.90		104	%	75-125	
							13.3	R	20	
Cadmium, Solid	mg/Kg	4.59	4.38	4.73	0.19	B	97	%	75-125	
							3.1	R	20	
Chromium, Solid	mg/Kg	26.55	26.05	18.91	4.11		119	%	75-125	
							2.5	R	20	
Lead, Solid	mg/Kg	15.83	15.49	9.46	6.82		95	%	75-125	
							2.1	R	20	
Selenium, Solid	mg/Kg	8.77	8.49	9.46	0.83	B	93	%	75-125	
							2.1	R	20	
Silver, Solid	mg/Kg	3.92	3.69	4.73	0.20	B	83	%	75-125	
							1.2	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241151-11		10/24/2005	1815

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 163565

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.35	U			1.12					
Barium, Solid	mg/Kg	20.39				96.90		5.2	D	10.0	
Cadmium, Solid	mg/Kg	0.06	U			0.19	B				
Chromium, Solid	mg/Kg	0.99				4.11					
Lead, Solid	mg/Kg	1.38				6.82					
Selenium, Solid	mg/Kg	0.43	U			0.83	B				
Silver, Solid	mg/Kg	0.10	U			0.20	B				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241151 Report Date.: 10/31/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163280 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163280-001		%	0.1000 U								10/20/2005	1525
MD	241151-11		%	81.20000			81.40000	0.2		R	5.0	10/20/2005	1531

Test Method.....: 7471A Batch.....: 163415 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163407-007		mg/Kg	0.01 U								10/21/2005	1405
LCS	163407-008	MO4LSTK010	mg/Kg	0.17		0.17	0.01 U	105		%	80-120	10/21/2005	1407
MD	241151-11		mg/Kg	0.03			0.03	0.00		A	0.02	10/21/2005	1459
MS	241151-11	MO4KSTK001	mg/Kg	0.11		0.10	0.03	80		%	75-125	10/21/2005	1501
MSD	241151-11	MO4KSTK001	mg/Kg	0.11	0.11	0.10	0.03	80		%	75-125	10/21/2005	1503
								0.0		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
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University Park, IL 60466
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Report To:
Contact: ERIC BURNS
Company: HGL
Address: NORTHROP EXECUTIVE PARK
8TH USHERS RD
BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: EBURNS@HGL.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: GMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 241151

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 2.3

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. JACKSON
Signature: [signature]
Project Name: GW Plume Delineation
Project Number: GMA009-001
Project Location: MLA Barracks - Hoosick AAF
Date Required
Hard Copy: ____/____/____
Fax: ____/____/____
Lab PM: Linda Mackley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	RCRA Metals	VOCs 8260B	Reactivity Metals	Additional Analyses / Remarks
		MCA-GW006-15-1005	10.19.05	0835	W	G		3	40ml	HCl	X				3 Day TAT
		MCA-GW006-30-1005		0840				1	40ml	HCl					
		MCA-GW006-45-1005		0935				3	5g	Encore					
		MCA-GW007-15-1005		1035											
1		MCA-GW007-30-1005		1110											STD TAT
2		MCA-GW007-39-1005		1305											STD TAT
		MCA-GW031-45-1005		~~0835~~ 0935											TIME: 0755 3DAY TAT
3		MCA-GW009-15-1005		1345											STD TAT
4		MCA-GW009-30-1005		1430											
5		MCA-GWDUP02-1005		1443											
6		MCA-S0003-6-7-1005		1025	S	C					X	X	X	X	
7		MCA-S0005-6-7-1005		1335	S										

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	HGL	10-19-05	1845	[signature]	STL	10/20/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 20 / 05
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHWAY 10 EXECUTIVE PARK 8th USHERS Rd. BALLSTON LAKE, NY 12819
Phone: 518-877-0310
Fax: 518-877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 2 of 3

Lab Lot# 241151

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M. JACKSON
Signature: Mill D. Jackson
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: MCA BARRACKS - INNER APF
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: LINDA MACKLEY

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree: Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	RCRA METALS	VOCs 8260B	VOCs	S VOCs 8270C	Additional Analyses / Remarks
8		MCA-SODUP02-1005	10-19-05	1117	S	C		X	X			STD TAT
9		MCA-GW009-45-1005		1545	WW	G	X					
10		TB101905		1805	W	G				X		
11		MCA-SO0017-5.7-1005		1740	S	C		X	X	X	X	
12		MCA-SOMS101-1005		1740	↓	↓		↓			↓	
13		MCA-SOMSD101-1005		1740	↓	↓		↓			↓	
14		MCA-SO016-6.7-1005		1705	↓	↓		↓			↓	
15		EB 101905	↓	1805	W	G	X					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-19-05	1845		STL	10/20/05	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 20 / 05
Courier: FX Hand Delivered ☐
Bill of Lading See attached

SEVERN TRENT STL®

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Tel: 708 534 5200 Fax: 708 534 5211
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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 241319

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/08/2005

Linda S Mackley
Signature

11-8-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (59) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08102105

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc.
Hunter AAF
Job Number: 241319
VOA DATA:

1. All samples were analyzed within the method required hold-time.

2. The MB (Method Blank) had all analytes undetected.

3. The LCS (Laboratory Control Samples) had all five control spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was not performed on this sample set.

5. The dilution to sample 7 had one surrogate above the QAPP specified QC limits, but within the in house QC limits. The dilution to sample 7 was reanalyzed with similar results and the best analysis was reported. The other samples had all surrogate recoveries within the QAPP specified QC limits.

6. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

7. The volatile samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water samples were analyzed using a 10-mL purge volume. A secondary dilution was required on sample 7 for target compounds. The results and reporting limits were adjusted to account for the dilutions performed.

John Nagel
GC/MS Dept.

11-8-05
Date

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S A M P L E I N F O R M A T I O N
Date: 11/08/2005

Job Number.: 241319
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241319-1	EB102505	Water	10/25/2005	16:15	10/26/2005	09:45
241319-2	TB102505	Water	10/25/2005	17:00	10/26/2005	09:45
241319-3	MCA-S0002-0-2-1005	Soil	10/25/2005	08:15	10/26/2005	09:45
241319-4	MCA-S0006-0.5-1.5-1005	Soil	10/25/2005	14:25	10/26/2005	09:45
241319-5	MCA-SODUP104-1005	Soil	10/25/2005	10:49	10/26/2005	09:45
241319-6	MCA-S0008-3-4-1005	Soil	10/25/2005	15:55	10/26/2005	09:45
241319-7	MCA-GWDUP106-1005	Water	10/25/2005	15:43	10/26/2005	09:45

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Methylene chloride	1.5			0.24	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chloroform	0.68	J		0.14	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Ethylbenzene	0.72	J		0.21	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	m&p-Xylenes	2.2			0.36	2.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	o-Xylene	0.66	J		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 241319-1
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0325	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102505
Date Sampled.....: 10/25/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241319-2
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0349	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.5			0.10	0.10	1	%	163755		10/26/05 1555	pfk
	% Moisture, Solid	8.5			0.10	0.10	1	%	163755		10/26/05 1555	pfk
9045C	pH (Soil)											
	pH, Solid	5.8			0.2	0.2	1	pH Units	164183		10/31/05 1305	pmf
375.4	Sulfate, Turbidimetric											
	Sulfate, Solid*	55	U		17	55	1	mg/Kg	164239		10/31/05 1510	cls
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	50	U		8.8	50	1	mg/Kg	163874		10/27/05 1510	mtb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.025	B		0.0067	0.036	1	mg/Kg	163957		10/27/05 1545	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.0	U		0.38	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Barium, Solid*	3.3			0.075	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Cadmium, Solid*	0.21	U		0.060	0.21	1	mg/Kg	164090		10/28/05 1340	lmr
	Chromium, Solid*	2.2			0.10	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Lead, Solid*	3.2			0.26	0.52	1	mg/Kg	164090		10/28/05 1340	lmr
	Selenium, Solid*	1.0	U		0.47	1.0	1	mg/Kg	164090		10/28/05 1340	lmr
	Silver, Solid*	0.13	B		0.10	0.52	1	mg/Kg	164090		10/28/05 1340	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloromethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Vinyl chloride, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Bromomethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloroethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Trichlorofluoromethane, Solid*	5.5	U		1.6	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Carbon disulfide, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Acetone, Solid*	5.5	U		4.7	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Methylene chloride, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	trans-1,2-Dichloroethene, Solid*	5.5	U		0.84	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloroethane, Solid*	5.5	U		0.64	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2,2-Dichloropropane, Solid*	5.5	U		1.5	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	cis-1,2-Dichloroethene, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Butanone (MEK), Solid*	5.5	U		2.4	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromochloromethane, Solid*	5.5	U		0.82	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chloroform, Solid*	5.5	U		0.74	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,1-Trichloroethane, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1-Dichloropropene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Carbon tetrachloride, Solid*	5.5	U		0.80	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Benzene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichloroethane, Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Trichloroethene, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichloropropane, Solid*	5.5	U		0.60	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Dibromomethane, Solid*	5.5	U		0.87	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromodichloromethane, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	cis-1,3-Dichloropropene, Solid*	5.5	U		0.63	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Toluene, Solid*	5.5	U		1.9	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	trans-1,3-Dichloropropene, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,2-Trichloroethane, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0002-0-2-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 08:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-3
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Tetrachloroethene, Solid*	5.5	U		0.98	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,3-Dichloropropane, Solid*	5.5	U		0.67	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Hexanone, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Dibromochloromethane, Solid*	5.5	U		0.71	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dibromoethane (EDB), Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Chlorobenzene, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Ethylbenzene, Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0127	ges
	o-Xylene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Styrene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromoform, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Isopropylbenzene, Solid*	5.5	U		0.74	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	Bromobenzene, Solid*	5.5	U		0.53	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.5	U		0.77	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,3-Trichloropropane, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	n-Propylbenzene, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	2-Chlorotoluene, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,3,5-Trimethylbenzene, Solid*	5.5	U		0.88	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	4-Chlorotoluene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	tert-Butylbenzene, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,4-Trimethylbenzene, Solid*	5.5	U		0.93	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	sec-Butylbenzene, Solid*	5.5	U		0.92	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	p-Isopropyltoluene, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	n-Butylbenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dichlorobenzene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.5	U		1.6	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges
	1,2,3-Trichlorobenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0127	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0006-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
Method	% Solids Determination											
	% Solids, Solid	90.9			0.10	0.10	1	%	163755		10/26/05 1556	pfk
	% Moisture, Solid	9.1			0.10	0.10	1	%	163755		10/26/05 1556	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.023	B		0.0067	0.036	1	mg/Kg	163957		10/27/05 1547	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.45	B		0.38	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Barium, Solid*	11			0.074	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Cadmium, Solid*	0.20	U		0.059	0.20	1	mg/Kg	164090		10/28/05 1345	lmr
	Chromium, Solid*	4.0			0.10	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Lead, Solid*	3.2			0.26	0.51	1	mg/Kg	164090		10/28/05 1345	lmr
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	164090		10/28/05 1345	lmr
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	164090		10/28/05 1345	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloromethane, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Vinyl chloride, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromomethane, Solid*	5.6	U		3.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloroethane, Solid*	5.6	U		3.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Trichlorofluoromethane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1-Dichloroethene, Solid*	5.6	U		1.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Carbon disulfide, Solid*	5.6	U		1.1	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Acetone, Solid*	5.9			4.8	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Methylene chloride, Solid*	5.6	U		1.8	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	trans-1,2-Dichloroethene, Solid*	5.6	U		0.87	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0006-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	5.6	U		0.66	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2,2-Dichloropropane, Solid*	5.6	U		1.6	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	cis-1,2-Dichloroethene, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Butanone (MEK), Solid*	5.6	U		2.5	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromochloromethane, Solid*	5.6	U		0.84	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chloroform, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,1-Trichloroethane, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1-Dichloropropene, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Carbon tetrachloride, Solid*	5.6	U		0.82	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Benzene, Solid*	5.6	U		0.78	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichloroethane, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Trichloroethene, Solid*	31			0.74	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichloropropane, Solid*	5.6	U		0.62	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Dibromomethane, Solid*	5.6	U		0.90	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromodichloromethane, Solid*	5.6	U		0.64	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	cis-1,3-Dichloropropene, Solid*	5.6	U		0.65	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Toluene, Solid*	5.6	U		1.9	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	trans-1,3-Dichloropropene, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,2-Trichloroethane, Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Tetrachloroethene, Solid*	5.6	U		1.0	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,3-Dichloropropane, Solid*	5.6	U		0.69	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Hexanone, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Dibromochloromethane, Solid*	5.6	U		0.73	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dibromoethane (EDB), Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Chlorobenzene, Solid*	5.6	U		0.63	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.6	U		0.67	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Ethylbenzene, Solid*	5.6	U		0.72	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOOO6-0.5-1.5-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 14:25
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-4
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.6	U		0.70	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Styrene, Solid*	5.6	U		0.70	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromoform, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Isopropylbenzene, Solid*	5.6	U		0.76	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	Bromobenzene, Solid*	5.6	U		0.55	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.6	U		0.80	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,3-Trichloropropane, Solid*	5.6	U		1.3	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	n-Propylbenzene, Solid*	5.6	U		0.83	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	2-Chlorotoluene, Solid*	5.6	U		0.74	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,3,5-Trimethylbenzene, Solid*	5.6	U		0.91	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	4-Chlorotoluene, Solid*	5.6	U		0.78	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	tert-Butylbenzene, Solid*	5.6	U		0.88	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,4-Trimethylbenzene, Solid*	5.6	U		0.96	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	sec-Butylbenzene, Solid*	5.6	U		0.94	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	p-Isopropyltoluene, Solid*	5.6	U		0.92	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	n-Butylbenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dichlorobenzene, Solid*	5.6	U		0.81	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.6	U		1.7	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges
	1,2,3-Trichlorobenzene, Solid*	5.6	U		1.2	5.6	1.00000	ug/Kg	164913		11/04/05 0152	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	89.9			0.10	0.10	1	%	164096		10/31/05 0906	pfk
	% Moisture, Solid	10.1			0.10	0.10	1	%	164096		10/31/05 0906	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	3.4	U		0.65	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloromethane, Solid*	3.4	U		0.89	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Vinyl chloride, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromomethane, Solid*	3.4	U	*	2.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloroethane, Solid*	3.4	U		2.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Trichlorofluoromethane, Solid*	3.4	U		1.0	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloroethene, Solid*	3.4	U		0.89	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Carbon disulfide, Solid*	3.4	U		0.68	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Acetone, Solid*	3.4	U	*	2.9	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Methylene chloride, Solid*	3.4	U		1.1	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	trans-1,2-Dichloroethene, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloroethane, Solid*	3.4	U		0.40	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2,2-Dichloropropane, Solid*	3.4	U	*	0.96	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	cis-1,2-Dichloroethene, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Butanone (MEK), Solid*	3.4	U		1.5	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromochloromethane, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chloroform, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,1-Trichloroethane, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1-Dichloropropene, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Carbon tetrachloride, Solid*	3.4	U		0.50	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Benzene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dichloroethane, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Trichloroethene, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,2-Dichloropropane, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Dibromomethane, Solid*	3.4	U		0.55	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromodichloromethane, Solid*	3.4	U		0.39	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	cis-1,3-Dichloropropene, Solid*	3.4	U		0.40	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	4-Methyl-2-pentanone (MIBK), Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Toluene, Solid*	3.5			1.2	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	trans-1,3-Dichloropropene, Solid*	3.4	U		0.41	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,2-Trichloroethane, Solid*	3.4	U		0.56	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Tetrachloroethene, Solid*	3.4	U		0.62	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,3-Dichloropropane, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Hexanone, Solid*	3.4	U	*	0.82	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Dibromochloromethane, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dibromoethane (EDB), Solid*	3.4	U		0.44	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Chlorobenzene, Solid*	3.4	U		0.38	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,1,2-Tetrachloroethane, Solid*	3.4	U		0.41	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Ethylbenzene, Solid*	3.4	U		0.44	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	m&p-Xylenes, Solid*	6.8	U		0.82	6.8	1.00000	ug/Kg	164952		11/04/05 1257	ges
	o-Xylene, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Styrene, Solid*	3.4	U		0.42	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromoform, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Isopropylbenzene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	Bromobenzene, Solid*	3.4	U		0.34	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,1,2,2-Tetrachloroethane, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2,3-Trichloropropane, Solid*	3.4	U	*	0.82	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	n-Propylbenzene, Solid*	3.4	U		0.51	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	2-Chlorotoluene, Solid*	3.4	U		0.45	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,3,5-Trimethylbenzene, Solid*	3.4	U		0.55	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	4-Chlorotoluene, Solid*	3.4	U		0.47	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	tert-Butylbenzene, Solid*	3.4	U		0.53	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP104-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 10:49
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-5
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	3.4	U		0.58	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	sec-Butylbenzene, Solid*	3.4	U		0.58	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	p-Isopropyltoluene, Solid*	3.4	U		0.56	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	n-Butylbenzene, Solid*	3.4	U		0.75	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dichlorobenzene, Solid*	3.4	U		0.49	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2-Dibromo-3-chloropropane, Solid*	3.4	U	*	1.0	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges
	1,2,3-Trichlorobenzene, Solid*	3.4	U		0.75	3.4	1.00000	ug/Kg	164952		11/04/05 1257	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	87.4			0.10	0.10	1	%	163755		10/26/05 1557	pfk
	% Moisture, Solid	12.6			0.10	0.10	1	%	163755		10/26/05 1557	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.027	B		0.0070	0.038	1	mg/Kg	163957		10/27/05 1549	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.98	U		0.36	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Barium, Solid*	11			0.071	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Cadmium, Solid*	0.20	U		0.057	0.20	1	mg/Kg	164090		10/28/05 1349	lmr
	Chromium, Solid*	3.8			0.098	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Lead, Solid*	19			0.24	0.49	1	mg/Kg	164090		10/28/05 1349	lmr
	Selenium, Solid*	0.98	U		0.44	0.98	1	mg/Kg	164090		10/28/05 1349	lmr
	Silver, Solid*	0.49	U		0.098	0.49	1	mg/Kg	164090		10/28/05 1349	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.5	U		1.0	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloromethane, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Vinyl chloride, Solid*	5.5	U		0.86	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromomethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloroethane, Solid*	5.5	U		3.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Trichlorofluoromethane, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1-Dichloroethene, Solid*	5.5	U		1.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Carbon disulfide, Solid*	5.5	U		1.1	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Acetone, Solid*	35			4.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Methylene chloride, Solid*	5.5	U		1.8	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	trans-1,2-Dichloroethene, Solid*	5.5	U		0.85	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	1,1-Dichloroethane, Solid*	5.5	U		0.65	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2,2-Dichloropropane, Solid*	5.5	U		1.5	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	cis-1,2-Dichloroethene, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Butanone (MEK), Solid*	5.5	U		2.4	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromochloromethane, Solid*	5.5	U		0.83	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chloroform, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,1-Trichloroethane, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1-Dichloropropene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Carbon tetrachloride, Solid*	5.5	U		0.80	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Benzene, Solid*	5.5	U		0.76	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichloroethane, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Trichloroethene, Solid*	5.5	U		0.73	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichloropropane, Solid*	5.5	U		0.61	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Dibromomethane, Solid*	5.5	U		0.88	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromodichloromethane, Solid*	5.5	U		0.63	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	cis-1,3-Dichloropropene, Solid*	5.5	U		0.64	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Toluene, Solid*	5.5	U		1.9	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	trans-1,3-Dichloropropene, Solid*	5.5	U		0.66	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,2-Trichloroethane, Solid*	5.5	U		0.90	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Tetrachloroethene, Solid*	5.5	U		0.99	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,3-Dichloropropane, Solid*	5.5	U		0.67	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Hexanone, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Dibromochloromethane, Solid*	5.5	U		0.72	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dibromoethane (EDB), Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Chlorobenzene, Solid*	5.5	U		0.62	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.5	U		0.66	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Ethylbenzene, Solid*	5.5	U		0.70	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	m&p-Xylenes, Solid*	11	U		1.3	11	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0008-3-4-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241319-6
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Styrene, Solid*	5.5	U		0.68	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromoform, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Isopropylbenzene, Solid*	5.5	U		0.75	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	Bromobenzene, Solid*	5.5	U		0.54	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.5	U		0.78	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,3-Trichloropropane, Solid*	5.5	U		1.3	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	n-Propylbenzene, Solid*	5.5	U		0.81	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	2-Chlorotoluene, Solid*	5.5	U		0.73	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,3,5-Trimethylbenzene, Solid*	5.5	U		0.89	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	4-Chlorotoluene, Solid*	5.5	U		0.76	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	tert-Butylbenzene, Solid*	5.5	U		0.86	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,4-Trimethylbenzene, Solid*	5.5	U		0.94	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	sec-Butylbenzene, Solid*	5.5	U		0.92	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	p-Isopropyltoluene, Solid*	5.5	U		0.90	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	n-Butylbenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dichlorobenzene, Solid*	5.5	U		0.79	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.5	U		1.7	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges
	1,2,3-Trichlorobenzene, Solid*	5.5	U		1.2	5.5	1.00000	ug/Kg	164913		11/04/05 0244	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloroethene	0.60	J		0.25	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	trans-1,2-Dichloroethene	1.7			0.29	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	cis-1,2-Dichloroethene	15			0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Trichloroethene	300			1.3	10	10.0000	ug/L	164839	D1	11/05/05 0438	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Toluene	3.2			0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Tetrachloroethene	4.3			0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	m&p-Xylenes	1.3	J		0.36	2.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241319 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/25/2005
Time Sampled.....: 15:43
Sample Matrix.....: Water

Laboratory Sample ID: 241319-7
Date Received.....: 10/26/2005
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164839		11/05/05 0413	jdn

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241319-1 Client ID: EB102505 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005 0325	
EDD	Electronic Data Deliverable	1				
8260B	Volatile Organics	1	164839	164740	11/05/2005 0325	1.00000

Lab ID: 241319-2 Client ID: TB102505 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005 0349	
8260B	Volatile Organics	1	164839	164740	11/05/2005 0349	1.00000

Lab ID: 241319-3 Client ID: MCA-S0002-0-2-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1555	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0127	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0415	
5035	5035 Preservation Low	1	163784		10/27/2005 0415	
5035	5035 Preservation Low	1	163784		10/27/2005 0416	
5035	5035 Preservation Low	2	163784		10/27/2005 0415	
5035	5035 Preservation Low	2	163784		10/27/2005 0416	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164456			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1545	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1340	
7.3.4.2/9034	Reactivity, Sulfide	1	163874	163874	10/27/2005 1510	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
375.4	Sulfate, Turbidimetric	1	164239	164239	10/31/2005 1510	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005 0127	1.00000
9045C	pH (Soil)	1	164183	164183	10/31/2005 1305	

Lab ID: 241319-4 Client ID: MCA-S0006-0.5-1.5-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1556	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0152	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0416	
5035	5035 Preservation Low	1	163784		10/27/2005 0416	
5035	5035 Preservation Low	2	163784		10/27/2005 0417	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164456			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1547	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1345	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005 0152	1.00000

Lab ID: 241319-5 Client ID: MCA-SODUP104-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	164096	164096	10/31/2005 0906	
5035	5035 Archon Closed Purge & Trap	1	164695		11/04/2005 1257	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005 0418	
5035	5035 Preservation Low	1	163784		10/27/2005 0418	
5035	5035 Preservation Low	2	163784		10/28/2005 0940	
Supplies	Bottles and Supplies - Charges	1	164456			
8260B	Volatile Organics	1	164952	163784-164695	11/04/2005 1257	1.00000

Lab ID: 241319-6 Client ID: MCA-S0008-3-4-1005 — Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1557	

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L A B O R A T O R Y C H R O N I C L E

Job Number: 241319 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241319-6 Client ID: MCA-S0008-3-4-1005 Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005	0244	
5035	5035 Preservation High (Methanol)	1	163785		10/27/2005	0419	
5035	5035 Preservation Low	1	163784		10/27/2005	0419	
5035	5035 Preservation Low	2	163784		10/27/2005	0418	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005	1845	
Supplies	Bottles and Supplies - Charges	1	164456				
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005	1549	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005	1349	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005	1200	
8260B	Volatile Organics	1	164913	163784-164658	11/04/2005	0244	1.00000

Lab ID: 241319-7 Client ID: MCA-GWDUP106-1005 Date Recvd: 10/26/2005 Sample Date: 10/25/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164740		11/05/2005	0413	
5030B	5030 10 mL Purge Prep	2	164740		11/05/2005	0438	
5030B	5030 10 mL Purge Prep	3	164939		11/07/2005	2332	
8260B	Volatile Organics	1	164839	164740	11/05/2005	0413	1.00000
8260B	Volatile Organics	1	164839	164740	11/05/2005	0438	10.0000

SURROGATE RECOVERIES REPORT

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 163658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/03/2005	90	95	84	92

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913 164952
Prep Batch..: 163784

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/04/2005	87	100	87	91
EB3			11/04/2005	85	100	85	93
241319- 3		MCA-S0002-0-2-1005	11/04/2005	93	99	87	94
241319- 4		MCA-S0006-0.5-1.5-1005	11/04/2005	94	101	89	98
241319- 5		MCA-SODUP104-1005	11/04/2005	84	92	85	91
241319- 6		MCA-S0008-3-4-1005	11/04/2005	93	97	90	94

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164333

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB3			11/03/2005	79	95	82	89

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	79	95	83	92
MB			11/03/2005	80	97	83	88

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SURROGATE RECOVERIES REPORT

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164658
Method Code...: 8260B Batch(s).....: 164913

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 164695
Method Code...: 8260B Batch(s).....: 164952

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/04/2005	81	94	84	93
LCS			11/04/2005	81	95	85	93
MB			11/04/2005	80	92	81	87

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164740
Method Code...: 8260B Batch(s).....: 164839

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/04/2005	96	108	109	101
MB			11/04/2005	104	101	109	98
241319- 1		EB102505	11/05/2005	115	105	115	100
241319- 2		TB102505	11/05/2005	113	104	110	101
241319- 7		MCA-GWDUP106-1005	11/05/2005	109	107	109	102
241319- 7	D1	MCA-GWDUP106-1005	11/05/2005	114	103	117*	101

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCS	Laboratory Control Sample	V05K04DSA	164740-02B		11/04/2005 2211

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL2
Batch.....: 164839
Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	22.837		25.000	1.000 U	91	%	24-171	
Chloromethane	ug/L	19.868		25.000	1.000 U	79	%	31-182	
Vinyl chloride	ug/L	21.370		25.000	1.000 U	85	%	50-145	
Bromomethane	ug/L	31.600		25.000	1.000 U	126	%	31-188	
Chloroethane	ug/L	21.108		25.000	1.000 U	84	%	58-148	
Trichlorofluoromethane	ug/L	24.016		25.000	1.000 U	96	%	54-142	
1,1-Dichloroethene	ug/L	21.898		25.000	1.000 U	88	%	51-136	
Carbon disulfide	ug/L	16.698		25.000	5.000 U	67	%	21-111	
Acetone	ug/L	22.180		25.000	5.000 U	89	%	14-177	
Methylene chloride	ug/L	21.323		25.000	1.000 U	85	%	64-127	
trans-1,2-Dichloroethene	ug/L	20.413		25.000	1.000 U	82	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	25.178		25.000	1.000 U	101	%	55-142	
1,1-Dichloroethane	ug/L	21.932		25.000	1.000 U	88	%	70-124	
2,2-Dichloropropane	ug/L	26.629		25.000	1.000 U	107	%	68-127	
cis-1,2-Dichloroethene	ug/L	21.744		25.000	1.000 U	87	%	70-125	
2-Butanone (MEK)	ug/L	20.722		25.000	5.000 U	83	%	29-139	
Bromochloromethane	ug/L	18.257		25.000	1.000 U	73	%	57-116	
Chloroform	ug/L	23.005		25.000	1.000 U	92	%	75-122	
1,1,1-Trichloroethane	ug/L	23.616		25.000	1.000 U	94	%	70-127	
1,1-Dichloropropene	ug/L	20.349		25.000	1.000 U	81	%	70-125	
Carbon tetrachloride	ug/L	26.646		25.000	1.000 U	107	%	64-132	
Benzene	ug/L	20.635		25.000	1.000 U	83	%	75-122	
1,2-Dichloroethane	ug/L	24.368		25.000	1.000 U	97	%	67-120	
Trichloroethene	ug/L	21.165		25.000	1.000 U	85	%	70-125	
1,2-Dichloropropane	ug/L	21.382		25.000	1.000 U	86	%	76-116	
Dibromomethane	ug/L	17.586		25.000	1.000 U	70	%	68-116	
Bromodichloromethane	ug/L	25.543		25.000	1.000 U	102	%	75-125	
cis-1,3-Dichloropropene	ug/L	22.566		26.000	1.000 U	87	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	21.787		25.000	5.000 U	87	%	39-137	
Toluene	ug/L	21.621		25.000	1.000 U	86	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.248		24.000	1.000 U	93	%	68-119	
1,1,2-Trichloroethane	ug/L	22.126		25.000	1.000 U	89	%	63-127	
Tetrachloroethene	ug/L	21.607		25.000	1.000 U	86	%	45-150	
1,3-Dichloropropane	ug/L	22.146		25.000	1.000 U	89	%	72-118	
2-Hexanone	ug/L	19.323		25.000	5.000 U	77	%	36-144	
Dibromochloromethane	ug/L	23.363		25.000	1.000 U	93	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.352		25.000	1.000 U	89	%	62-123	
Chlorobenzene	ug/L	20.052		25.000	1.000 U	80	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	23.334		25.000	1.000 U	93	%	77-120	
Ethylbenzene	ug/L	21.756		25.000	1.000 U	87	%	75-125	
m&p-Xylenes	ug/L	44.221		50.000	2.000 U	88	%	75-123	
o-Xylene	ug/L	22.640		25.000	1.000 U	91	%	76-121	
Styrene	ug/L	22.077		25.000	1.000 U	88	%	77-128	
Bromoform	ug/L	22.815		25.000	1.000 U	91	%	65-115	
Isopropylbenzene	ug/L	18.819		25.000	1.000 U	75	%	64-119	
Bromobenzene	ug/L	20.358		25.000	1.000 U	81	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	19.548		25.000	1.000 U	78	%	61-122	
1,2,3-Trichloropropane	ug/L	22.284		25.000	1.000 U	89	%	62-124	
n-Propylbenzene	ug/L	20.319		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	20.974		25.000	1.000 U	84	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K04DSA	164740-028		11/04/2005	2211

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	21.620		25.000	1.000 U	86	%	70-132	
4-Chlorotoluene	ug/L	20.191		25.000	1.000 U	81	%	70-126	
tert-Butylbenzene	ug/L	20.960		25.000	1.000 U	84	%	70-133	
1,2,4-Trimethylbenzene	ug/L	21.208		25.000	1.000 U	85	%	71-131	
sec-Butylbenzene	ug/L	20.497		25.000	1.000 U	82	%	70-134	
p-Isopropyltoluene	ug/L	20.227		25.000	1.000 U	81	%	66-130	
n-Butylbenzene	ug/L	20.438		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	21.890		25.000	1.000 U	88	%	57-119	
1,2,3-Trichlorobenzene	ug/L	20.376		25.000	1.000 U	82	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164740-027		11/04/2005	2147

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164839

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164740-027		11/04/2005	2147

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000 U							
4-Chlorotoluene	ug/L	1.000 U							
tert-Butylbenzene	ug/L	1.000 U							
1,2,4-Trimethylbenzene	ug/L	1.000 U							
sec-Butylbenzene	ug/L	1.000 U							
p-Isopropyltoluene	ug/L	1.000 U							
n-Butylbenzene	ug/L	1.000 U							
1,2-Dibromo-3-chloropropane	ug/L	1.000 U							
1,2,3-Trichlorobenzene	ug/L	1.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U						
4-Chlorotoluene, Solid	ug/Kg	5.000	U						
tert-Butylbenzene, Solid	ug/Kg	5.000	U						
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U						
sec-Butylbenzene, Solid	ug/Kg	5.000	U						
p-Isopropyltoluene, Solid	ug/Kg	5.000	U						
n-Butylbenzene, Solid	ug/Kg	5.000	U						
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U						
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U						
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000 U							
4-Chlorotoluene, Solid	ug/Kg	5.000 U							
tert-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000 U							
sec-Butylbenzene, Solid	ug/Kg	5.000 U							
p-Isopropyltoluene, Solid	ug/Kg	5.000 U							
n-Butylbenzene, Solid	ug/Kg	5.000 U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000 U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000 U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	44.955		50.000	5.000 U	90	%	39-159	
Chloromethane, Solid	ug/Kg	47.958		50.000	5.000 U	96	%	42-180	
Vinyl chloride, Solid	ug/Kg	49.203		50.000	5.000 U	98	%	60-125	
Bromomethane, Solid	ug/Kg	45.762		50.000	5.000 U	92	%	39-165	
Chloroethane, Solid	ug/Kg	46.926		50.000	5.000 U	94	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	43.927		50.000	5.000 U	88	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	47.450		50.000	5.000 U	95	%	47-141	
Carbon disulfide, Solid	ug/Kg	38.562		50.000	5.000 U	77	%	22-118	
Acetone, Solid	ug/Kg	51.750		50.000	5.000 U	104	%	50-176	
Methylene chloride, Solid	ug/Kg	43.137		50.000	5.000 U	86	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	47.994		50.000	5.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.628		50.000	5.000 U	99	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	48.185		50.000	5.000 U	96	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.427		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	50.475		50.000	5.000 U	101	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	43.045		50.000	5.000 U	86	%	41-166	
Bromochloromethane, Solid	ug/Kg	51.171		50.000	5.000 U	102	%	61-122	
Chloroform, Solid	ug/Kg	49.084		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	49.055		50.000	5.000 U	98	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	48.642		50.000	5.000 U	97	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	48.466		50.000	5.000 U	97	%	67-130	
Benzene, Solid	ug/Kg	48.930		50.000	5.000 U	98	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.881		50.000	5.000 U	96	%	72-134	
Trichloroethene, Solid	ug/Kg	50.051		50.000	5.000 U	100	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.545		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	48.993		50.000	5.000 U	98	%	75-122	
Bromodichloromethane, Solid	ug/Kg	53.743		50.000	5.000 U	107	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	51.010		52.000	5.000 U	98	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.711		50.000	5.000 U	95	%	57-144	
Toluene, Solid	ug/Kg	50.500		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	47.783		48.000	5.000 U	100	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.185		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.253		50.000	5.000 U	97	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	49.895		50.000	5.000 U	100	%	81-123	
2-Hexanone, Solid	ug/Kg	49.785		50.000	5.000 U	100	%	57-148	
Dibromochloromethane, Solid	ug/Kg	50.126		50.000	5.000 U	100	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.784		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.852		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	50.457		50.000	5.000 U	101	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.399		50.000	5.000 U	101	%	73-121	
m&p-Xylenes, Solid	ug/Kg	99.258		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.617		50.000	5.000 U	99	%	75-120	
Styrene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	47.700		50.000	5.000 U	95	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.075		50.000	5.000 U	96	%	59-114	
Bromobenzene, Solid	ug/Kg	53.021		50.000	5.000 U	106	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.797		50.000	5.000 U	100	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.731		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	52.311		50.000	5.000 U	105	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	52.305		50.000	5.000 U	105	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	52.804		50.000	5.000	U	106	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	50.262		50.000	5.000	U	101	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	52.802		50.000	5.000	U	106	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.517		50.000	5.000	U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	51.716		50.000	5.000	U	103	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	49.410		50.000	5.000	U	99	%	65-121	
n-Butylbenzene, Solid	ug/Kg	51.391		50.000	5.000	U	103	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	50.000		50.000	5.000	U	100	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	49.134		50.000	5.000	U	98	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	51.674		50.000	5.000	U	103	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 164952
Analyst...: ges

LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits		F
Dichlorodifluoromethane, Solid	ug/Kg	36.997	37.469	50.000	5.000	U	74	%	39-159		
							1	R	20		
Chloromethane, Solid	ug/Kg	44.422	44.522	50.000	5.000	U	89	%	42-180		
							0	R	20		
Vinyl chloride, Solid	ug/Kg	44.573	44.317	50.000	5.000	U	89	%	60-125		
							1	R	20		
Bromomethane, Solid	ug/Kg	52.968	41.022	50.000	5.000	U	106	%	39-165		
							25	R	20		*
Chloroethane, Solid	ug/Kg	46.353	41.655	50.000	5.000	U	93	%	56-145		
							11	R	20		
Trichlorofluoromethane, Solid	ug/Kg	43.605	41.052	50.000	5.000	U	87	%	57-136		
							6	R	20		
1,1-Dichloroethene, Solid	ug/Kg	40.036	45.402	50.000	5.000	U	80	%	47-141		
							13	R	20		
Carbon disulfide, Solid	ug/Kg	32.353	37.191	50.000	5.000	U	65	%	22-118		
							14	R	20		
Acetone, Solid	ug/Kg	34.990	47.910	50.000	5.000	U	70	%	50-176		
							31	R	20		*
Methylene chloride, Solid	ug/Kg	39.195	44.442	50.000	5.000	U	78	%	67-133		
							13	R	20		
trans-1,2-Dichloroethene, Solid	ug/Kg	41.398	46.745	50.000	5.000	U	83	%	62-138		
							12	R	20		
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.905	51.288	50.000	5.000	U	100	%	69-155		
							3	R	20		
1,1-Dichloroethane, Solid	ug/Kg	42.290	47.511	50.000	5.000	U	85	%	65-134		
							12	R	20		
2,2-Dichloropropane, Solid	ug/Kg	36.563	45.343	50.000	5.000	U	73	%	70-134		
							21	R	20		*
cis-1,2-Dichloroethene, Solid	ug/Kg	44.420	49.264	50.000	5.000	U	89	%	65-125		
							10	R	20		
2-Butanone (MEK), Solid	ug/Kg	35.523	41.529	50.000	5.000	U	71	%	41-166		
							16	R	20		
Bromochloromethane, Solid	ug/Kg	50.548	50.046	50.000	5.000	U	101	%	61-122		
							1	R	20		
Chloroform, Solid	ug/Kg	43.094	48.329	50.000	5.000	U	86	%	73-135		
							11	R	20		
1,1,1-Trichloroethane, Solid	ug/Kg	41.943	47.271	50.000	5.000	U	84	%	71-137		
							12	R	20		
1,1-Dichloropropene, Solid	ug/Kg	39.544	45.965	50.000	5.000	U	79	%	68-134		
							15	R	20		
Carbon tetrachloride, Solid	ug/Kg	40.941	46.925	50.000	5.000	U	82	%	67-130		
							14	R	20		
Benzene, Solid	ug/Kg	43.147	48.182	50.000	5.000	U	86	%	72-125		
							11	R	20		
1,2-Dichloroethane, Solid	ug/Kg	43.498	48.400	50.000	5.000	U	87	%	72-134		
							11	R	20		
Trichloroethene, Solid	ug/Kg	41.508	47.473	50.000	5.000	U	83	%	75-125		
							13	R	20		
1,2-Dichloropropane, Solid	ug/Kg	43.230	48.875	50.000	5.000	U	86	%	76-124		
							12	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	43.068	48.016	50.000	5.000 U	86	%	75-122	
						11	R	20	
Bromodichloromethane, Solid	ug/Kg	46.368	52.358	50.000	5.000 U	93	%	82-131	
						12	R	20	
cis-1,3-Dichloropropene, Solid	ug/Kg	40.836	48.523	52.000	5.000 U	79	%	78-118	
						17	R	20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	45.546	53.239	50.000	5.000 U	91	%	57-144	
						16	R	20	
Toluene, Solid	ug/Kg	42.752	48.252	50.000	5.000 U	86	%	73-121	
						12	R	20	
trans-1,3-Dichloropropene, Solid	ug/Kg	38.191	45.849	48.000	5.000 U	80	%	77-127	
						18	R	20	
1,1,2-Trichloroethane, Solid	ug/Kg	45.638	50.690	50.000	5.000 U	91	%	79-133	
						10	R	20	
Tetrachloroethene, Solid	ug/Kg	36.744	43.643	50.000	5.000 U	73	%	65-123	
						17	R	20	
1,3-Dichloropropane, Solid	ug/Kg	41.983	48.560	50.000	5.000 U	84	%	81-123	
						15	R	20	
2-Hexanone, Solid	ug/Kg	38.860	48.293	50.000	5.000 U	78	%	57-148	
						22	R	20	*
Dibromochloromethane, Solid	ug/Kg	40.357	48.286	50.000	5.000 U	81	%	78-125	
						18	R	20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	44.989	51.867	50.000	5.000 U	90	%	77-123	
						14	R	20	
Chlorobenzene, Solid	ug/Kg	40.679	46.465	50.000	5.000 U	81	%	77-115	
						13	R	20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	42.346	49.888	50.000	5.000 U	85	%	78-126	
						16	R	20	
Ethylbenzene, Solid	ug/Kg	39.794	46.906	50.000	5.000 U	80	%	73-121	
						16	R	20	
m&p-Xylenes, Solid	ug/Kg	81.391	94.702	100.000	10.000 U	81	%	73-122	
						15	R	20	
o-Xylene, Solid	ug/Kg	41.332	47.474	50.000	5.000 U	83	%	75-120	
						14	R	20	
Styrene, Solid	ug/Kg	41.788	48.615	50.000	5.000 U	84	%	76-124	
						15	R	20	
Bromoform, Solid	ug/Kg	37.788	46.045	50.000	5.000 U	76	%	72-132	
						20	R	20	
Isopropylbenzene, Solid	ug/Kg	36.840	44.738	50.000	5.000 U	74	%	59-114	
						19	R	20	
Bromobenzene, Solid	ug/Kg	41.732	48.498	50.000	5.000 U	83	%	75-118	
						15	R	20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	41.698	49.698	50.000	5.000 U	83	%	73-125	
						18	R	20	
1,2,3-Trichloropropane, Solid	ug/Kg	42.385	52.239	50.000	5.000 U	85	%	75-126	
						21	R	20	*
n-Propylbenzene, Solid	ug/Kg	39.833	47.636	50.000	5.000 U	80	%	66-126	
						18	R	20	
2-Chlorotoluene, Solid	ug/Kg	41.362	48.306	50.000	5.000 U	83	%	68-126	
						15	R	20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	41.370	48.289	50.000	5.000 U	83	%	68-125	
						15	R	20	
4-Chlorotoluene, Solid	ug/Kg	39.050	45.883	50.000	5.000 U	78	%	70-123	
						16	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSY	164695-018		11/04/2005	1443

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	40.550	48.508	50.000	5.000	U	81	%	67-124	
							18	R	20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	41.206	47.575	50.000	5.000	U	82	%	70-126	
							14	R	20	
sec-Butylbenzene, Solid	ug/Kg	39.897	47.498	50.000	5.000	U	80	%	65-129	
							17	R	20	
p-Isopropyltoluene, Solid	ug/Kg	38.432	45.084	50.000	5.000	U	77	%	65-121	
							16	R	20	
n-Butylbenzene, Solid	ug/Kg	38.358	45.211	50.000	5.000	U	77	%	64-133	
							16	R	20	
1,2-Dichlorobenzene, Solid	ug/Kg	40.611	46.985	50.000	5.000	U	81	%	75-117	
							15	R	20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	38.934	50.828	50.000	5.000	U	78	%	61-133	
							27	R	20	*
1,2,3-Trichlorobenzene, Solid	ug/Kg	39.416	47.360	50.000	5.000	U	79	%	65-127	
							18	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSY	164695-017		11/04/2005	0455

Test Method.....: 8260B — Equipment Code....: GCL18 — Analyst...: ges
Method Description.: Volatile Organics — Batch.....: 164952

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	37.469		50.000	5.000 U	75	%	39-159	
Chloromethane, Solid	ug/Kg	44.522		50.000	5.000 U	89	%	42-180	
Vinyl chloride, Solid	ug/Kg	44.317		50.000	5.000 U	89	%	60-125	
Bromomethane, Solid	ug/Kg	41.022		50.000	5.000 U	82	%	39-165	
Chloroethane, Solid	ug/Kg	41.655		50.000	5.000 U	83	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	41.052		50.000	5.000 U	82	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	45.402		50.000	5.000 U	91	%	47-141	
Carbon disulfide, Solid	ug/Kg	37.191		50.000	5.000 U	74	%	22-118	
Acetone, Solid	ug/Kg	47.910		50.000	5.000 U	96	%	50-176	
Methylene chloride, Solid	ug/Kg	44.442		50.000	5.000 U	89	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.745		50.000	5.000 U	93	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	51.288		50.000	5.000 U	103	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	47.511		50.000	5.000 U	95	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.343		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	49.264		50.000	5.000 U	99	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	41.529		50.000	5.000 U	83	%	41-166	
Bromochloromethane, Solid	ug/Kg	50.046		50.000	5.000 U	100	%	61-122	
Chloroform, Solid	ug/Kg	48.329		50.000	5.000 U	97	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	47.271		50.000	5.000 U	95	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	45.965		50.000	5.000 U	92	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	46.925		50.000	5.000 U	94	%	67-130	
Benzene, Solid	ug/Kg	48.182		50.000	5.000 U	96	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	48.400		50.000	5.000 U	97	%	72-134	
Trichloroethene, Solid	ug/Kg	47.473		50.000	5.000 U	95	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	48.875		50.000	5.000 U	98	%	76-124	
Dibromomethane, Solid	ug/Kg	48.016		50.000	5.000 U	96	%	75-122	
Bromodichloromethane, Solid	ug/Kg	52.358		50.000	5.000 U	105	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	48.523		52.000	5.000 U	93	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	53.239		50.000	5.000 U	106	%	57-144	
Toluene, Solid	ug/Kg	48.252		50.000	5.000 U	97	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	45.849		48.000	5.000 U	96	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	50.690		50.000	5.000 U	101	%	79-133	
Tetrachloroethene, Solid	ug/Kg	43.643		50.000	5.000 U	87	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	48.560		50.000	5.000 U	97	%	81-123	
2-Hexanone, Solid	ug/Kg	48.293		50.000	5.000 U	97	%	57-148	
Dibromochloromethane, Solid	ug/Kg	48.286		50.000	5.000 U	97	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.867		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	46.465		50.000	5.000 U	93	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.888		50.000	5.000 U	100	%	78-126	
Ethylbenzene, Solid	ug/Kg	46.906		50.000	5.000 U	94	%	73-121	
m&p-Xylenes, Solid	ug/Kg	94.702		100.000	10.000 U	95	%	73-122	
o-Xylene, Solid	ug/Kg	47.474		50.000	5.000 U	95	%	75-120	
Styrene, Solid	ug/Kg	48.615		50.000	5.000 U	97	%	76-124	
Bromoform, Solid	ug/Kg	46.045		50.000	5.000 U	92	%	72-132	
Isopropylbenzene, Solid	ug/Kg	44.738		50.000	5.000 U	89	%	59-114	
Bromobenzene, Solid	ug/Kg	48.498		50.000	5.000 U	97	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.698		50.000	5.000 U	99	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.239		50.000	5.000 U	104	%	75-126	
n-Propylbenzene, Solid	ug/Kg	47.636		50.000	5.000 U	95	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	48.306		50.000	5.000 U	97	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSY	164695-017		11/04/2005	0455

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.289		50.000	5.000	U	97	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	45.883		50.000	5.000	U	92	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	48.508		50.000	5.000	U	97	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	47.575		50.000	5.000	U	95	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	47.498		50.000	5.000	U	95	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	45.084		50.000	5.000	U	90	%	65-121	
n-Butylbenzene, Solid	ug/Kg	45.211		50.000	5.000	U	90	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	46.985		50.000	5.000	U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	50.828		50.000	5.000	U	102	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	47.360		50.000	5.000	U	95	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164695-016		11/04/2005	0429

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL18
Batch.....: 164952
Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164695-016		11/04/2005	0429

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	N05ISPK001	163775-002		10/28/2005	1239

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.16		10.00	0.37	U	92	%	80-120	
Barium, Solid	mg/Kg	194.31		200.00	0.11	B	97	%	80-120	
Cadmium, Solid	mg/Kg	4.78		5.00	0.06	U	96	%	80-120	
Chromium, Solid	mg/Kg	19.64		20.00	0.10	U	98	%	80-120	
Lead, Solid	mg/Kg	10.06		10.00	0.25	U	101	%	80-120	
Selenium, Solid	mg/Kg	9.73		10.00	0.45	U	97	%	80-120	
Silver, Solid	mg/Kg	4.59		5.00	0.10	U	92	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163775	163775-001		10/28/2005	1234

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.11	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.10	U							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

Test Method.....: Method — Batch.....: 163755 — Analyst...: pfk
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163755-001		%	0.1000 U								10/26/2005	1545

Test Method.....: Method — Batch.....: 164096 — Analyst...: pfk
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164096-001		%	0.1000 U								10/31/2005	0905

Test Method.....: 9045C — Batch.....: 164183 — Analyst...: pmf
Method Description.: pH (Soil) — Equipment Code....: — Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	164183-002	I05JPH7B	pH Units	6.96000		7.01000		0.05000		A	0.20000	10/31/2005	1244
LCDP	164183-003	I05JPH7B	pH Units	6.97000		7.01000		0.04000		A	0.20000	10/31/2005	1247

Test Method.....: 375.4 — Batch.....: 164239 — Analyst...: cls
Method Description.: Sulfate, Turbidimetric — Equipment Code....: SPEC3 — Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	164239-004		mg/L	1.70000	U										10/31/2005	1435
LCS	164239-005	I04KSTSA2	mg/L	18.14000				20.00000			91		%	80-120	10/31/2005	1436
MS	241319-3	I04KSTSA2	mg/Kg	461.86	B			8743.00	17.27	U	106		%	75-125	10/31/2005	1511
MSD	241319-3	I04KSTSA2	mg/Kg	445.03	B	461.86	B	8743.00	17.27	U	102		%	75-125	10/31/2005	1512
											3.8		R	20		

Test Method.....: 7.3.4.2/9034 — Batch.....: 163874 — Analyst...: mtb
Method Description.: Reactivity, Sulfide — Equipment Code....: — Test Code.: REACS
Parameter.....: Reactivity, Sulfide

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163874-001		mg/Kg	8.80 U								10/27/2005	1455
LCS	163874-002	I05HSTSF1A	mg/Kg	182.73		195.20	8.80	U 94		%	25-116	10/27/2005	1457

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241319

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: 7471A
Method Description.: Mercury (CVAA) Solids
Parameter.....: Mercury

Batch.....: 163957
Equipment Code....: HG3

Analyst...: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	163953-007		mg/Kg	0.01	U									10/27/2005	1517
LCS	163953-008	MO4LSTK010	mg/Kg	0.17			0.17	0.01	U	101		%	80-120	10/27/2005	1519

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: NORTHERN TO EXECUTIVE PARK 312 USHER RD Baldwinsville, NY 13027
Phone: 518-877-0310
Fax: 518-877-0414
E-Mail: EEVANS@HGL.COM

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OM0009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241319

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler 3.1

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: OM0009-001
Project Location: MCA Barracks Hunter AAF
Lab PM: Linda Mackley
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	RCRA metals	VOCs 8260B (Encore)	pH	Sulfate	Sulfide*			Additional Analyses / Remarks
								3	40ml	HCl											
								2	40ml	HCl											
								3	40ml	none											
								1	8oz	none											
								1	5oz	none											
								1	4oz	none											
								1	4oz	none											
								1	4oz	none											
1		EB102505	10/25/05	1615	W	G					X										Standard TAT
2		TB102505		0700	↓	↓						X									↓
3		MCA-SOOO2-0-2-1005		0815	S	C								X	X	X	X	X			24 HR TAT
		MCA-GW002-15-1005		0930	W	G					X										Standard TAT
		MCA-GW002MS-1005		1000																	↓
		MCA-GW002MSD-1005		1000																	24 HR TAT
		MCA-GW002-30-1005		1000																	↓
		MCA-GW002-45-1005		1045	↓	↓					↓										Standard TAT
4		MCA-SOOOH-0.5-1.5-1005		1425	S	C								X	X						↓
5		MCA-SODUP104-1005		1049	↓	↓								X	↓						added by SR
6		MCA-SOOO8-3-4-1005	↓	1555	↓	↓								X	↓						
7		MCA-GWDUP106-1005		1543	W		K														

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-25-05	1930		STL	10/26/05	0945
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
* SULFIDE & SULFIDE IN SAME 4 OZ JAR

Date Received 10/26/05
Courier: FX **Hand Delivered** ☐
Bill of Lading See attached

SEVERN TRENT STL®

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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 241284

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 11/08/2005

Linda S Mackley
Signature

11-8-05
Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

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This Report Contains (107) Pages

SEVERN TRENT STL

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Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent | Title: QA Specialist | Date: 08/02/05

Severn Trent Laboratories Chicago
GC/MS Case Narrative

HydroGeoLogic, Inc./OMA009-001
Job Number: 241284
VOA DATA:

1. The samples -9 and -11 were analyzed 2 days past the 7-day non-preserved hold time from collection. All other samples were analyzed within hold-time.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS/LCD (Laboratory Control Sample/Duplicate) samples had all five controlled spike recoveries within the QC limits.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) was performed on sample -3. The MS/MSD samples had all five controlled spike recoveries within the QC limits.

5. The sample -12 had one surrogate recovery above the QC limits. Sample -12 was re-analyzed with similar surrogate recoveries. The original analysis for -12 was reported. All other samples had all surrogate recoveries within the QC limits.

6. All samples had all internal standard areas and retention times within SOP acceptance limits as compared to the corresponding calibration verification standard.

7. The water samples were prepared using Method 5030. The soil samples were prepared using low and high level Method 5035. The samples were prepared and analyzed following SW846 Methods 5030 & 8260B. All calibration criteria were met per method or SOP (for minimum R-values for certain compounds). The low point in the initial calibration verifies the base reporting limits.

8. The water samples were analyzed without dilution using a 10.0-mL purge volume. Sample -2 required initial and secondary dilutions using the high level 5035 method. The other soil samples were all analyzed using the low level 5035 method. All results and reporting limits were adjusted to account for the sample weight, analytical procedure and reported on a dry weight basis.

Gary Rynkar
GC/MS Section Manager

11/8/07
Date

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SAMPLE INFORMATION
Date: 11/08/2005

Job Number.: 241284
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
241284-1	MCA-S0012-4-6-1005	Soil	10/22/2005	09:15	10/25/2005	09:50
241284-2	MCA-S0014-4-6-1005	Soil	10/22/2005	11:40	10/25/2005	09:50
241284-3	MCA-S0013-4-6-1005	Soil	10/22/2005	15:55	10/25/2005	09:50
241284-4	MCA-GW026-16-1005	Water	10/22/2005	16:00	10/25/2005	09:50
241284-5	MCA-S007-2-4-1005	Soil	10/23/2005	08:10	10/25/2005	09:50
241284-6	MCA-S004-2-4-1005	Soil	10/23/2005	10:00	10/25/2005	09:50
241284-7	MCA-GWDUP104-1005	Water	10/23/2005	10:37	10/25/2005	09:50
241284-8	MCA-S001-2-4-1005	Soil	10/24/2005	13:10	10/25/2005	09:50
241284-9	MCA-GWDUP105-1005	Water	10/24/2005	09:38	10/25/2005	09:50
241284-10	EB102405	Water	10/24/2005	16:30	10/25/2005	09:50
241284-11	MCA-GWDUP106-1005	Water	10/24/2005	08:46	10/25/2005	09:50
241284-12	EB102305	Water	10/23/2005	17:00	10/25/2005	09:50
241284-13	TB102405A	Water	10/24/2005	18:01	10/25/2005	09:50
241284-14	TB102405B	Water	10/24/2005	18:00	10/25/2005	09:50

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO12-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.3			0.10	0.10	1	%	163755		10/26/05 1547	pfk
	% Moisture, Solid	2.7			0.10	0.10	1	%	163755		10/26/05 1547	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	4.9	U		0.94	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Chloromethane, Solid*	4.9	U		1.3	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Vinyl chloride, Solid*	4.9	U		0.77	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Bromomethane, Solid*	4.9	U		3.1	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Chloroethane, Solid*	4.9	U		3.1	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Trichlorofluoromethane, Solid*	4.9	U		1.5	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1-Dichloroethene, Solid*	4.9	U		1.3	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Carbon disulfide, Solid*	4.9	U		0.98	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Acetone, Solid*	4.9	U		4.2	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Methylene chloride, Solid*	4.9	U		1.6	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	trans-1,2-Dichloroethene, Solid*	4.9	U		0.76	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	4.9	U		0.54	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1-Dichloroethane, Solid*	4.9	U		0.58	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	2,2-Dichloropropane, Solid*	4.9	U		1.4	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	cis-1,2-Dichloroethene, Solid*	4.9	U		0.55	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	2-Butanone (MEK), Solid*	4.9	U		2.2	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Bromochloromethane, Solid*	4.9	U		0.74	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Chloroform, Solid*	4.9	U		0.67	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1,1-Trichloroethane, Solid*	4.9	U		0.71	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1-Dichloropropene, Solid*	4.9	U		0.71	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Carbon tetrachloride, Solid*	4.9	U		0.72	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Benzene, Solid*	4.9	U		0.68	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,2-Dichloroethane, Solid*	4.9	U		0.54	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Trichloroethene, Solid*	4.9	U		0.65	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO012-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	4.9	U		0.54	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Dibromomethane, Solid*	4.9	U		0.79	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Bromodichloromethane, Solid*	4.9	U		0.56	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	cis-1,3-Dichloropropene, Solid*	4.9	U		0.57	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	4-Methyl-2-pentanone (MIBK), Solid*	4.9	U		0.71	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Toluene, Solid*	4.9	U		1.7	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	trans-1,3-Dichloropropene, Solid*	4.9	U		0.59	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1,2-Trichloroethane, Solid*	4.9	U		0.81	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Tetrachloroethene, Solid*	4.9	U		0.89	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,3-Dichloropropane, Solid*	4.9	U		0.60	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	2-Hexanone, Solid*	4.9	U		1.2	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Dibromochloromethane, Solid*	4.9	U		0.64	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,2-Dibromoethane (EDB), Solid*	4.9	U		0.63	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Chlorobenzene, Solid*	4.9	U		0.55	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1,1,2-Tetrachloroethane, Solid*	4.9	U		0.59	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Ethylbenzene, Solid*	4.9	U		0.63	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	m&p-Xylenes, Solid*	9.8	U		1.2	9.8	1.00000	ug/Kg	164913		11/03/05 2136	ges
	o-Xylene, Solid*	4.9	U		0.61	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Styrene, Solid*	4.9	U		0.61	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Bromoform, Solid*	4.9	U		0.73	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Isopropylbenzene, Solid*	4.9	U		0.67	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	Bromobenzene, Solid*	4.9	U		0.48	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,1,2,2-Tetrachloroethane, Solid*	4.9	U		0.70	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,2,3-Trichloropropane, Solid*	4.9	U		1.2	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	n-Propylbenzene, Solid*	4.9	U		0.73	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	2-Chlorotoluene, Solid*	4.9	U		0.65	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,3,5-Trimethylbenzene, Solid*	4.9	U		0.80	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	4-Chlorotoluene, Solid*	4.9	U		0.68	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	tert-Butylbenzene, Solid*	4.9	U		0.77	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO12-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-1
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	4.9	U		0.84	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	sec-Butylbenzene, Solid*	4.9	U		0.83	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	p-Isopropyltoluene, Solid*	4.9	U		0.81	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	n-Butylbenzene, Solid*	4.9	U		1.1	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,2-Dichlorobenzene, Solid*	4.9	U		0.71	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,2-Dibromo-3-chloropropane, Solid*	4.9	U		1.5	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges
	1,2,3-Trichlorobenzene, Solid*	4.9	U		1.1	4.9	1.00000	ug/Kg	164913		11/03/05 2136	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0014-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane, High/Med Level*	94	U		21	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Chloromethane, High/Med Level*	94	U		19	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Vinyl chloride, High/Med Level*	24	U		12	24	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Bromomethane, High/Med Level*	94	U	*	46	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Chloroethane, High/Med Level*	94	U		18	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Trichlorofluoromethane, High/Med Level*	94	U		16	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1-Dichloroethene, High/Med Level*	47	U		13	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Carbon disulfide, High/Med Level*	94	U		8.4	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Acetone, High/Med Level*	190	U		58	190	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Methylene chloride, High/Med Level*	94	U		28	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	trans-1,2-Dichloroethene, High/Med Level*	47	U		9.2	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Methyl-tert-butyl-ether (MTBE), High/Med*Level	94	U	*	11	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1-Dichloroethane, High/Med Level*	47	U		9.2	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	2,2-Dichloropropane, High/Med Level*	47	U		9.1	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	cis-1,2-Dichloroethene, High/Med Level*	47	U		13	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	2-Butanone (MEK), High/Med Level*	94	U		52	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Bromochloromethane, High/Med Level*	94	U		15	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Chloroform, High/Med Level*	47	U		9.2	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1,1-Trichloroethane, High/Med Level*	47	U		7.4	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1-Dichloropropene, High/Med Level*	47	U		20	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Carbon tetrachloride, High/Med Level*	47	U		28	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Benzene, High/Med Level*	24	U		4.1	24	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2-Dichloroethane, High/Med Level*	47	U		12	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Trichloroethene, High/Med Level*	24	U		10	24	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2-Dichloropropane, High/Med Level*	47	U		12	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Dibromomethane, High/Med Level*	94	U		14	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Bromodichloromethane, High/Med Level*	94	U		8.1	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	cis-1,3-Dichloropropene, High/Med Level*	47	U		8.7	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0014-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK), High/Med Lev*L	94	U		60	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Toluene, High/Med Level*	24	U		5.5	24	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	trans-1,3-Dichloropropene, High/Med Level*	47	U		17	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1,2-Trichloroethane, High/Med Level*	47	U		16	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Tetrachloroethene, High/Med Level*	47	U		18	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,3-Dichloropropane, High/Med Level*	47	U		14	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	2-Hexanone, High/Med Level*	94	U		58	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Dibromochloromethane, High/Med Level*	94	U		12	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2-Dibromoethane (EDB), High/Med Level*	94	U		63	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Chlorobenzene, High/Med Level*	47	U		11	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1,1,2-Tetrachloroethane, High/Med Level*	94	U		9.6	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Ethylbenzene, High/Med Level*	250			8.1	24	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	m&p-Xylenes, High/Med Level*	1800			13	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	o-Xylene, High/Med Level*	180			6.7	24	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Styrene, High/Med Level*	47	U		15	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Bromoform, High/Med Level*	94	U		17	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Isopropylbenzene, High/Med Level*	750			19	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	Bromobenzene, High/Med Level*	94	U		15	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,1,2,2-Tetrachloroethane, High/Med Level*	47	U		13	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2,3-Trichloropropane, High/Med Level*	94	U		22	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	n-Propylbenzene, High/Med Level*	2000			30	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	2-Chlorotoluene, High/Med Level*	47	U		23	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,3,5-Trimethylbenzene, High/Med Level*	16000			260	940	10.000	ug/Kg	164677	D1	11/04/05 0431	jdn
	4-Chlorotoluene, High/Med Level*	47	U		30	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	tert-Butylbenzene, High/Med Level*	640			27	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2,4-Trimethylbenzene, High/Med Level*	34000			230	940	10.000	ug/Kg	164677	D1	11/04/05 0431	jdn
	sec-Butylbenzene, High/Med Level*	3000			28	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	p-Isopropyltoluene, High/Med Level*	5100			31	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	n-Butylbenzene, High/Med Level*	47	U		41	47	1.0000	ug/Kg	164677		11/04/05 0407	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO014-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-2
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichlorobenzene, High/Med Level*	94	U		24	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2-Dibromo-3-chloropropane, High/Med Lev*L	94	U		33	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
	1,2,3-Trichlorobenzene, High/Med Level*	94	U		46	94	1.0000	ug/Kg	164677		11/04/05 0407	jdn
Method	% Solids Determination											
	% Solids, Solid	95.3			0.10	0.10	1	%	163755		10/26/05 1548	pfk
	% Moisture, Solid	4.7			0.10	0.10	1	%	163755		10/26/05 1548	pfk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0013-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.0			0.10	0.10	1	%	163755		10/26/05 1549	pfk
	% Moisture, Solid	7.0			0.10	0.10	1	%	163755		10/26/05 1549	pfk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	4.6	U		0.88	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Chloromethane, Solid*	4.6	U		1.2	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Vinyl chloride, Solid*	4.6	U		0.72	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Bromomethane, Solid*	4.6	U		2.9	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Chloroethane, Solid*	4.6	U		2.9	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Trichlorofluoromethane, Solid*	4.6	U		1.4	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1-Dichloroethene, Solid*	4.6	U		1.2	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Carbon disulfide, Solid*	4.6	U		0.92	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Acetone, Solid*	4.6	U		4.0	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Methylene chloride, Solid*	4.6	U		1.5	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	trans-1,2-Dichloroethene, Solid*	4.6	U		0.71	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	4.6	U		0.51	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1-Dichloroethane, Solid*	4.6	U		0.54	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	2,2-Dichloropropane, Solid*	4.6	U		1.3	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	cis-1,2-Dichloroethene, Solid*	4.6	U		0.52	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	2-Butanone (MEK), Solid*	4.6	U		2.0	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Bromochloromethane, Solid*	4.6	U		0.69	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Chloroform, Solid*	4.6	U		0.63	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1,1-Trichloroethane, Solid*	4.6	U		0.66	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1-Dichloropropene, Solid*	4.6	U		0.66	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Carbon tetrachloride, Solid*	4.6	U		0.67	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Benzene, Solid*	4.6	U		0.64	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,2-Dichloroethane, Solid*	4.6	U		0.51	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Trichloroethene, Solid*	4.6	U		0.61	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0013-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dichloropropane, Solid*	4.6	U		0.51	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Dibromomethane, Solid*	4.6	U		0.74	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Bromodichloromethane, Solid*	4.6	U		0.53	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	cis-1,3-Dichloropropene, Solid*	4.6	U		0.53	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	4-Methyl-2-pentanone (MIBK), Solid*	4.6	U		0.66	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Toluene, Solid*	4.6	U		1.6	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	trans-1,3-Dichloropropene, Solid*	4.6	U		0.55	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1,2-Trichloroethane, Solid*	4.6	U		0.76	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Tetrachloroethene, Solid*	4.6	U		0.83	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,3-Dichloropropane, Solid*	4.6	U		0.56	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	2-Hexanone, Solid*	4.6	U		1.1	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Dibromochloromethane, Solid*	4.6	U		0.60	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,2-Dibromoethane (EDB), Solid*	4.6	U		0.59	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Chlorobenzene, Solid*	4.6	U		0.52	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1,1,2-Tetrachloroethane, Solid*	4.6	U		0.55	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Ethylbenzene, Solid*	4.6	U		0.59	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	m&p-Xylenes, Solid*	9.2	U		1.1	9.2	1.00000	ug/Kg	164913		11/03/05 2202	ges
	o-Xylene, Solid*	4.6	U		0.57	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Styrene, Solid*	4.6	U		0.57	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Bromoform, Solid*	4.6	U		0.68	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Isopropylbenzene, Solid*	4.6	U		0.63	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	Bromobenzene, Solid*	4.6	U		0.45	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,1,2,2-Tetrachloroethane, Solid*	4.6	U		0.65	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,2,3-Trichloropropane, Solid*	4.6	U		1.1	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	n-Propylbenzene, Solid*	4.6	U		0.68	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	2-Chlorotoluene, Solid*	4.6	U		0.61	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,3,5-Trimethylbenzene, Solid*	4.6	U		0.75	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	4-Chlorotoluene, Solid*	4.6	U		0.64	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	tert-Butylbenzene, Solid*	4.6	U		0.72	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO13-4-6-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 15:55
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-3
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trimethylbenzene, Solid*	4.6	U		0.78	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	sec-Butylbenzene, Solid*	4.6	U		0.77	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	p-Isopropyltoluene, Solid*	4.6	U		0.76	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	n-Butylbenzene, Solid*	4.6	U		1.0	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,2-Dichlorobenzene, Solid*	4.6	U		0.66	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,2-Dibromo-3-chloropropane, Solid*	4.6	U		1.4	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges
	1,2,3-Trichlorobenzene, Solid*	4.6	U		1.0	4.6	1.00000	ug/Kg	164913		11/03/05 2202	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW026-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW026-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,2,4-Trimethylbenzene	1.2			0.26	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GW026-16-1005
Date Sampled.....: 10/22/2005
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-4
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164672		11/04/05 0455	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S007-2-4-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:10
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	93.4			0.10	0.10	1	%	163755		10/26/05 1551	pfk
	% Moisture, Solid	6.6			0.10	0.10	1	%	163755		10/26/05 1551	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035	U		0.0065	0.035	1	mg/Kg	163957		10/27/05 1522	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.2			0.38	1.0	1	mg/Kg	164090		10/28/05 1244	lmr
	Barium, Solid*	12			0.074	1.0	1	mg/Kg	164090		10/28/05 1244	lmr
	Cadmium, Solid*	0.20	U		0.059	0.20	1	mg/Kg	164090		10/28/05 1244	lmr
	Chromium, Solid*	3.4			0.10	1.0	1	mg/Kg	164090		10/28/05 1244	lmr
	Lead, Solid*	3.3			0.26	0.51	1	mg/Kg	164090		10/28/05 1244	lmr
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	164090		10/28/05 1244	lmr
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	164090		10/28/05 1244	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	4.7	U		0.89	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Chloromethane, Solid*	4.7	U		1.2	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Vinyl chloride, Solid*	4.7	U		0.73	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Bromomethane, Solid*	4.7	U		2.9	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Chloroethane, Solid*	4.7	U		2.9	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Trichlorofluoromethane, Solid*	4.7	U		1.4	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,1-Dichloroethene, Solid*	4.7	U		1.2	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Carbon disulfide, Solid*	4.7	U		0.94	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Acetone, Solid*	4.7	U		4.0	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Methylene chloride, Solid*	4.7	U		1.5	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	trans-1,2-Dichloroethene, Solid*	4.7	U		0.72	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	4.7	U		0.52	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S007-2-4-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:10
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	4.7	U		0.55	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	2,2-Dichloropropane, Solid*	4.7	U		1.3	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	cis-1,2-Dichloroethene, Solid*	4.7	U		0.53	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	2-Butanone (MEK), Solid*	4.7	U		2.1	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Bromochloromethane, Solid*	4.7	U		0.70	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Chloroform, Solid*	4.7	U		0.64	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,1,1-Trichloroethane, Solid*	4.7	U		0.68	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,1-Dichloropropene, Solid*	4.7	U		0.68	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Carbon tetrachloride, Solid*	4.7	U		0.68	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Benzene, Solid*	4.7	U		0.65	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2-Dichloroethane, Solid*	4.7	U		0.52	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Trichloroethene, Solid*	4.7	U		0.62	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2-Dichloropropane, Solid*	4.7	U		0.52	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Dibromomethane, Solid*	4.7	U		0.75	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Bromodichloromethane, Solid*	4.7	U		0.53	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	cis-1,3-Dichloropropene, Solid*	4.7	U		0.54	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	4-Methyl-2-pentanone (MIBK), Solid*	4.7	U		0.68	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Toluene, Solid*	4.7	U		1.6	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	trans-1,3-Dichloropropene, Solid*	4.7	U		0.56	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,1,2-Trichloroethane, Solid*	4.7	U		0.77	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Tetrachloroethene, Solid*	4.7	U		0.84	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,3-Dichloropropane, Solid*	4.7	U		0.57	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	2-Hexanone, Solid*	4.7	U		1.1	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Dibromochloromethane, Solid*	4.7	U		0.61	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2-Dibromoethane (EDB), Solid*	4.7	U		0.60	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Chlorobenzene, Solid*	4.7	U		0.53	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,1,1,2-Tetrachloroethane, Solid*	4.7	U		0.56	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Ethylbenzene, Solid*	4.7	U		0.60	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	m&p-Xylenes, Solid*	9.4	U		1.1	9.4	1.00000	ug/Kg	164913		11/03/05 2318	ges

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241284 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S007-2-4-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 08:10
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-5
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	4.7	U		0.58	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Styrene, Solid*	4.7	U		0.58	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Bromoform, Solid*	4.7	U		0.69	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Isopropylbenzene, Solid*	4.7	U		0.64	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	Bromobenzene, Solid*	4.7	U		0.46	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,1,2,2-Tetrachloroethane, Solid*	4.7	U		0.67	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2,3-Trichloropropane, Solid*	4.7	U		1.1	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	n-Propylbenzene, Solid*	4.7	U		0.69	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	2-Chlorotoluene, Solid*	4.7	U		0.62	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,3,5-Trimethylbenzene, Solid*	4.7	U		0.76	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	4-Chlorotoluene, Solid*	4.7	U		0.65	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	tert-Butylbenzene, Solid*	4.7	U		0.73	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2,4-Trimethylbenzene, Solid*	4.7	U		0.80	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	sec-Butylbenzene, Solid*	4.7	U		0.79	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	p-Isopropyltoluene, Solid*	4.7	U		0.77	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	n-Butylbenzene, Solid*	4.7	U		1.0	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2-Dichlorobenzene, Solid*	4.7	U		0.68	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2-Dibromo-3-chloropropane, Solid*	4.7	U		1.4	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges
	1,2,3-Trichlorobenzene, Solid*	4.7	U		1.0	4.7	1.00000	ug/Kg	164913		11/03/05 2318	ges

* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 241284 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S004-2-4-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	96.1			0.10	0.10	1	%	163755		10/26/05 1552	pfk
	% Moisture, Solid	3.9			0.10	0.10	1	%	163755		10/26/05 1552	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.034	U		0.0063	0.034	1	mg/Kg	163957		10/27/05 1530	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.45	B		0.37	0.99	1	mg/Kg	164090		10/28/05 1306	lmr
	Barium, Solid*	9.7			0.071	0.99	1	mg/Kg	164090		10/28/05 1306	lmr
	Cadmium, Solid*	0.20	U		0.058	0.20	1	mg/Kg	164090		10/28/05 1306	lmr
	Chromium, Solid*	3.6			0.099	0.99	1	mg/Kg	164090		10/28/05 1306	lmr
	Lead, Solid*	2.9			0.25	0.50	1	mg/Kg	164090		10/28/05 1306	lmr
	Selenium, Solid*	0.99	U		0.45	0.99	1	mg/Kg	164090		10/28/05 1306	lmr
	Silver, Solid*	0.50	U		0.099	0.50	1	mg/Kg	164090		10/28/05 1306	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	4.8	U		0.92	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Chloromethane, Solid*	4.8	U		1.3	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Vinyl chloride, Solid*	4.8	U		0.75	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Bromomethane, Solid*	4.8	U		3.0	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Chloroethane, Solid*	4.8	U		3.0	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Trichlorofluoromethane, Solid*	4.8	U		1.4	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,1-Dichloroethene, Solid*	4.8	U		1.3	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Carbon disulfide, Solid*	4.8	U		0.96	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Acetone, Solid*	4.8	U		4.1	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Methylene chloride, Solid*	4.8	U		1.5	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	trans-1,2-Dichloroethene, Solid*	4.8	U		0.74	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	4.8	U		0.53	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S004-2-4-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1-Dichloroethane, Solid*	4.8	U		0.57	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	2,2-Dichloropropane, Solid*	4.8	U		1.3	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	cis-1,2-Dichloroethene, Solid*	4.8	U		0.54	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	2-Butanone (MEK), Solid*	4.8	U		2.1	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Bromochloromethane, Solid*	4.8	U		0.72	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Chloroform, Solid*	4.8	U		0.66	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,1,1-Trichloroethane, Solid*	4.8	U		0.69	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,1-Dichloropropene, Solid*	4.8	U		0.69	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Carbon tetrachloride, Solid*	4.8	U		0.70	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Benzene, Solid*	4.8	U		0.66	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2-Dichloroethane, Solid*	4.8	U		0.53	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Trichloroethene, Solid*	4.8	U		0.64	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2-Dichloropropane, Solid*	4.8	U		0.53	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Dibromomethane, Solid*	4.8	U		0.77	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Bromodichloromethane, Solid*	4.8	U		0.55	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	cis-1,3-Dichloropropene, Solid*	4.8	U		0.56	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	4-Methyl-2-pentanone (MIBK), Solid*	4.8	U		0.69	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Toluene, Solid*	4.8	U		1.6	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	trans-1,3-Dichloropropene, Solid*	4.8	U		0.58	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,1,2-Trichloroethane, Solid*	4.8	U		0.79	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Tetrachloroethene, Solid*	4.8	U		0.87	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,3-Dichloropropane, Solid*	4.8	U		0.59	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	2-Hexanone, Solid*	4.8	U		1.2	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Dibromochloromethane, Solid*	4.8	U		0.63	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2-Dibromoethane (EDB), Solid*	4.8	U		0.62	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Chlorobenzene, Solid*	4.8	U		0.54	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,1,1,2-Tetrachloroethane, Solid*	4.8	U		0.58	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Ethylbenzene, Solid*	4.8	U		0.62	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	m&p-Xylenes, Solid*	9.6	U		1.2	9.6	1.00000	ug/Kg	164913		11/03/05 2343	ges

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S004-2-4-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-6
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	o-Xylene, Solid*	4.8	U		0.60	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Styrene, Solid*	4.8	U		0.60	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Bromoform, Solid*	4.8	U		0.71	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Isopropylbenzene, Solid*	4.8	U		0.66	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	Bromobenzene, Solid*	4.8	U		0.47	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,1,2,2-Tetrachloroethane, Solid*	4.8	U		0.68	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2,3-Trichloropropane, Solid*	4.8	U		1.2	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	n-Propylbenzene, Solid*	4.8	U		0.71	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	2-Chlorotoluene, Solid*	4.8	U		0.64	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,3,5-Trimethylbenzene, Solid*	4.8	U		0.78	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	4-Chlorotoluene, Solid*	4.8	U		0.66	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	tert-Butylbenzene, Solid*	4.8	U		0.75	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2,4-Trimethylbenzene, Solid*	4.8	U		0.82	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	sec-Butylbenzene, Solid*	4.8	U		0.81	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	p-Isopropyltoluene, Solid*	4.8	U		0.79	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	n-Butylbenzene, Solid*	4.8	U		1.1	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2-Dichlorobenzene, Solid*	4.8	U		0.69	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2-Dibromo-3-chloropropane, Solid*	4.8	U		1.4	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges
	1,2,3-Trichlorobenzene, Solid*	4.8	U		1.1	4.8	1.00000	ug/Kg	164913		11/03/05 2343	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP104-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:37
Sample Matrix.....: Water

Laboratory Sample ID: 241284-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	cis-1,2-Dichloroethene	0.90	J		0.20	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Trichloroethene	2.0			0.13	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP104-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:37
Sample Matrix.....: Water

Laboratory Sample ID: 241284-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP104-1005
Date Sampled.....: 10/23/2005
Time Sampled.....: 10:37
Sample Matrix.....: Water

Laboratory Sample ID: 241284-7
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164672		11/04/05 0519	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S001-2-4-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:10
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	92.0			0.10	0.10	1	%	163755		10/26/05 1553	pfk
	% Moisture, Solid	8.0			0.10	0.10	1	%	163755		10/26/05 1553	pfk
9045C	pH (Soil)											
	pH, Solid	5.1			0.2	0.2	1	pH Units	164183		10/31/05 1251	pmf
375.4	Sulfate, Turbidimetric											
	Sulfate, Solid*	54	U		17	54	1	mg/Kg	164239		10/31/05 1509	cls
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	50	U		8.8	50	1	mg/Kg	164171		10/31/05 0854	mtb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.024	B		0.0066	0.036	1	mg/Kg	163957		10/27/05 1536	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.0	U		0.38	1.0	1	mg/Kg	164090		10/28/05 1311	lmr
	Barium, Solid*	9.2			0.074	1.0	1	mg/Kg	164090		10/28/05 1311	lmr
	Cadmium, Solid*	0.20	U		0.059	0.20	1	mg/Kg	164090		10/28/05 1311	lmr
	Chromium, Solid*	1.9			0.10	1.0	1	mg/Kg	164090		10/28/05 1311	lmr
	Lead, Solid*	2.3			0.26	0.51	1	mg/Kg	164090		10/28/05 1311	lmr
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	164090		10/28/05 1311	lmr
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	164090		10/28/05 1311	lmr
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	5.1	U		0.97	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Chloromethane, Solid*	5.1	U		1.3	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Vinyl chloride, Solid*	5.1	U		0.79	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S001-2-4-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:10
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromomethane, Solid*	5.1	U		3.2	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Chloroethane, Solid*	5.1	U		3.2	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Trichlorofluoromethane, Solid*	5.1	U		1.5	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1-Dichloroethene, Solid*	5.1	U		1.3	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Carbon disulfide, Solid*	5.1	U		1.0	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Acetone, Solid*	17			4.4	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Methylene chloride, Solid*	5.1	U		1.6	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	trans-1,2-Dichloroethene, Solid*	5.1	U		0.78	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Methyl-tert-butyl-ether (MTBE), Solid*	5.1	U		0.56	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1-Dichloroethane, Solid*	5.1	U		0.60	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	2,2-Dichloropropane, Solid*	5.1	U		1.4	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	cis-1,2-Dichloroethene, Solid*	5.1	U		0.57	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	2-Butanone (MEK), Solid*	5.1	U		2.2	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Bromochloromethane, Solid*	5.1	U		0.76	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Chloroform, Solid*	5.1	U		0.69	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1,1-Trichloroethane, Solid*	5.1	U		0.73	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1-Dichloropropene, Solid*	5.1	U		0.73	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Carbon tetrachloride, Solid*	5.1	U		0.74	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Benzene, Solid*	5.1	U		0.70	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2-Dichloroethane, Solid*	5.1	U		0.56	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Trichloroethene, Solid*	5.1	U		0.67	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2-Dichloropropane, Solid*	5.1	U		0.56	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Dibromomethane, Solid*	5.1	U		0.81	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Bromodichloromethane, Solid*	5.1	U		0.58	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	cis-1,3-Dichloropropene, Solid*	5.1	U		0.59	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	4-Methyl-2-pentanone (MIBK), Solid*	5.1	U		0.73	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Toluene, Solid*	5.1	U		1.7	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	trans-1,3-Dichloropropene, Solid*	5.1	U		0.61	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1,2-Trichloroethane, Solid*	5.1	U		0.83	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S001-2-4-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 13:10
Sample Matrix.....: Soil

Laboratory Sample ID: 241284-8
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Tetrachloroethene, Solid*	5.1	U		0.92	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,3-Dichloropropane, Solid*	5.1	U		0.62	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	2-Hexanone, Solid*	5.1	U		1.2	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Dibromochloromethane, Solid*	5.1	U		0.66	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2-Dibromoethane (EDB), Solid*	5.1	U		0.65	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Chlorobenzene, Solid*	5.1	U		0.57	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1,1,2-Tetrachloroethane, Solid*	5.1	U		0.61	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Ethylbenzene, Solid*	5.1	U		0.65	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	m&p-Xylenes, Solid*	10	U		1.2	10	1.00000	ug/Kg	164913		11/04/05 0009	ges
	o-Xylene, Solid*	5.1	U		0.63	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Styrene, Solid*	5.1	U		0.63	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Bromoform, Solid*	5.1	U		0.75	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Isopropylbenzene, Solid*	5.1	U		0.69	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	Bromobenzene, Solid*	5.1	U		0.50	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,1,2,2-Tetrachloroethane, Solid*	5.1	U		0.72	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2,3-Trichloropropane, Solid*	5.1	U		1.2	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	n-Propylbenzene, Solid*	5.1	U		0.75	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	2-Chlorotoluene, Solid*	5.1	U		0.67	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,3,5-Trimethylbenzene, Solid*	5.1	U		0.82	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	4-Chlorotoluene, Solid*	5.1	U		0.70	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	tert-Butylbenzene, Solid*	5.1	U		0.79	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2,4-Trimethylbenzene, Solid*	5.1	U		0.87	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	sec-Butylbenzene, Solid*	5.1	U		0.85	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	p-Isopropyltoluene, Solid*	5.1	U		0.83	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	n-Butylbenzene, Solid*	5.1	U		1.1	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2-Dichlorobenzene, Solid*	5.1	U		0.73	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2-Dibromo-3-chloropropane, Solid*	5.1	U		1.5	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges
	1,2,3-Trichlorobenzene, Solid*	5.1	U		1.1	5.1	1.00000	ug/Kg	164913		11/04/05 0009	ges

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP105-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:38
Sample Matrix.....: Water

Laboratory Sample ID: 241284-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	cis-1,2-Dichloroethene	8.5			0.20	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Trichloroethene	19			0.13	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP105-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:38
Sample Matrix.....: Water

Laboratory Sample ID: 241284-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP105-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 09:38
Sample Matrix.....: Water

Laboratory Sample ID: 241284-9
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164524		11/02/05 1121	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB102405
Date Sampled.....: 10/24/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241284-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Acetone	6.4			1.4	5.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Methylene chloride	1.9			0.24	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102405
Date Sampled.....: 10/24/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241284-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102405
Date Sampled.....: 10/24/2005
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 241284-10
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164672		11/04/05 0543	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 08:46
Sample Matrix.....: Water

Laboratory Sample ID: 241284-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Bromomethane	1.0	U		0.59	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Acetone	5.0	U	*	1.4	5.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 08:46
Sample Matrix.....: Water

Laboratory Sample ID: 241284-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-GWDUP106-1005
Date Sampled.....: 10/24/2005
Time Sampled.....: 08:46
Sample Matrix.....: Water

Laboratory Sample ID: 241284-11
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164524		11/02/05 1143	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102305
Date Sampled.....: 10/23/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Acetone	7.1			1.4	5.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Methylene chloride	2.0			0.24	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB102305
Date Sampled.....: 10/23/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	m&p-Xylenes	2.2			0.36	2.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	o-Xylene	0.69	J		0.19	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB102305
Date Sampled.....: 10/23/2005
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-12
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164672		11/04/05 0607	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284 Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102405A
Date Sampled.....: 10/24/2005
Time Sampled.....: 18:01
Sample Matrix.....: Water

Laboratory Sample ID: 241284-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102405A
Date Sampled.....: 10/24/2005
Time Sampled.....: 18:01
Sample Matrix.....: Water

Laboratory Sample ID: 241284-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102405A
Date Sampled.....: 10/24/2005
Time Sampled.....: 18:01
Sample Matrix.....: Water

Laboratory Sample ID: 241284-13
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164672		11/04/05 0631	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102405B
Date Sampled.....: 10/24/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-14
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Dichlorodifluoromethane	1.0	U		0.12	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Chloromethane	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Vinyl chloride	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Bromomethane	1.0	U	*	0.59	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Chloroethane	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Trichlorofluoromethane	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1-Dichloroethene	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Carbon disulfide	5.0	U		0.15	5.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Acetone	5.0	U		1.4	5.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Methylene chloride	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	trans-1,2-Dichloroethene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Methyl-tert-butyl-ether (MTBE)	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1-Dichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	2,2-Dichloropropane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	cis-1,2-Dichloroethene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	2-Butanone (MEK)	5.0	U		1.0	5.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Bromochloromethane	1.0	U		0.27	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Chloroform	1.0	U		0.14	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1,1-Trichloroethane	1.0	U		0.17	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1-Dichloropropene	1.0	U		0.38	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Carbon tetrachloride	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Benzene	1.0	U		0.23	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,2-Dichloroethane	1.0	U		0.25	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Trichloroethene	1.0	U		0.13	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,2-Dichloropropane	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Dibromomethane	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Bromodichloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	cis-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date:11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: TB102405B
Date Sampled.....: 10/24/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-14
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	5.0	U		0.92	5.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Toluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	trans-1,3-Dichloropropene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1,2-Trichloroethane	1.0	U		0.24	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Tetrachloroethene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,3-Dichloropropane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	2-Hexanone	5.0	U		0.99	5.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Dibromochloromethane	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Chlorobenzene	1.0	U		0.15	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1,1,2-Tetrachloroethane	1.0	U		0.33	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Ethylbenzene	1.0	U		0.21	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	m&p-Xylenes	2.0	U		0.36	2.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	o-Xylene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Styrene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Bromoform	1.0	U		0.32	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Isopropylbenzene	1.0	U		0.20	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	Bromobenzene	1.0	U		0.22	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.34	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,2,3-Trichloropropane	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	n-Propylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	2-Chlorotoluene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,3,5-Trimethylbenzene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	4-Chlorotoluene	1.0	U		0.18	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	tert-Butylbenzene	1.0	U		0.16	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,2,4-Trimethylbenzene	1.0	U		0.26	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	sec-Butylbenzene	1.0	U		0.19	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	p-Isopropyltoluene	1.0	U		0.29	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	n-Butylbenzene	1.0	U		0.35	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 241284

Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: TB102405B
Date Sampled.....: 10/24/2005
Time Sampled.....: 18:00
Sample Matrix.....: Water

Laboratory Sample ID: 241284-14
Date Received.....: 10/25/2005
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2-Dibromo-3-chloropropane	1.0	U		0.41	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn
	1,2,3-Trichlorobenzene	1.0	U		0.43	1.0	1.00000	ug/L	164672		11/04/05 0655	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 241284 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241284-1 Client ID: MCA-S0012-4-6-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005	1547	
5035	5035 Archon Closed Purge & Trap	1	164658		11/03/2005	2136	
5035	5035 Preservation High (Methanol)	1	163659		10/22/2005	0915	
5035	5035 Preservation Low	1	163658		10/22/2005	0915	
5035	5035 Preservation Low	2	163658		10/22/2005	0915	
Supplies	Bottles and Supplies - Charges	1	164463				
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	164913	163658-164658	11/03/2005	2136	1.00000

Lab ID: 241284-2 Client ID: MCA-S0014-4-6-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005	1548	
5030A	5030 Purge & Trap of Methanol Extract	1	164674		11/04/2005	0431	
5030A	5030 Purge & Trap of Methanol Extract	2	164674		11/04/2005	0407	
5035	5035 Preservation High (Methanol)	1	163659		10/22/2005	1140	
5035	5035 Preservation Low	1	163658		10/22/2005	1140	
5035	5035 Preservation Low	2	163658		10/22/2005	1140	
Supplies	Bottles and Supplies - Charges	1	164463				
8260B	Volatile Organics	1	164677	163659-164674	11/04/2005	0407	1.0000
8260B	Volatile Organics	1	164677	163659-164674	11/04/2005	0431	10.000

Lab ID: 241284-3 Client ID: MCA-S0013-4-6-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005	1549	
5035	5035 Archon Closed Purge & Trap	1	164658		11/03/2005	2202	
5035	5035 Preservation High (Methanol)	1	163659		10/22/2005	1555	
5035	5035 Preservation Low	1	163658		10/22/2005	1550	
5035	5035 Preservation Low	2	163658		10/22/2005	1550	
Supplies	Bottles and Supplies - Charges	1	164463				
8260B	Volatile Organics	1	164913	163658-164658	11/03/2005	2202	1.00000

Lab ID: 241284-4 Client ID: MCA-GW026-16-1005 Date Recvd: 10/25/2005 Sample Date: 10/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 10 mL Purge Prep	1	164660		11/04/2005	0455	
8260B	Volatile Organics	1	164672	164660	11/04/2005	0455	1.00000

Lab ID: 241284-5 Client ID: MCA-S007-2-4-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005	1551	
5035	5035 Archon Closed Purge & Trap	1	164658		11/03/2005	2318	
5035	5035 Preservation High (Methanol)	1	163659		10/23/2005	0810	
5035	5035 Preservation Low	1	163658		10/23/2005	0810	
5035	5035 Preservation Low	2	163658		10/23/2005	0810	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005	1845	
Supplies	Bottles and Supplies - Charges	1	164463				
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005	1522	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005	1244	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005	1200	
8260B	Volatile Organics	1	164913	163658-164658	11/03/2005	2318	1.00000

Lab ID: 241284-6 Client ID: MCA-S004-2-4-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005	1552	
5035	5035 Archon Closed Purge & Trap	1	164658		11/03/2005	2343	
5035	5035 Preservation High (Methanol)	1	163659		10/23/2005	1000	

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LABORATORY CHRONICLE

Job Number: 241284 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241284-6 Client ID: MCA-S004-2-4-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5035	5035 Preservation Low	1	163658		10/23/2005 1000	
5035	5035 Preservation Low	2	163658		10/23/2005 1000	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164463			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1530	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1306	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
8260B	Volatile Organics	1	164913	163658-164658	11/03/2005 2343	1.00000

Lab ID: 241284-7 Client ID: MCA-GWDUP104-1005 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164660		11/04/2005 0519	
8260B	Volatile Organics	1	164672	164660	11/04/2005 0519	1.00000

Lab ID: 241284-8 Client ID: MCA-S001-2-4-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	163755	163755	10/26/2005 1553	
5035	5035 Archon Closed Purge & Trap	1	164658		11/04/2005 0009	
5035	5035 Preservation High (Methanol)	1	163659		10/26/2005 0500	
5035	5035 Preservation Low	1	163658		10/26/2005 0502	
5035	5035 Preservation Low	2	163658		10/26/2005 0500	
3050B	Acid Digestion: Solids (ICAP)	1	163775		10/26/2005 1845	
Supplies	Bottles and Supplies - Charges	1	164463			
7471A	Mercury (CVAA) Solids	1	163957	163953	10/27/2005 1536	
6010B	Metals Analysis (ICAP Trace)	1	164090	163775	10/28/2005 1311	
7.3.4.2/9034	Reactivity, Sulfide	1	164171	164171	10/31/2005 0854	
7470/7471	SW846 Digestion (Hg)	1	163953		10/27/2005 1200	
375.4	Sulfate, Turbidimetric	1	164239	164239	10/31/2005 1509	
8260B	Volatile Organics	1	164913	163658-164658	11/04/2005 0009	1.00000
9045C	pH (Soil)	1	164183	164183	10/31/2005 1251	

Lab ID: 241284-9 Client ID: MCA-GWDUP105-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164514		11/02/2005 1121	
8260B	Volatile Organics	1	164524	164514	11/02/2005 1121	1.00000

Lab ID: 241284-10 Client ID: EB102405 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164660		11/04/2005 0543	
8260B	Volatile Organics	1	164672	164660	11/04/2005 0543	1.00000

Lab ID: 241284-11 Client ID: MCA-GWDUP106-1005 Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164514		11/02/2005 1143	
8260B	Volatile Organics	1	164524	164514	11/02/2005 1143	1.00000

Lab ID: 241284-12 Client ID: EB102305 Date Recvd: 10/25/2005 Sample Date: 10/23/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164660		11/04/2005 0607	
5030B	5030 10 mL Purge Prep	2	164740		11/05/2005 0301	
8260B	Volatile Organics	1	164672	164660	11/04/2005 0607	1.00000

Lab ID: 241284-13 Client ID: TB102405A Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164660		11/04/2005 0631	

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L A B O R A T O R Y C H R O N I C L E

Job Number: 241284 Date: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 241284-13 Client ID: TB102405A Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
8260B	Volatile Organics	1	164672	164660	11/04/2005 0631	1.00000

Lab ID: 241284-14 Client ID: TB102405B Date Recvd: 10/25/2005 Sample Date: 10/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 10 mL Purge Prep	1	164660		11/04/2005 0655	
8260B	Volatile Organics	1	164672	164660	11/04/2005 0655	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 163658
Method Code...: 8260B Batch(s).....: 164913

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/03/2005	90	95	84	92
241284- 1		MCA-S0012-4-6-1005	11/03/2005	89	98	87	92
241284- 3		MCA-S0013-4-6-1005	11/03/2005	87	91	84	88
241284- 3	MS	MCA-S0013-4-6-1005	11/03/2005	87	98	85	89
241284- 3	MSD	MCA-S0013-4-6-1005	11/03/2005	82	94	85	89
241284- 5		MCA-S007-2-4-1005	11/03/2005	89	102	87	97
241284- 6		MCA-S004-2-4-1005	11/03/2005	91	99	89	95
241284- 8		MCA-S001-2-4-1005	11/04/2005	93	98	91	93

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics Test Matrix...: High/Med Level Prep Batch..: 163659
Method Code...: 8260B Batch(s).....: 164677

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
241284--21	EB2		11/04/2005	116	99	107	101
241284- 2		MCA-S0014-4-6-1005	11/04/2005	113	80	113	108
241284- 2	D1	MCA-S0014-4-6-1005	11/04/2005	108	95	108	101

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	43 - 139
BRFLBE	4-Bromofluorobenzene (surr)	57 - 124
DBRFLM	Dibromofluoromethane (surr)	64 - 132
TOLD8	Toluene-d8 (surr)	70 - 128

Method.....: Volatile Organics Test Matrix...: Solid Prep Batch..: 163784
Method Code...: 8260B Batch(s).....: 164913

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			11/04/2005	87	100	87	91
EB3			11/04/2005	85	100	85	93

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

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SURROGATE RECOVERIES REPORT

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: 483648 PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164333

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB3			11/03/2005	79	95	82	89

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164524
Prep Batch..: 164514

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/02/2005	108	100	113	107
LCS			11/02/2005	103	96	107	104
MB			11/02/2005	107	89	109	100
241284- 9		MCA-GWDUP105-1005	11/02/2005	102	93	100	100
241284- 11		MCA-GWDUP106-1005	11/02/2005	104	90	100	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 164913
Prep Batch..: 164658

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/03/2005	79	95	83	92
MB			11/03/2005	80	97	83	88

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	55 - 145
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120
DBRFLM	Dibromofluoromethane (surr)	63 - 146
TOLD8	Toluene-d8 (surr)	85 - 115

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 164672
Prep Batch..: 164660

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/04/2005	91	104	114	99
LCS			11/03/2005	93	103	111	100
MB			11/03/2005	100	100	110	100
241284- 4		MCA-GW026-16-1005	11/04/2005	102	101	110	99
241284- 7		MCA-GWDUP104-1005	11/04/2005	97	101	109	98

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SURROGATE RECOVERIES REPORT

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: 483648 PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Volatile Organics Test Matrix...: Water Prep Batch..: 164660
Method Code...: 8260B Batch(s).....: 164672

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
241284- 10		EB102405	11/04/2005	101	101	115	99
241284- 12		EB102305	11/04/2005	101	98	116*	97
241284- 13		TB102405A	11/04/2005	101	99	113	99
241284- 14		TB102405B	11/04/2005	100	98	113	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 120
BRFLBE	4-Bromofluorobenzene (surr)	75 - 120
DBRFLM	Dibromofluoromethane (surr)	85 - 115
TOLD8	Toluene-d8 (surr)	85 - 120

Method.....: Volatile Organics Test Matrix...: High/Med Level Prep Batch..: 164674
Method Code...: 8260B Batch(s).....: 164677

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/04/2005	93	104	111	99
LCS			11/03/2005	93	103	111	100
MB			11/03/2005	100	100	110	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	43 - 139
BRFLBE	4-Bromofluorobenzene (surr)	57 - 124
DBRFLM	Dibromofluoromethane (surr)	64 - 132
TOLD8	Toluene-d8 (surr)	70 - 128

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164514-024		11/02/2005	2112

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164524

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	12.162	11.343	25.000	1.000 U	49 7	% R	24-171 20	
Chloromethane	ug/L	21.582	21.266	25.000	1.000 U	86 1	% R	31-182 20	
Vinyl chloride	ug/L	22.342	21.027	25.000	1.000 U	89 6	% R	50-145 20	
Bromomethane	ug/L	27.092	23.143	25.000	1.000 U	108 16	% R	31-188 20	
Chloroethane	ug/L	25.722	24.927	25.000	1.000 U	103 3	% R	58-148 20	
Trichlorofluoromethane	ug/L	19.397	18.814	25.000	1.000 U	78 3	% R	54-142 20	
1,1-Dichloroethene	ug/L	22.175	21.800	25.000	1.000 U	89 2	% R	51-136 20	
Carbon disulfide	ug/L	20.080	19.666	25.000	5.000 U	80 2	% R	21-111 20	
Acetone	ug/L	28.859	35.667	25.000	5.000 U	115 21	% R	14-177 20	*
Methylene chloride	ug/L	24.762	23.887	25.000	1.000 U	99 4	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	24.318	24.228	25.000	1.000 U	97 0	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	26.820	24.881	25.000	1.000 U	107 8	% R	55-142 20	
1,1-Dichloroethane	ug/L	24.340	23.307	25.000	1.000 U	97 4	% R	70-124 20	
2,2-Dichloropropane	ug/L	24.976	25.156	25.000	1.000 U	100 1	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	24.936	24.698	25.000	1.000 U	100 1	% R	70-125 20	
2-Butanone (MEK)	ug/L	23.606	24.125	25.000	5.000 U	94 2	% R	29-139 20	
Bromochloromethane	ug/L	27.144	26.282	25.000	1.000 U	109 3	% R	57-116 20	
Chloroform	ug/L	26.591	25.201	25.000	1.000 U	106 5	% R	75-122 20	
1,1,1-Trichloroethane	ug/L	25.841	24.861	25.000	1.000 U	103 4	% R	70-127 20	
1,1-Dichloropropene	ug/L	22.739	21.748	25.000	1.000 U	91 4	% R	70-125 20	
Carbon tetrachloride	ug/L	23.647	22.788	25.000	1.000 U	95 4	% R	64-132 20	
Benzene	ug/L	22.997	22.685	25.000	1.000 U	92 1	% R	75-122 20	
1,2-Dichloroethane	ug/L	24.201	23.013	25.000	1.000 U	97 5	% R	67-120 20	
Trichloroethene	ug/L	23.788	22.997	25.000	1.000 U	95 3	% R	70-125 20	
1,2-Dichloropropane	ug/L	22.054	21.873	25.000	1.000 U	88 1	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164514-024		11/02/2005	2112

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane	ug/L	23.230	22.550	25.000	1.000 U	93 3	% R	68-116 20	
Bromodichloromethane	ug/L	26.970	26.072	25.000	1.000 U	108 3	% R	75-125 20	
cis-1,3-Dichloropropene	ug/L	24.345	24.194	26.000	1.000 U	94 1	% R	72-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	20.400	19.130	25.000	5.000 U	82 6	% R	39-137 20	
Toluene	ug/L	24.308	24.322	25.000	1.000 U	97 0	% R	77-120 20	
trans-1,3-Dichloropropene	ug/L	22.308	22.504	24.000	1.000 U	93 1	% R	68-119 20	
1,1,2-Trichloroethane	ug/L	25.196	24.797	25.000	1.000 U	101 2	% R	63-127 20	
Tetrachloroethene	ug/L	22.265	22.439	25.000	1.000 U	89 1	% R	45-150 20	
1,3-Dichloropropane	ug/L	23.324	22.421	25.000	1.000 U	93 4	% R	72-118 20	
2-Hexanone	ug/L	18.043	19.429	25.000	5.000 U	72 7	% R	36-144 20	
Dibromochloromethane	ug/L	25.831	25.290	25.000	1.000 U	103 2	% R	73-116 20	
1,2-Dibromoethane (EDB)	ug/L	23.904	22.322	25.000	1.000 U	96 7	% R	62-123 20	
Chlorobenzene	ug/L	22.631	22.674	25.000	1.000 U	91 0	% R	76-116 20	
1,1,1,2-Tetrachloroethane	ug/L	26.311	25.302	25.000	1.000 U	105 4	% R	77-120 20	
Ethylbenzene	ug/L	23.104	22.969	25.000	1.000 U	92 1	% R	75-125 20	
m&p-Xylenes	ug/L	48.017	47.890	50.000	2.000 U	96 0	% R	75-123 20	
o-Xylene	ug/L	24.845	24.185	25.000	1.000 U	99 3	% R	76-121 20	
Styrene	ug/L	22.058	21.824	25.000	1.000 U	88 1	% R	77-128 20	
Bromoform	ug/L	25.402	25.043	25.000	1.000 U	102 1	% R	65-115 20	
Isopropylbenzene	ug/L	20.352	20.416	25.000	1.000 U	81 0	% R	64-119 20	
Bromobenzene	ug/L	23.971	24.197	25.000	1.000 U	96 1	% R	76-118 20	
1,1,2,2-Tetrachloroethane	ug/L	22.055	22.713	25.000	1.000 U	88 3	% R	61-122 20	
1,2,3-Trichloropropane	ug/L	24.463	23.656	25.000	1.000 U	98 3	% R	62-124 20	
n-Propylbenzene	ug/L	19.878	20.129	25.000	1.000 U	80 1	% R	69-132 20	
2-Chlorotoluene	ug/L	24.234	24.341	25.000	1.000 U	97 0	% R	70-127 20	
1,3,5-Trimethylbenzene	ug/L	22.658	23.408	25.000	1.000 U	91 3	% R	70-132 20	
4-Chlorotoluene	ug/L	23.558	23.858	25.000	1.000 U	94 1	% R	70-126 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K02DSA	164514-024		11/02/2005	2112

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	21.244	20.938	25.000	1.000 U	85	%	70-133	
						1	R	20	
1,2,4-Trimethylbenzene	ug/L	23.092	23.536	25.000	1.000 U	92	%	71-131	
						2	R	20	
sec-Butylbenzene	ug/L	19.279	19.130	25.000	1.000 U	77	%	70-134	
						1	R	20	
p-Isopropyltoluene	ug/L	19.736	20.499	25.000	1.000 U	79	%	66-130	
						4	R	20	
n-Butylbenzene	ug/L	19.164	20.611	25.000	1.000 U	77	%	64-142	
						7	R	20	
1,2-Dibromo-3-chloropropane	ug/L	19.645	18.656	25.000	1.000 U	79	%	57-119	
						5	R	20	
1,2,3-Trichlorobenzene	ug/L	23.732	23.900	25.000	1.000 U	95	%	66-124	
						1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K02DSA	164514-Q23		11/02/2005	1058

Test Method.....: 8260B — Equipment Code....: GCL6 — Analyst...: jdn
Method Description.: Volatile Organics — Batch.....: 164524

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	11.343		25.000	1.000 U	45	%	24-171	
Chloromethane	ug/L	21.266		25.000	1.000 U	85	%	31-182	
Vinyl chloride	ug/L	21.027		25.000	1.000 U	84	%	50-145	
Bromomethane	ug/L	23.143		25.000	1.000 U	93	%	31-188	
Chloroethane	ug/L	24.927		25.000	1.000 U	100	%	58-148	
Trichlorofluoromethane	ug/L	18.814		25.000	1.000 U	75	%	54-142	
1,1-Dichloroethene	ug/L	21.800		25.000	1.000 U	87	%	51-136	
Carbon disulfide	ug/L	19.666		25.000	5.000 U	79	%	21-111	
Acetone	ug/L	35.667		25.000	5.000 U	143	%	14-177	
Methylene chloride	ug/L	23.887		25.000	1.000 U	96	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.228		25.000	1.000 U	97	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	24.881		25.000	1.000 U	100	%	55-142	
1,1-Dichloroethane	ug/L	23.307		25.000	1.000 U	93	%	70-124	
2,2-Dichloropropane	ug/L	25.156		25.000	1.000 U	101	%	68-127	
cis-1,2-Dichloroethene	ug/L	24.698		25.000	1.000 U	99	%	70-125	
2-Butanone (MEK)	ug/L	24.125		25.000	5.000 U	96	%	29-139	
Bromochloromethane	ug/L	26.282		25.000	1.000 U	105	%	57-116	
Chloroform	ug/L	25.201		25.000	1.000 U	101	%	75-122	
1,1,1-Trichloroethane	ug/L	24.861		25.000	1.000 U	99	%	70-127	
1,1-Dichloropropene	ug/L	21.748		25.000	1.000 U	87	%	70-125	
Carbon tetrachloride	ug/L	22.788		25.000	1.000 U	91	%	64-132	
Benzene	ug/L	22.685		25.000	1.000 U	91	%	75-122	
1,2-Dichloroethane	ug/L	23.013		25.000	1.000 U	92	%	67-120	
Trichloroethene	ug/L	22.997		25.000	1.000 U	92	%	70-125	
1,2-Dichloropropane	ug/L	21.873		25.000	1.000 U	87	%	76-116	
Dibromomethane	ug/L	22.550		25.000	1.000 U	90	%	68-116	
Bromodichloromethane	ug/L	26.072		25.000	1.000 U	104	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.194		26.000	1.000 U	93	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	19.130		25.000	5.000 U	77	%	39-137	
Toluene	ug/L	24.322		25.000	1.000 U	97	%	77-120	
trans-1,3-Dichloropropene	ug/L	22.504		24.000	1.000 U	94	%	68-119	
1,1,2-Trichloroethane	ug/L	24.797		25.000	1.000 U	99	%	63-127	
Tetrachloroethene	ug/L	22.439		25.000	1.000 U	90	%	45-150	
1,3-Dichloropropane	ug/L	22.421		25.000	1.000 U	90	%	72-118	
2-Hexanone	ug/L	19.429		25.000	5.000 U	78	%	36-144	
Dibromochloromethane	ug/L	25.290		25.000	1.000 U	101	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	22.322		25.000	1.000 U	89	%	62-123	
Chlorobenzene	ug/L	22.674		25.000	1.000 U	91	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	25.302		25.000	1.000 U	101	%	77-120	
Ethylbenzene	ug/L	22.969		25.000	1.000 U	92	%	75-125	
m&p-Xylenes	ug/L	47.890		50.000	2.000 U	96	%	75-123	
o-Xylene	ug/L	24.185		25.000	1.000 U	97	%	76-121	
Styrene	ug/L	21.824		25.000	1.000 U	87	%	77-128	
Bromoform	ug/L	25.043		25.000	1.000 U	100	%	65-115	
Isopropylbenzene	ug/L	20.416		25.000	1.000 U	82	%	64-119	
Bromobenzene	ug/L	24.197		25.000	1.000 U	97	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.713		25.000	1.000 U	91	%	61-122	
1,2,3-Trichloropropane	ug/L	23.656		25.000	1.000 U	95	%	62-124	
n-Propylbenzene	ug/L	20.129		25.000	1.000 U	81	%	69-132	
2-Chlorotoluene	ug/L	24.341		25.000	1.000 U	97	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VO5KQ2DSA	164514-023		11/02/2005	1058

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.408		25.000	1.000 U	94	%	70-132	
4-Chlorotoluene	ug/L	23.858		25.000	1.000 U	95	%	70-126	
tert-Butylbenzene	ug/L	20.938		25.000	1.000 U	84	%	70-133	
1,2,4-Trimethylbenzene	ug/L	23.536		25.000	1.000 U	94	%	71-131	
sec-Butylbenzene	ug/L	19.130		25.000	1.000 U	77	%	70-134	
p-Isopropyltoluene	ug/L	20.499		25.000	1.000 U	82	%	66-130	
n-Butylbenzene	ug/L	20.611		25.000	1.000 U	82	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	18.656		25.000	1.000 U	75	%	57-119	
1,2,3-Trichlorobenzene	ug/L	23.900		25.000	1.000 U	96	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164514-022		11/02/2005	1035

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164524

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164514-022		11/02/2005	1035

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05KD3DSA	164660-023		11/04/2005	0719

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164672

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	25.159	23.147	25.000	1.000 U	101 8	% R	24-171 20	
Chloromethane	ug/L	22.732	21.039	25.000	1.000 U	91 8	% R	31-182 20	
Vinyl chloride	ug/L	24.586	23.184	25.000	1.000 U	98 6	% R	50-145 20	
Bromomethane	ug/L	23.209	33.806	25.000	1.000 U	93 37	% R	31-188 20	*
Chloroethane	ug/L	23.994	23.714	25.000	1.000 U	96 1	% R	58-148 20	
Trichlorofluoromethane	ug/L	26.325	23.884	25.000	1.000 U	105 10	% R	54-142 20	
1,1-Dichloroethene	ug/L	25.908	25.307	25.000	1.000 U	104 2	% R	51-136 20	
Carbon disulfide	ug/L	22.058	23.243	25.000	5.000 U	88 5	% R	21-111 20	
Acetone	ug/L	22.841	23.664	25.000	5.000 U	91 4	% R	14-177 20	
Methylene chloride	ug/L	28.062	25.464	25.000	1.000 U	112 10	% R	64-127 20	
trans-1,2-Dichloroethene	ug/L	27.115	24.605	25.000	1.000 U	108 10	% R	62-138 20	
Methyl-tert-butyl-ether (MTBE)	ug/L	32.846	27.856	25.000	1.000 U	131 16	% R	55-142 20	
1,1-Dichloroethane	ug/L	28.024	25.362	25.000	1.000 U	112 10	% R	70-124 20	
2,2-Dichloropropane	ug/L	30.066	28.301	25.000	1.000 U	120 6	% R	68-127 20	
cis-1,2-Dichloroethene	ug/L	29.570	25.251	25.000	1.000 U	118 16	% R	70-125 20	
2-Butanone (MEK)	ug/L	24.677	23.265	25.000	5.000 U	99 6	% R	29-139 20	
Bromochloromethane	ug/L	24.448	21.279	25.000	1.000 U	98 14	% R	57-116 20	
Chloroform	ug/L	28.659	26.005	25.000	1.000 U	115 10	% R	75-122 20	
1,1,1-Trichloroethane	ug/L	28.435	26.372	25.000	1.000 U	114 8	% R	70-127 20	
1,1-Dichloropropene	ug/L	25.183	23.096	25.000	1.000 U	101 9	% R	70-125 20	
Carbon tetrachloride	ug/L	28.421	27.830	25.000	1.000 U	114 2	% R	64-132 20	
Benzene	ug/L	24.734	23.439	25.000	1.000 U	99 5	% R	75-122 20	
1,2-Dichloroethane	ug/L	26.499	26.439	25.000	1.000 U	106 0	% R	67-120 20	
Trichloroethene	ug/L	24.626	23.420	25.000	1.000 U	99 5	% R	70-125 20	
1,2-Dichloropropane	ug/L	25.826	24.494	25.000	1.000 U	103 5	% R	76-116 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05K03DSA	164660-023		11/04/2005 0719

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane	ug/L	19.863	18.167	25.000	1.000	U	79	%	68-116	
							9	R	20	
Bromodichloromethane	ug/L	28.963	26.902	25.000	1.000	U	116	%	75-125	
							7	R	20	
cis-1,3-Dichloropropene	ug/L	26.112	24.461	26.000	1.000	U	100	%	72-115	
							7	R	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.796	23.859	25.000	5.000	U	103	%	39-137	
							8	R	20	
Toluene	ug/L	25.464	23.920	25.000	1.000	U	102	%	77-120	
							6	R	20	
trans-1,3-Dichloropropene	ug/L	24.687	23.396	24.000	1.000	U	103	%	68-119	
							5	R	20	
1,1,2-Trichloroethane	ug/L	28.752	25.882	25.000	1.000	U	115	%	63-127	
							11	R	20	
Tetrachloroethene	ug/L	24.440	23.325	25.000	1.000	U	98	%	45-150	
							5	R	20	
1,3-Dichloropropane	ug/L	26.745	24.631	25.000	1.000	U	107	%	72-118	
							8	R	20	
2-Hexanone	ug/L	24.173	22.367	25.000	5.000	U	97	%	36-144	
							8	R	20	
Dibromochloromethane	ug/L	28.188	25.893	25.000	1.000	U	113	%	73-116	
							8	R	20	
1,2-Dibromoethane (EDB)	ug/L	26.712	24.235	25.000	1.000	U	107	%	62-123	
							10	R	20	
Chlorobenzene	ug/L	24.015	22.586	25.000	1.000	U	96	%	76-116	
							6	R	20	
1,1,1,2-Tetrachloroethane	ug/L	27.271	26.062	25.000	1.000	U	109	%	77-120	
							5	R	20	
Ethylbenzene	ug/L	25.576	24.074	25.000	1.000	U	102	%	75-125	
							6	R	20	
m&p-Xylenes	ug/L	49.744	47.201	50.000	2.000	U	99	%	75-123	
							5	R	20	
o-Xylene	ug/L	26.043	24.371	25.000	1.000	U	104	%	76-121	
							7	R	20	
Styrene	ug/L	25.814	24.550	25.000	1.000	U	103	%	77-128	
							5	R	20	
Bromoform	ug/L	27.213	24.972	25.000	1.000	U	109	%	65-115	
							9	R	20	
Isopropylbenzene	ug/L	22.618	20.577	25.000	1.000	U	90	%	64-119	
							9	R	20	
Bromobenzene	ug/L	25.338	23.518	25.000	1.000	U	101	%	76-118	
							7	R	20	
1,1,2,2-Tetrachloroethane	ug/L	25.105	22.431	25.000	1.000	U	100	%	61-122	
							11	R	20	
1,2,3-Trichloropropane	ug/L	28.966	26.378	25.000	1.000	U	116	%	62-124	
							9	R	20	
n-Propylbenzene	ug/L	24.027	22.041	25.000	1.000	U	96	%	69-132	
							9	R	20	
2-Chlorotoluene	ug/L	24.896	22.892	25.000	1.000	U	100	%	70-127	
							8	R	20	
1,3,5-Trimethylbenzene	ug/L	25.279	23.071	25.000	1.000	U	101	%	70-132	
							9	R	20	
4-Chlorotoluene	ug/L	23.526	21.724	25.000	1.000	U	94	%	70-126	
							8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSA	164660-023		11/04/2005	0719

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene	ug/L	25.288	22.519	25.000	1.000	U	101	%	70-133	
							12	R	20	
1,2,4-Trimethylbenzene	ug/L	25.117	22.559	25.000	1.000	U	100	%	71-131	
							11	R	20	
sec-Butylbenzene	ug/L	24.179	21.786	25.000	1.000	U	97	%	70-134	
							10	R	20	
p-Isopropyltoluene	ug/L	23.637	21.240	25.000	1.000	U	95	%	66-130	
							11	R	20	
n-Butylbenzene	ug/L	23.058	21.196	25.000	1.000	U	92	%	64-142	
							8	R	20	
1,2-Dibromo-3-chloropropane	ug/L	25.262	24.097	25.000	1.000	U	101	%	57-119	
							5	R	20	
1,2,3-Trichlorobenzene	ug/L	24.690	21.221	25.000	1.000	U	99	%	66-124	
							15	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSA	164660-022		11/03/2005	2141

Test Method.....: 8260B — Equipment Code....: GCL2 — Analyst...: jdh
Method Description.: Volatile Organics — Batch.....: 164672

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	23.147		25.000	1.000 U	93	%	24-171	
Chloromethane	ug/L	21.039		25.000	1.000 U	84	%	31-182	
Vinyl chloride	ug/L	23.184		25.000	1.000 U	93	%	50-145	
Bromomethane	ug/L	33.806		25.000	1.000 U	135	%	31-188	
Chloroethane	ug/L	23.714		25.000	1.000 U	95	%	58-148	
Trichlorofluoromethane	ug/L	23.884		25.000	1.000 U	96	%	54-142	
1,1-Dichloroethene	ug/L	25.307		25.000	1.000 U	101	%	51-136	
Carbon disulfide	ug/L	23.243		25.000	5.000 U	93	%	21-111	
Acetone	ug/L	23.664		25.000	5.000 U	95	%	14-177	
Methylene chloride	ug/L	25.464		25.000	1.000 U	102	%	64-127	
trans-1,2-Dichloroethene	ug/L	24.605		25.000	1.000 U	98	%	62-138	
Methyl-tert-butyl-ether (MTBE)	ug/L	27.856		25.000	1.000 U	111	%	55-142	
1,1-Dichloroethane	ug/L	25.362		25.000	1.000 U	101	%	70-124	
2,2-Dichloropropane	ug/L	28.301		25.000	1.000 U	113	%	68-127	
cis-1,2-Dichloroethene	ug/L	25.251		25.000	1.000 U	101	%	70-125	
2-Butanone (MEK)	ug/L	23.265		25.000	5.000 U	93	%	29-139	
Bromochloromethane	ug/L	21.279		25.000	1.000 U	85	%	57-116	
Chloroform	ug/L	26.005		25.000	1.000 U	104	%	75-122	
1,1,1-Trichloroethane	ug/L	26.372		25.000	1.000 U	105	%	70-127	
1,1-Dichloropropene	ug/L	23.096		25.000	1.000 U	92	%	70-125	
Carbon tetrachloride	ug/L	27.830		25.000	1.000 U	111	%	64-132	
Benzene	ug/L	23.439		25.000	1.000 U	94	%	75-122	
1,2-Dichloroethane	ug/L	26.439		25.000	1.000 U	106	%	67-120	
Trichloroethene	ug/L	23.420		25.000	1.000 U	94	%	70-125	
1,2-Dichloropropane	ug/L	24.494		25.000	1.000 U	98	%	76-116	
Dibromomethane	ug/L	18.167		25.000	1.000 U	73	%	68-116	
Bromodichloromethane	ug/L	26.902		25.000	1.000 U	108	%	75-125	
cis-1,3-Dichloropropene	ug/L	24.461		26.000	1.000 U	94	%	72-115	
4-Methyl-2-pentanone (MIBK)	ug/L	23.859		25.000	5.000 U	95	%	39-137	
Toluene	ug/L	23.920		25.000	1.000 U	96	%	77-120	
trans-1,3-Dichloropropene	ug/L	23.396		24.000	1.000 U	97	%	68-119	
1,1,2-Trichloroethane	ug/L	25.882		25.000	1.000 U	104	%	63-127	
Tetrachloroethene	ug/L	23.325		25.000	1.000 U	93	%	45-150	
1,3-Dichloropropane	ug/L	24.631		25.000	1.000 U	99	%	72-118	
2-Hexanone	ug/L	22.367		25.000	5.000 U	89	%	36-144	
Dibromochloromethane	ug/L	25.893		25.000	1.000 U	104	%	73-116	
1,2-Dibromoethane (EDB)	ug/L	24.235		25.000	1.000 U	97	%	62-123	
Chlorobenzene	ug/L	22.586		25.000	1.000 U	90	%	76-116	
1,1,1,2-Tetrachloroethane	ug/L	26.062		25.000	1.000 U	104	%	77-120	
Ethylbenzene	ug/L	24.074		25.000	1.000 U	96	%	75-125	
m&p-Xylenes	ug/L	47.201		50.000	2.000 U	94	%	75-123	
o-Xylene	ug/L	24.371		25.000	1.000 U	97	%	76-121	
Styrene	ug/L	24.550		25.000	1.000 U	98	%	77-128	
Bromoform	ug/L	24.972		25.000	1.000 U	100	%	65-115	
Isopropylbenzene	ug/L	20.577		25.000	1.000 U	82	%	64-119	
Bromobenzene	ug/L	23.518		25.000	1.000 U	94	%	76-118	
1,1,2,2-Tetrachloroethane	ug/L	22.431		25.000	1.000 U	90	%	61-122	
1,2,3-Trichloropropane	ug/L	26.378		25.000	1.000 U	106	%	62-124	
n-Propylbenzene	ug/L	22.041		25.000	1.000 U	88	%	69-132	
2-Chlorotoluene	ug/L	22.892		25.000	1.000 U	92	%	70-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03BSA	164660-022		11/03/2005	2141

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	23.071		25.000	1.000 U	92	%	70-132	
4-Chlorotoluene	ug/L	21.724		25.000	1.000 U	87	%	70-126	
tert-Butylbenzene	ug/L	22.519		25.000	1.000 U	90	%	70-133	
1,2,4-Trimethylbenzene	ug/L	22.559		25.000	1.000 U	90	%	71-131	
sec-Butylbenzene	ug/L	21.786		25.000	1.000 U	87	%	70-134	
p-Isopropyltoluene	ug/L	21.240		25.000	1.000 U	85	%	66-130	
n-Butylbenzene	ug/L	21.196		25.000	1.000 U	85	%	64-142	
1,2-Dibromo-3-chloropropane	ug/L	24.097		25.000	1.000 U	96	%	57-119	
1,2,3-Trichlorobenzene	ug/L	21.221		25.000	1.000 U	85	%	66-124	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164660-021		11/03/2005	2116

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164672

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane	ug/L	1.000	U							
Chloromethane	ug/L	1.000	U							
Vinyl chloride	ug/L	1.000	U							
Bromomethane	ug/L	1.000	U							
Chloroethane	ug/L	1.000	U							
Trichlorofluoromethane	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Carbon disulfide	ug/L	5.000	U							
Acetone	ug/L	5.000	U							
Methylene chloride	ug/L	1.000	U							
trans-1,2-Dichloroethene	ug/L	1.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
2,2-Dichloropropane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
2-Butanone (MEK)	ug/L	5.000	U							
Bromochloromethane	ug/L	1.000	U							
Chloroform	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
1,1-Dichloropropene	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene	ug/L	1.000	U							
1,2-Dichloropropane	ug/L	1.000	U							
Dibromomethane	ug/L	1.000	U							
Bromodichloromethane	ug/L	1.000	U							
cis-1,3-Dichloropropene	ug/L	1.000	U							
4-Methyl-2-pentanone (MIBK)	ug/L	5.000	U							
Toluene	ug/L	1.000	U							
trans-1,3-Dichloropropene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
1,3-Dichloropropane	ug/L	1.000	U							
2-Hexanone	ug/L	5.000	U							
Dibromochloromethane	ug/L	1.000	U							
1,2-Dibromoethane (EDB)	ug/L	1.000	U							
Chlorobenzene	ug/L	1.000	U							
1,1,1,2-Tetrachloroethane	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	2.000	U							
o-Xylene	ug/L	1.000	U							
Styrene	ug/L	1.000	U							
Bromoform	ug/L	1.000	U							
Isopropylbenzene	ug/L	1.000	U							
Bromobenzene	ug/L	1.000	U							
1,1,2,2-Tetrachloroethane	ug/L	1.000	U							
1,2,3-Trichloropropane	ug/L	1.000	U							
n-Propylbenzene	ug/L	1.000	U							
2-Chlorotoluene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164660-021		11/03/2005	2116

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene	ug/L	1.000	U							
4-Chlorotoluene	ug/L	1.000	U							
tert-Butylbenzene	ug/L	1.000	U							
1,2,4-Trimethylbenzene	ug/L	1.000	U							
sec-Butylbenzene	ug/L	1.000	U							
p-Isopropyltoluene	ug/L	1.000	U							
n-Butylbenzene	ug/L	1.000	U							
1,2-Dibromo-3-chloropropane	ug/L	1.000	U							
1,2,3-Trichlorobenzene	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB2	Extraction Blank 2	1284	163659-009		11/04/2005	0343

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164677

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, High/Med Leve	ug/Kg	100.000	U							
Chloromethane, High/Med Level	ug/Kg	100.000	U							
Vinyl chloride, High/Med Level	ug/Kg	25.000	U							
Bromomethane, High/Med Level	ug/Kg	100.000	U							
Chloroethane, High/Med Level	ug/Kg	100.000	U							
Trichlorofluoromethane, High/Med Level	ug/Kg	100.000	U							
1,1-Dichloroethene, High/Med Level	ug/Kg	50.000	U							
Carbon disulfide, High/Med Level	ug/Kg	100.000	U							
Acetone, High/Med Level	ug/Kg	200.000	U							
Methylene chloride, High/Med Level	ug/Kg	100.000	U							
trans-1,2-Dichloroethene, High/Med Lev	ug/Kg	50.000	U							
Methyl-tert-butyl-ether (MTBE), High/M	ug/Kg	100.000	U							
1,1-Dichloroethane, High/Med Level	ug/Kg	50.000	U							
2,2-Dichloropropane, High/Med Level	ug/Kg	50.000	U							
cis-1,2-Dichloroethene, High/Med Level	ug/Kg	50.000	U							
2-Butanone (MEK), High/Med Level	ug/Kg	100.000	U							
Bromochloromethane, High/Med Level	ug/Kg	100.000	U							
Chloroform, High/Med Level	ug/Kg	50.000	U							
1,1,1-Trichloroethane, High/Med Level	ug/Kg	50.000	U							
1,1-Dichloropropene, High/Med Level	ug/Kg	50.000	U							
Carbon tetrachloride, High/Med Level	ug/Kg	50.000	U							
Benzene, High/Med Level	ug/Kg	25.000	U							
1,2-Dichloroethane, High/Med Level	ug/Kg	50.000	U							
Trichloroethene, High/Med Level	ug/Kg	25.000	U							
1,2-Dichloropropane, High/Med Level	ug/Kg	50.000	U							
Dibromomethane, High/Med Level	ug/Kg	100.000	U							
Bromodichloromethane, High/Med Level	ug/Kg	100.000	U							
cis-1,3-Dichloropropene, High/Med Leve	ug/Kg	50.000	U							
4-Methyl-2-pentanone (MIBK), High/Med	ug/Kg	100.000	U							
Toluene, High/Med Level	ug/Kg	25.000	U							
trans-1,3-Dichloropropene, High/Med Le	ug/Kg	50.000	U							
1,1,2-Trichloroethane, High/Med Level	ug/Kg	50.000	U							
Tetrachloroethene, High/Med Level	ug/Kg	50.000	U							
1,3-Dichloropropane, High/Med Level	ug/Kg	50.000	U							
2-Hexanone, High/Med Level	ug/Kg	100.000	U							
Dibromochloromethane, High/Med Level	ug/Kg	100.000	U							
1,2-Dibromoethane (EDB), High/Med Leve	ug/Kg	100.000	U							
Chlorobenzene, High/Med Level	ug/Kg	50.000	U							
1,1,1,2-Tetrachloroethane, High/Med Le	ug/Kg	100.000	U							
Ethylbenzene, High/Med Level	ug/Kg	25.000	U							
m&p-Xylenes, High/Med Level	ug/Kg	50.000	U							
o-Xylene, High/Med Level	ug/Kg	25.000	U							
Styrene, High/Med Level	ug/Kg	50.000	U							
Bromoform, High/Med Level	ug/Kg	100.000	U							
Isopropylbenzene, High/Med Level	ug/Kg	100.000	U							
Bromobenzene, High/Med Level	ug/Kg	100.000	U							
1,1,2,2-Tetrachloroethane, High/Med Le	ug/Kg	50.000	U							
1,2,3-Trichloropropane, High/Med Level	ug/Kg	100.000	U							
n-Propylbenzene, High/Med Level	ug/Kg	100.000	U							
2-Chlorotoluene, High/Med Level	ug/Kg	50.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB2	Extraction Blank 2	1284	163659-009		11/04/2005	0343

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, High/Med Level	ug/Kg	100.000	U						
4-Chlorotoluene, High/Med Level	ug/Kg	50.000	U						
tert-Butylbenzene, High/Med Level	ug/Kg	50.000	U						
1,2,4-Trimethylbenzene, High/Med Level	ug/Kg	100.000	U						
sec-Butylbenzene, High/Med Level	ug/Kg	50.000	U						
p-Isopropyltoluene, High/Med Level	ug/Kg	100.000	U						
n-Butylbenzene, High/Med Level	ug/Kg	50.000	U						
1,2-Dichlorobenzene, High/Med Level	ug/Kg	100.000	U						
1,2-Dibromo-3-chloropropane, High/Med	ug/Kg	100.000	U						
1,2,3-Trichlorobenzene, High/Med Level	ug/Kg	100.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSB	164674-005		11/04/2005	0719

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL2
Batch.....: 164677

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits		F
Dichlorodifluoromethane, High/Med Leve	ug/Kg	2513.515	2314.665	2500.000	100.000	U	101 8	% R	29-135 30		
Chloromethane, High/Med Level	ug/Kg	2263.965	2103.920	2500.000	100.000	U	91 7	% R	55-129 30		
Vinyl chloride, High/Med Level	ug/Kg	2408.835	2310.000	2500.000	25.000	U	96 4	% R	61-135 30		
Bromomethane, High/Med Level	ug/Kg	2220.495	3380.585	2500.000	100.000	U	89 41	% R	36-164 30		*
Chloroethane, High/Med Level	ug/Kg	2365.490	2371.380	2500.000	100.000	U	95 0	% R	33-207 30		
Trichlorofluoromethane, High/Med Level	ug/Kg	2538.240	2388.410	2500.000	100.000	U	102 6	% R	59-145 30		
1,1-Dichloroethene, High/Med Level	ug/Kg	2621.725	2495.740	2500.000	50.000	U	105 5	% R	44-143 30		
Carbon disulfide, High/Med Level	ug/Kg	2121.375	2324.345	2500.000	100.000	U	85 9	% R	21-124 30		
Acetone, High/Med Level	ug/Kg	2122.885	2338.430	2500.000	200.000	U	85 10	% R	34-143 30		
Methylene chloride, High/Med Level	ug/Kg	2720.615	2546.420	2500.000	100.000	U	109 7	% R	57-129 30		
trans-1,2-Dichloroethene, High/Med Lev	ug/Kg	2529.245	2449.415	2500.000	50.000	U	101 3	% R	66-138 30		
Methyl-tert-butyl-ether (MTBE), High/M	ug/Kg	3322.050	2785.590	2500.000	100.000	U	133 18	% R	47-126 30		*
1,1-Dichloroethane, High/Med Level	ug/Kg	2674.170	2531.085	2500.000	50.000	U	107 5	% R	68-119 30		
2,2-Dichloropropane, High/Med Level	ug/Kg	3024.750	2879.935	2500.000	50.000	U	121 5	% R	41-131 30		
cis-1,2-Dichloroethene, High/Med Level	ug/Kg	2912.395	2485.020	2500.000	50.000	U	116 16	% R	64-144 30		
2-Butanone (MEK), High/Med Level	ug/Kg	2459.165	2295.340	2500.000	100.000	U	98 7	% R	40-125 30		
Bromochloromethane, High/Med Level	ug/Kg	2336.205	2127.875	2500.000	100.000	U	93 9	% R	60-124 30		
Chloroform, High/Med Level	ug/Kg	2913.530	2639.240	2500.000	50.000	U	117 10	% R	61-129 30		
1,1,1-Trichloroethane, High/Med Level	ug/Kg	2910.305	2697.110	2500.000	50.000	U	116 8	% R	69-133 30		
1,1-Dichloropropene, High/Med Level	ug/Kg	2565.505	2324.560	2500.000	50.000	U	103 10	% R	65-134 30		
Carbon tetrachloride, High/Med Level	ug/Kg	2819.660	2799.025	2500.000	50.000	U	113 1	% R	59-127 30		
Benzene, High/Med Level	ug/Kg	2371.760	2252.260	2500.000	25.000	U	95 5	% R	67-122 30		
1,2-Dichloroethane, High/Med Level	ug/Kg	2568.830	2554.450	2500.000	50.000	U	103 1	% R	64-115 30		
Trichloroethene, High/Med Level	ug/Kg	2531.500	2417.905	2500.000	25.000	U	101 5	% R	70-123 30		
1,2-Dichloropropane, High/Med Level	ug/Kg	2574.980	2449.420	2500.000	50.000	U	103 5	% R	70-122 30		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	V05K03DSB	164674-005		11/04/2005	0719

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dibromomethane, High/Med Level	ug/Kg	1956.185	1816.710	2500.000	100.000 U	78 7	% R	67-121 30	
Bromodichloromethane, High/Med Level	ug/Kg	2810.715	2690.175	2500.000	100.000 U	112 4	% R	66-128 30	
cis-1,3-Dichloropropene, High/Med Leve	ug/Kg	2608.610	2446.495	2600.000	50.000 U	100 6	% R	68-123 30	
4-Methyl-2-pentanone (MIBK), High/Med	ug/Kg	2598.070	2428.690	2500.000	100.000 U	104 7	% R	54-119 30	
Toluene, High/Med Level	ug/Kg	2428.015	2289.860	2500.000	25.000 U	97 6	% R	72-123 30	
trans-1,3-Dichloropropene, High/Med Le	ug/Kg	2450.000	2339.945	2400.000	50.000 U	102 5	% R	60-115 30	
1,1,2-Trichloroethane, High/Med Level	ug/Kg	2898.405	2597.790	2500.000	50.000 U	116 11	% R	67-133 30	
Tetrachloroethene, High/Med Level	ug/Kg	2445.655	2332.475	2500.000	50.000 U	98 5	% R	75-125 30	
1,3-Dichloropropane, High/Med Level	ug/Kg	2672.155	2463.080	2500.000	50.000 U	107 8	% R	71-118 30	
2-Hexanone, High/Med Level	ug/Kg	2453.155	2312.805	2500.000	100.000 U	98 6	% R	50-116 30	
Dibromochloromethane, High/Med Level	ug/Kg	2802.995	2589.295	2500.000	100.000 U	112 8	% R	70-119 30	
1,2-Dibromoethane (EDB), High/Med Leve	ug/Kg	2629.355	2424.035	2500.000	100.000 U	105 8	% R	69-122 30	
Chlorobenzene, High/Med Level	ug/Kg	2409.910	2262.945	2500.000	50.000 U	96 6	% R	80-125 30	
1,1,1,2-Tetrachloroethane, High/Med Le	ug/Kg	2729.080	2606.215	2500.000	100.000 U	109 5	% R	74-120 30	
Ethylbenzene, High/Med Level	ug/Kg	2582.800	2434.575	2500.000	25.000 U	103 6	% R	78-128 30	
m&p-Xylenes, High/Med Level	ug/Kg	4967.030	4719.385	5000.000	50.000 U	99 5	% R	76-133 30	
o-Xylene, High/Med Level	ug/Kg	2546.250	2376.315	2500.000	25.000 U	102 7	% R	74-127 30	
Styrene, High/Med Level	ug/Kg	2616.420	2458.055	2500.000	50.000 U	105 6	% R	80-129 30	
Bromoform, High/Med Level	ug/Kg	2721.725	2497.200	2500.000	100.000 U	109 9	% R	70-123 30	
Isopropylbenzene, High/Med Level	ug/Kg	2265.335	2057.685	2500.000	100.000 U	91 10	% R	67-133 30	
Bromobenzene, High/Med Level	ug/Kg	2536.165	2351.780	2500.000	100.000 U	101 8	% R	74-133 30	
1,1,2,2-Tetrachloroethane, High/Med Le	ug/Kg	2509.555	2243.560	2500.000	50.000 U	100 11	% R	70-126 30	
1,2,3-Trichloropropane, High/Med Level	ug/Kg	2889.845	2637.825	2500.000	100.000 U	116 9	% R	64-118 30	
n-Propylbenzene, High/Med Level	ug/Kg	2432.285	2225.405	2500.000	100.000 U	97 9	% R	69-130 30	
2-Chlorotoluene, High/Med Level	ug/Kg	2464.545	2265.755	2500.000	50.000 U	99 8	% R	62-134 30	
1,3,5-Trimethylbenzene, High/Med Level	ug/Kg	2550.900	2324.815	2500.000	100.000 U	102 9	% R	66-125 30	
4-Chlorotoluene, High/Med Level	ug/Kg	2371.105	2173.240	2500.000	50.000 U	95 9	% R	66-131 30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	V05K03DSB	164674-005		11/04/2005 0719

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, High/Med Level	ug/Kg	2520.960	2258.050	2500.000	50.000	U	101	%	71-125	
							11	R	30	
1,2,4-Trimethylbenzene, High/Med Level	ug/Kg	2548.100	2276.215	2500.000	100.000	U	102	%	69-122	
							11	R	30	
sec-Butylbenzene, High/Med Level	ug/Kg	2420.770	2179.500	2500.000	50.000	U	97	%	69-139	
							10	R	30	
p-Isopropyltoluene, High/Med Level	ug/Kg	2356.540	2124.050	2500.000	100.000	U	94	%	68-129	
							10	R	30	
n-Butylbenzene, High/Med Level	ug/Kg	2309.045	2120.660	2500.000	50.000	U	92	%	64-118	
							9	R	30	
1,2-Dichlorobenzene, High/Med Level	ug/Kg	2465.160	2266.255	2500.000	100.000	U	99	%	76-125	
							8	R	30	
1,2-Dibromo-3-chloropropane, High/Med	ug/Kg	2524.240	2409.740	2500.000	100.000	U	101	%	56-102	
							5	R	30	
1,2,3-Trichlorobenzene, High/Med Level	ug/Kg	2466.700	2122.085	2500.000	100.000	U	99	%	68-117	
							15	R	30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSB	164674-004		11/03/2005	2141

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164677

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, High/Med Leve	ug/Kg	2314.665		2500.000	100.000 U	93	%	29-135	
Chloromethane, High/Med Level	ug/Kg	2103.920		2500.000	100.000 U	84	%	55-129	
Vinyl chloride, High/Med Level	ug/Kg	2310.000		2500.000	25.000 U	92	%	61-135	
Bromomethane, High/Med Level	ug/Kg	3380.585		2500.000	100.000 U	135	%	36-164	
Chloroethane, High/Med Level	ug/Kg	2371.380		2500.000	100.000 U	95	%	33-207	
Trichlorofluoromethane, High/Med Level	ug/Kg	2388.410		2500.000	100.000 U	96	%	59-145	
1,1-Dichloroethene, High/Med Level	ug/Kg	2495.740		2500.000	50.000 U	100	%	44-143	
Carbon disulfide, High/Med Level	ug/Kg	2324.345		2500.000	100.000 U	93	%	21-124	
Acetone, High/Med Level	ug/Kg	2338.430		2500.000	200.000 U	94	%	34-143	
Methylene chloride, High/Med Level	ug/Kg	2546.420		2500.000	100.000 U	102	%	57-129	
trans-1,2-Dichloroethene, High/Med Lev	ug/Kg	2449.415		2500.000	50.000 U	98	%	66-138	
Methyl-tert-butyl-ether (MTBE), High/M	ug/Kg	2785.590		2500.000	100.000 U	111	%	47-126	
1,1-Dichloroethane, High/Med Level	ug/Kg	2531.085		2500.000	50.000 U	101	%	68-119	
2,2-Dichloropropane, High/Med Level	ug/Kg	2879.935		2500.000	50.000 U	115	%	41-131	
cis-1,2-Dichloroethene, High/Med Level	ug/Kg	2485.020		2500.000	50.000 U	99	%	64-144	
2-Butanone (MEK), High/Med Level	ug/Kg	2295.340		2500.000	100.000 U	92	%	40-125	
Bromochloromethane, High/Med Level	ug/Kg	2127.875		2500.000	100.000 U	85	%	60-124	
Chloroform, High/Med Level	ug/Kg	2639.240		2500.000	50.000 U	106	%	61-129	
1,1,1-Trichloroethane, High/Med Level	ug/Kg	2697.110		2500.000	50.000 U	108	%	69-133	
1,1-Dichloropropene, High/Med Level	ug/Kg	2324.560		2500.000	50.000 U	93	%	65-134	
Carbon tetrachloride, High/Med Level	ug/Kg	2799.025		2500.000	50.000 U	112	%	59-127	
Benzene, High/Med Level	ug/Kg	2252.260		2500.000	25.000 U	90	%	67-122	
1,2-Dichloroethane, High/Med Level	ug/Kg	2554.450		2500.000	50.000 U	102	%	64-115	
Trichloroethene, High/Med Level	ug/Kg	2417.905		2500.000	25.000 U	97	%	70-123	
1,2-Dichloropropane, High/Med Level	ug/Kg	2449.420		2500.000	50.000 U	98	%	70-122	
Dibromomethane, High/Med Level	ug/Kg	1816.710		2500.000	100.000 U	73	%	67-121	
Bromodichloromethane, High/Med Level	ug/Kg	2690.175		2500.000	100.000 U	108	%	66-128	
cis-1,3-Dichloropropene, High/Med Leve	ug/Kg	2446.495		2600.000	50.000 U	94	%	68-123	
4-Methyl-2-pentanone (MIBK), High/Med	ug/Kg	2428.690		2500.000	100.000 U	97	%	54-119	
Toluene, High/Med Level	ug/Kg	2289.860		2500.000	25.000 U	92	%	72-123	
trans-1,3-Dichloropropene, High/Med Le	ug/Kg	2339.945		2400.000	50.000 U	97	%	60-115	
1,1,2-Trichloroethane, High/Med Level	ug/Kg	2597.790		2500.000	50.000 U	104	%	67-133	
Tetrachloroethene, High/Med Level	ug/Kg	2332.475		2500.000	50.000 U	93	%	75-125	
1,3-Dichloropropane, High/Med Level	ug/Kg	2463.080		2500.000	50.000 U	99	%	71-118	
2-Hexanone, High/Med Level	ug/Kg	2312.805		2500.000	100.000 U	93	%	50-116	
Dibromochloromethane, High/Med Level	ug/Kg	2589.295		2500.000	100.000 U	104	%	70-119	
1,2-Dibromoethane (EDB), High/Med Leve	ug/Kg	2424.035		2500.000	100.000 U	97	%	69-122	
Chlorobenzene, High/Med Level	ug/Kg	2262.945		2500.000	50.000 U	91	%	80-125	
1,1,1,2-Tetrachloroethane, High/Med Le	ug/Kg	2606.215		2500.000	100.000 U	104	%	74-120	
Ethylbenzene, High/Med Level	ug/Kg	2434.575		2500.000	25.000 U	97	%	78-128	
m&p-Xylenes, High/Med Level	ug/Kg	4719.385		5000.000	50.000 U	94	%	76-133	
o-Xylene, High/Med Level	ug/Kg	2376.315		2500.000	25.000 U	95	%	74-127	
Styrene, High/Med Level	ug/Kg	2458.055		2500.000	50.000 U	98	%	80-129	
Bromoform, High/Med Level	ug/Kg	2497.200		2500.000	100.000 U	100	%	70-123	
Isopropylbenzene, High/Med Level	ug/Kg	2057.685		2500.000	100.000 U	82	%	67-133	
Bromobenzene, High/Med Level	ug/Kg	2351.780		2500.000	100.000 U	94	%	74-133	
1,1,2,2-Tetrachloroethane, High/Med Le	ug/Kg	2243.560		2500.000	50.000 U	90	%	70-126	
1,2,3-Trichloropropane, High/Med Level	ug/Kg	2637.825		2500.000	100.000 U	106	%	64-118	
n-Propylbenzene, High/Med Level	ug/Kg	2225.405		2500.000	100.000 U	89	%	69-130	
2-Chlorotoluene, High/Med Level	ug/Kg	2265.755		2500.000	50.000 U	91	%	62-134	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSB	164674-004		11/03/2005	2141

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, High/Med Level	ug/Kg	2324.815		2500.000	100.000 U	93	%	66-125	
4-Chlorotoluene, High/Med Level	ug/Kg	2173.240		2500.000	50.000 U	87	%	66-131	
tert-Butylbenzene, High/Med Level	ug/Kg	2258.050		2500.000	50.000 U	90	%	71-125	
1,2,4-Trimethylbenzene, High/Med Level	ug/Kg	2276.215		2500.000	100.000 U	91	%	69-122	
sec-Butylbenzene, High/Med Level	ug/Kg	2179.500		2500.000	50.000 U	87	%	69-139	
p-Isopropyltoluene, High/Med Level	ug/Kg	2124.050		2500.000	100.000 U	85	%	68-129	
n-Butylbenzene, High/Med Level	ug/Kg	2120.660		2500.000	50.000 U	85	%	64-118	
1,2-Dichlorobenzene, High/Med Level	ug/Kg	2266.255		2500.000	100.000 U	91	%	76-125	
1,2-Dibromo-3-chloropropane, High/Med	ug/Kg	2409.740		2500.000	100.000 U	96	%	56-102	
1,2,3-Trichlorobenzene, High/Med Level	ug/Kg	2122.085		2500.000	100.000 U	85	%	68-117	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164674-003		11/03/2005	2116

Test Method.....: 8260B Equipment Code....: GCL2 Analyst...: jdn
Method Description.: Volatile Organics Batch.....: 164677

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, High/Med Leve	ug/Kg	100.000	U							
Chloromethane, High/Med Level	ug/Kg	100.000	U							
Vinyl chloride, High/Med Level	ug/Kg	25.000	U							
Bromomethane, High/Med Level	ug/Kg	100.000	U							
Chloroethane, High/Med Level	ug/Kg	100.000	U							
Trichlorofluoromethane, High/Med Level	ug/Kg	100.000	U							
1,1-Dichloroethene, High/Med Level	ug/Kg	50.000	U							
Carbon disulfide, High/Med Level	ug/Kg	100.000	U							
Acetone, High/Med Level	ug/Kg	200.000	U							
Methylene chloride, High/Med Level	ug/Kg	100.000	U							
trans-1,2-Dichloroethene, High/Med Lev	ug/Kg	50.000	U							
Methyl-tert-butyl-ether (MTBE), High/M	ug/Kg	100.000	U							
1,1-Dichloroethane, High/Med Level	ug/Kg	50.000	U							
2,2-Dichloropropane, High/Med Level	ug/Kg	50.000	U							
cis-1,2-Dichloroethene, High/Med Level	ug/Kg	50.000	U							
2-Butanone (MEK), High/Med Level	ug/Kg	100.000	U							
Bromochloromethane, High/Med Level	ug/Kg	100.000	U							
Chloroform, High/Med Level	ug/Kg	50.000	U							
1,1,1-Trichloroethane, High/Med Level	ug/Kg	50.000	U							
1,1-Dichloropropene, High/Med Level	ug/Kg	50.000	U							
Carbon tetrachloride, High/Med Level	ug/Kg	50.000	U							
Benzene, High/Med Level	ug/Kg	25.000	U							
1,2-Dichloroethane, High/Med Level	ug/Kg	50.000	U							
Trichloroethene, High/Med Level	ug/Kg	25.000	U							
1,2-Dichloropropane, High/Med Level	ug/Kg	50.000	U							
Dibromomethane, High/Med Level	ug/Kg	100.000	U							
Bromodichloromethane, High/Med Level	ug/Kg	100.000	U							
cis-1,3-Dichloropropene, High/Med Leve	ug/Kg	50.000	U							
4-Methyl-2-pentanone (MIBK), High/Med	ug/Kg	100.000	U							
Toluene, High/Med Level	ug/Kg	25.000	U							
trans-1,3-Dichloropropene, High/Med Le	ug/Kg	50.000	U							
1,1,2-Trichloroethane, High/Med Level	ug/Kg	50.000	U							
Tetrachloroethene, High/Med Level	ug/Kg	50.000	U							
1,3-Dichloropropane, High/Med Level	ug/Kg	50.000	U							
2-Hexanone, High/Med Level	ug/Kg	100.000	U							
Dibromochloromethane, High/Med Level	ug/Kg	100.000	U							
1,2-Dibromoethane (EDB), High/Med Leve	ug/Kg	100.000	U							
Chlorobenzene, High/Med Level	ug/Kg	50.000	U							
1,1,1,2-Tetrachloroethane, High/Med Le	ug/Kg	100.000	U							
Ethylbenzene, High/Med Level	ug/Kg	25.000	U							
m&p-Xylenes, High/Med Level	ug/Kg	50.000	U							
o-Xylene, High/Med Level	ug/Kg	25.000	U							
Styrene, High/Med Level	ug/Kg	50.000	U							
Bromoform, High/Med Level	ug/Kg	100.000	U							
Isopropylbenzene, High/Med Level	ug/Kg	100.000	U							
Bromobenzene, High/Med Level	ug/Kg	100.000	U							
1,1,2,2-Tetrachloroethane, High/Med Le	ug/Kg	50.000	U							
1,2,3-Trichloropropane, High/Med Level	ug/Kg	100.000	U							
n-Propylbenzene, High/Med Level	ug/Kg	100.000	U							
2-Chlorotoluene, High/Med Level	ug/Kg	50.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164674-003		11/03/2005	2116

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, High/Med Level	ug/Kg	100.000	U							
4-Chlorotoluene, High/Med Level	ug/Kg	50.000	U							
tert-Butylbenzene, High/Med Level	ug/Kg	50.000	U							
1,2,4-Trimethylbenzene, High/Med Level	ug/Kg	100.000	U							
sec-Butylbenzene, High/Med Level	ug/Kg	50.000	U							
p-Isopropyltoluene, High/Med Level	ug/Kg	100.000	U							
n-Butylbenzene, High/Med Level	ug/Kg	50.000	U							
1,2-Dichlorobenzene, High/Med Level	ug/Kg	100.000	U							
1,2-Dibromo-3-chloropropane, High/Med	ug/Kg	100.000	U							
1,2,3-Trichlorobenzene, High/Med Level	ug/Kg	100.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 164913

Analyst...: ges

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMAQ09-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241284	163658-024		11/03/2005	2111

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 — Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. — PROJECT: OMA009-001 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	241319	163784-009		11/04/2005	0035

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-0D1 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241543	164333-007		11/03/2005	1811

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	241319	163784-010		11/04/2005	0101

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 164913

Analyst...: ges

LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	44.955		50.000	5.000 U	90	%	39-159	
Chloromethane, Solid	ug/Kg	47.958		50.000	5.000 U	96	%	42-180	
Vinyl chloride, Solid	ug/Kg	49.203		50.000	5.000 U	98	%	60-125	
Bromomethane, Solid	ug/Kg	45.762		50.000	5.000 U	92	%	39-165	
Chloroethane, Solid	ug/Kg	46.926		50.000	5.000 U	94	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	43.927		50.000	5.000 U	88	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	47.450		50.000	5.000 U	95	%	47-141	
Carbon disulfide, Solid	ug/Kg	38.562		50.000	5.000 U	77	%	22-118	
Acetone, Solid	ug/Kg	51.750		50.000	5.000 U	104	%	50-176	
Methylene chloride, Solid	ug/Kg	43.137		50.000	5.000 U	86	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	47.994		50.000	5.000 U	96	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.628		50.000	5.000 U	99	%	69-155	
1,1-Dichloroethane, Solid	ug/Kg	48.185		50.000	5.000 U	96	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	45.427		50.000	5.000 U	91	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	50.475		50.000	5.000 U	101	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	43.045		50.000	5.000 U	86	%	41-166	
Bromochloromethane, Solid	ug/Kg	51.171		50.000	5.000 U	102	%	61-122	
Chloroform, Solid	ug/Kg	49.084		50.000	5.000 U	98	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	49.055		50.000	5.000 U	98	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	48.642		50.000	5.000 U	97	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	48.466		50.000	5.000 U	97	%	67-130	
Benzene, Solid	ug/Kg	48.930		50.000	5.000 U	98	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	47.881		50.000	5.000 U	96	%	72-134	
Trichloroethene, Solid	ug/Kg	50.051		50.000	5.000 U	100	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	49.545		50.000	5.000 U	99	%	76-124	
Dibromomethane, Solid	ug/Kg	48.993		50.000	5.000 U	98	%	75-122	
Bromodichloromethane, Solid	ug/Kg	53.743		50.000	5.000 U	107	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	51.010		52.000	5.000 U	98	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	47.711		50.000	5.000 U	95	%	57-144	
Toluene, Solid	ug/Kg	50.500		50.000	5.000 U	101	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	47.783		48.000	5.000 U	100	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	53.185		50.000	5.000 U	106	%	79-133	
Tetrachloroethene, Solid	ug/Kg	48.253		50.000	5.000 U	97	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	49.895		50.000	5.000 U	100	%	81-123	
2-Hexanone, Solid	ug/Kg	49.785		50.000	5.000 U	100	%	57-148	
Dibromochloromethane, Solid	ug/Kg	50.126		50.000	5.000 U	100	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	51.784		50.000	5.000 U	104	%	77-123	
Chlorobenzene, Solid	ug/Kg	48.852		50.000	5.000 U	98	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	50.457		50.000	5.000 U	101	%	78-126	
Ethylbenzene, Solid	ug/Kg	50.399		50.000	5.000 U	101	%	73-121	
m&p-Xylenes, Solid	ug/Kg	99.258		100.000	10.000 U	99	%	73-122	
o-Xylene, Solid	ug/Kg	49.617		50.000	5.000 U	99	%	75-120	
Styrene, Solid	ug/Kg	51.235		50.000	5.000 U	102	%	76-124	
Bromoform, Solid	ug/Kg	47.700		50.000	5.000 U	95	%	72-132	
Isopropylbenzene, Solid	ug/Kg	48.075		50.000	5.000 U	96	%	59-114	
Bromobenzene, Solid	ug/Kg	53.021		50.000	5.000 U	106	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	49.797		50.000	5.000 U	100	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	52.731		50.000	5.000 U	105	%	75-126	
n-Propylbenzene, Solid	ug/Kg	52.311		50.000	5.000 U	105	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	52.305		50.000	5.000 U	105	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05K03DSX	164658-019		11/03/2005	1720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	52.804		50.000	5.000 U	106	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	50.262		50.000	5.000 U	101	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	52.802		50.000	5.000 U	106	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	51.517		50.000	5.000 U	103	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	51.716		50.000	5.000 U	103	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	49.410		50.000	5.000 U	99	%	65-121	
n-Butylbenzene, Solid	ug/Kg	51.391		50.000	5.000 U	103	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	50.000		50.000	5.000 U	100	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	49.134		50.000	5.000 U	98	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	51.674		50.000	5.000 U	103	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	5.000	U							
Chloromethane, Solid	ug/Kg	5.000	U							
Vinyl chloride, Solid	ug/Kg	5.000	U							
Bromomethane, Solid	ug/Kg	5.000	U							
Chloroethane, Solid	ug/Kg	5.000	U							
Trichlorofluoromethane, Solid	ug/Kg	5.000	U							
1,1-Dichloroethene, Solid	ug/Kg	5.000	U							
Carbon disulfide, Solid	ug/Kg	5.000	U							
Acetone, Solid	ug/Kg	5.000	U							
Methylene chloride, Solid	ug/Kg	5.000	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	5.000	U							
1,1-Dichloroethane, Solid	ug/Kg	5.000	U							
2,2-Dichloropropane, Solid	ug/Kg	5.000	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	5.000	U							
2-Butanone (MEK), Solid	ug/Kg	5.000	U							
Bromochloromethane, Solid	ug/Kg	5.000	U							
Chloroform, Solid	ug/Kg	5.000	U							
1,1,1-Trichloroethane, Solid	ug/Kg	5.000	U							
1,1-Dichloropropene, Solid	ug/Kg	5.000	U							
Carbon tetrachloride, Solid	ug/Kg	5.000	U							
Benzene, Solid	ug/Kg	5.000	U							
1,2-Dichloroethane, Solid	ug/Kg	5.000	U							
Trichloroethene, Solid	ug/Kg	5.000	U							
1,2-Dichloropropane, Solid	ug/Kg	5.000	U							
Dibromomethane, Solid	ug/Kg	5.000	U							
Bromodichloromethane, Solid	ug/Kg	5.000	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	5.000	U							
Toluene, Solid	ug/Kg	5.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	5.000	U							
1,1,2-Trichloroethane, Solid	ug/Kg	5.000	U							
Tetrachloroethene, Solid	ug/Kg	5.000	U							
1,3-Dichloropropane, Solid	ug/Kg	5.000	U							
2-Hexanone, Solid	ug/Kg	5.000	U							
Dibromochloromethane, Solid	ug/Kg	5.000	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	5.000	U							
Chlorobenzene, Solid	ug/Kg	5.000	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
Ethylbenzene, Solid	ug/Kg	5.000	U							
m&p-Xylenes, Solid	ug/Kg	10.000	U							
o-Xylene, Solid	ug/Kg	5.000	U							
Styrene, Solid	ug/Kg	5.000	U							
Bromoform, Solid	ug/Kg	5.000	U							
Isopropylbenzene, Solid	ug/Kg	5.000	U							
Bromobenzene, Solid	ug/Kg	5.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	5.000	U							
1,2,3-Trichloropropane, Solid	ug/Kg	5.000	U							
n-Propylbenzene, Solid	ug/Kg	5.000	U							
2-Chlorotoluene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		164658-018		11/03/2005	1654

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	5.000	U							
4-Chlorotoluene, Solid	ug/Kg	5.000	U							
tert-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	5.000	U							
sec-Butylbenzene, Solid	ug/Kg	5.000	U							
p-Isopropyltoluene, Solid	ug/Kg	5.000	U							
n-Butylbenzene, Solid	ug/Kg	5.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	5.000	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	5.000	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K03DSX	241284-3		11/03/2005	2227

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL18
Batch.....: 164913

Analyst...: ges

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	33.787		48.880	4.888	U	69	%	39-159	
Chloromethane, Solid	ug/Kg	43.161		48.880	4.888	U	88	%	42-180	
Vinyl chloride, Solid	ug/Kg	42.904		48.880	4.888	U	88	%	60-125	
Bromomethane, Solid	ug/Kg	56.805		48.880	4.888	U	116	%	39-165	
Chloroethane, Solid	ug/Kg	48.360		48.880	4.888	U	99	%	56-145	
Trichlorofluoromethane, Solid	ug/Kg	40.258		48.880	4.888	U	82	%	57-136	
1,1-Dichloroethene, Solid	ug/Kg	42.154		48.880	4.888	U	86	%	47-141	
Carbon disulfide, Solid	ug/Kg	34.857		48.880	4.888	U	71	%	22-118	
Acetone, Solid	ug/Kg	41.130		48.880	4.888	U	84	%	50-176	
Methylene chloride, Solid	ug/Kg	39.576		48.880	4.888	U	81	%	67-133	
trans-1,2-Dichloroethene, Solid	ug/Kg	42.360		48.880	4.888	U	87	%	62-138	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	32.646		48.880	4.888	U	67	%	69-155	*
1,1-Dichloroethane, Solid	ug/Kg	43.132		48.880	4.888	U	88	%	65-134	
2,2-Dichloropropane, Solid	ug/Kg	42.599		48.880	4.888	U	87	%	70-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	46.070		48.880	4.888	U	94	%	65-125	
2-Butanone (MEK), Solid	ug/Kg	47.833		48.880	4.888	U	98	%	41-166	
Bromochloromethane, Solid	ug/Kg	32.368		48.880	4.888	U	66	%	61-122	
Chloroform, Solid	ug/Kg	44.561		48.880	4.888	U	91	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	44.564		48.880	4.888	U	91	%	71-137	
1,1-Dichloropropene, Solid	ug/Kg	46.181		48.880	4.888	U	94	%	68-134	
Carbon tetrachloride, Solid	ug/Kg	44.052		48.880	4.888	U	90	%	67-130	
Benzene, Solid	ug/Kg	45.291		48.880	4.888	U	93	%	72-125	
1,2-Dichloroethane, Solid	ug/Kg	50.025		48.880	4.888	U	102	%	72-134	
Trichloroethene, Solid	ug/Kg	46.429		48.880	4.888	U	95	%	75-125	
1,2-Dichloropropane, Solid	ug/Kg	46.350		48.880	4.888	U	95	%	76-124	
Dibromomethane, Solid	ug/Kg	51.880		48.880	4.888	U	106	%	75-122	
Bromodichloromethane, Solid	ug/Kg	51.735		48.880	4.888	U	106	%	82-131	
cis-1,3-Dichloropropene, Solid	ug/Kg	47.613		50.830	4.888	U	94	%	78-118	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	66.060		48.880	4.888	U	135	%	57-144	
Toluene, Solid	ug/Kg	45.066		48.880	4.888	U	92	%	73-121	
trans-1,3-Dichloropropene, Solid	ug/Kg	47.811		46.920	4.888	U	102	%	77-127	
1,1,2-Trichloroethane, Solid	ug/Kg	55.680		48.880	4.888	U	114	%	79-133	
Tetrachloroethene, Solid	ug/Kg	42.286		48.880	4.888	U	87	%	65-123	
1,3-Dichloropropane, Solid	ug/Kg	50.476		48.880	4.888	U	103	%	81-123	
2-Hexanone, Solid	ug/Kg	60.280		48.880	4.888	U	123	%	57-148	
Dibromochloromethane, Solid	ug/Kg	50.277		48.880	4.888	U	103	%	78-125	
1,2-Dibromoethane (EDB), Solid	ug/Kg	58.336		48.880	4.888	U	119	%	77-123	
Chlorobenzene, Solid	ug/Kg	44.187		48.880	4.888	U	90	%	77-115	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	46.951		48.880	4.888	U	96	%	78-126	
Ethylbenzene, Solid	ug/Kg	44.602		48.880	4.888	U	91	%	73-121	
m&p-Xylenes, Solid	ug/Kg	91.190		97.750	9.775	U	93	%	73-122	
o-Xylene, Solid	ug/Kg	45.187		48.880	4.888	U	92	%	75-120	
Styrene, Solid	ug/Kg	47.647		48.880	4.888	U	97	%	76-124	
Bromoform, Solid	ug/Kg	55.335		48.880	4.888	U	113	%	72-132	
Isopropylbenzene, Solid	ug/Kg	40.109		48.880	4.888	U	82	%	59-114	
Bromobenzene, Solid	ug/Kg	45.081		48.880	4.888	U	92	%	75-118	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	56.884		48.880	4.888	U	116	%	73-125	
1,2,3-Trichloropropane, Solid	ug/Kg	58.738		48.880	4.888	U	120	%	75-126	
n-Propylbenzene, Solid	ug/Kg	44.281		48.880	4.888	U	91	%	66-126	
2-Chlorotoluene, Solid	ug/Kg	44.902		48.880	4.888	U	92	%	68-126	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05K03bSX	241284-3		11/03/2005	2227

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	44.407		48.880	4.888 U	91	%	68-125	
4-Chlorotoluene, Solid	ug/Kg	44.065		48.880	4.888 U	90	%	70-123	
tert-Butylbenzene, Solid	ug/Kg	44.249		48.880	4.888 U	91	%	67-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	44.936		48.880	4.888 U	92	%	70-126	
sec-Butylbenzene, Solid	ug/Kg	44.876		48.880	4.888 U	92	%	65-129	
p-Isopropyltoluene, Solid	ug/Kg	43.406		48.880	4.888 U	89	%	65-121	
n-Butylbenzene, Solid	ug/Kg	45.776		48.880	4.888 U	94	%	64-133	
1,2-Dichlorobenzene, Solid	ug/Kg	45.807		48.880	4.888 U	94	%	75-117	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	61.018		48.880	4.888 U	125	%	61-133	
1,2,3-Trichlorobenzene, Solid	ug/Kg	54.430		48.880	4.888 U	111	%	65-127	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K03DSX	241284-3		11/03/2005	2253

Test Method.....: 8260B Equipment Code....: GCL18 Analyst...: ges
Method Description.: Volatile Organics Batch.....: 164913

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	39.648	33.787	48.880	4.888	U	81	%	39-159	
							16	R	20	
Chloromethane, Solid	ug/Kg	48.806	43.161	48.880	4.888	U	100	%	42-180	
							13	R	20	
Vinyl chloride, Solid	ug/Kg	48.231	42.904	48.880	4.888	U	99	%	60-125	
							12	R	20	
Bromomethane, Solid	ug/Kg	59.398	56.805	48.880	4.888	U	122	%	39-165	
							5	R	20	
Chloroethane, Solid	ug/Kg	51.725	48.360	48.880	4.888	U	106	%	56-145	
							7	R	20	
Trichlorofluoromethane, Solid	ug/Kg	48.327	40.258	48.880	4.888	U	99	%	57-136	
							19	R	20	
1,1-Dichloroethene, Solid	ug/Kg	45.621	42.154	48.880	4.888	U	93	%	47-141	
							8	R	20	
Carbon disulfide, Solid	ug/Kg	38.381	34.857	48.880	4.888	U	79	%	22-118	
							11	R	20	
Acetone, Solid	ug/Kg	52.946	41.130	48.880	4.888	U	108	%	50-176	
							25	R	20	*
Methylene chloride, Solid	ug/Kg	44.014	39.576	48.880	4.888	U	90	%	67-133	
							11	R	20	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.491	42.360	48.880	4.888	U	95	%	62-138	
							9	R	20	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	53.897	32.646	48.880	4.888	U	110	%	69-155	
							49	R	20	*
1,1-Dichloroethane, Solid	ug/Kg	46.309	43.132	48.880	4.888	U	95	%	65-134	
							8	R	20	
2,2-Dichloropropane, Solid	ug/Kg	48.721	42.599	48.880	4.888	U	100	%	70-134	
							14	R	20	
cis-1,2-Dichloroethene, Solid	ug/Kg	48.904	46.070	48.880	4.888	U	100	%	65-125	
							6	R	20	
2-Butanone (MEK), Solid	ug/Kg	51.472	47.833	48.880	4.888	U	105	%	41-166	
							7	R	20	
Bromochloromethane, Solid	ug/Kg	51.043	32.368	48.880	4.888	U	104	%	61-122	
							45	R	20	*
Chloroform, Solid	ug/Kg	47.823	44.561	48.880	4.888	U	98	%	73-135	
							7	R	20	
1,1,1-Trichloroethane, Solid	ug/Kg	48.769	44.564	48.880	4.888	U	100	%	71-137	
							9	R	20	
1,1-Dichloropropene, Solid	ug/Kg	47.720	46.181	48.880	4.888	U	98	%	68-134	
							4	R	20	
Carbon tetrachloride, Solid	ug/Kg	48.911	44.052	48.880	4.888	U	100	%	67-130	
							11	R	20	
Benzene, Solid	ug/Kg	48.159	45.291	48.880	4.888	U	99	%	72-125	
							6	R	20	
1,2-Dichloroethane, Solid	ug/Kg	51.861	50.025	48.880	4.888	U	106	%	72-134	
							4	R	20	
Trichloroethene, Solid	ug/Kg	48.969	46.429	48.880	4.888	U	100	%	75-125	
							5	R	20	
1,2-Dichloropropane, Solid	ug/Kg	49.127	46.350	48.880	4.888	U	101	%	76-124	
							6	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K03DSX	241284-3		11/03/2005	2253

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Dibromomethane, Solid	ug/Kg	53.959	51.880	48.880	4.888	U	110 4	% R	75-122 20	
Bromodichloromethane, Solid	ug/Kg	55.136	51.735	48.880	4.888	U	113 6	% R	82-131 20	
cis-1,3-Dichloropropene, Solid	ug/Kg	51.136	47.613	50.830	4.888	U	101 7	% R	78-118 20	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	70.927	66.060	48.880	4.888	U	145 7	% R	57-144 20	*
Toluene, Solid	ug/Kg	48.528	45.066	48.880	4.888	U	99 7	% R	73-121 20	
trans-1,3-Dichloropropene, Solid	ug/Kg	50.775	47.811	46.920	4.888	U	108 6	% R	77-127 20	
1,1,2-Trichloroethane, Solid	ug/Kg	57.495	55.680	48.880	4.888	U	118 3	% R	79-133 20	
Tetrachloroethene, Solid	ug/Kg	44.837	42.286	48.880	4.888	U	92 6	% R	65-123 20	
1,3-Dichloropropane, Solid	ug/Kg	51.580	50.476	48.880	4.888	U	106 3	% R	81-123 20	
2-Hexanone, Solid	ug/Kg	64.736	60.280	48.880	4.888	U	132 7	% R	57-148 20	
Dibromochloromethane, Solid	ug/Kg	53.028	50.277	48.880	4.888	U	108 5	% R	78-125 20	
1,2-Dibromoethane (EDB), Solid	ug/Kg	58.492	58.336	48.880	4.888	U	120 1	% R	77-123 20	
Chlorobenzene, Solid	ug/Kg	47.029	44.187	48.880	4.888	U	96 6	% R	77-115 20	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	49.751	46.951	48.880	4.888	U	102 6	% R	78-126 20	
Ethylbenzene, Solid	ug/Kg	46.926	44.602	48.880	4.888	U	96 5	% R	73-121 20	
m&p-Xylenes, Solid	ug/Kg	96.636	91.190	97.750	9.775	U	99 6	% R	73-122 20	
o-Xylene, Solid	ug/Kg	48.627	45.187	48.880	4.888	U	99 7	% R	75-120 20	
Styrene, Solid	ug/Kg	50.723	47.647	48.880	4.888	U	104 7	% R	76-124 20	
Bromoform, Solid	ug/Kg	56.376	55.335	48.880	4.888	U	115 2	% R	72-132 20	
Isopropylbenzene, Solid	ug/Kg	42.821	40.109	48.880	4.888	U	88 7	% R	59-114 20	
Bromobenzene, Solid	ug/Kg	48.975	45.081	48.880	4.888	U	100 8	% R	75-118 20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	58.433	56.884	48.880	4.888	U	120 3	% R	73-125 20	
1,2,3-Trichloropropane, Solid	ug/Kg	60.875	58.738	48.880	4.888	U	125 4	% R	75-126 20	
n-Propylbenzene, Solid	ug/Kg	47.881	44.281	48.880	4.888	U	98 7	% R	66-126 20	
2-Chlorotoluene, Solid	ug/Kg	48.193	44.902	48.880	4.888	U	99 7	% R	68-126 20	
1,3,5-Trimethylbenzene, Solid	ug/Kg	48.415	44.407	48.880	4.888	U	99 8	% R	68-125 20	
4-Chlorotoluene, Solid	ug/Kg	46.473	44.065	48.880	4.888	U	95 5	% R	70-123 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05K03DSX	241284-3		11/03/2005	2253

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
tert-Butylbenzene, Solid	ug/Kg	47.708	44.249	48.880	4.888	U	98 7	% R	67-124 20	
1,2,4-Trimethylbenzene, Solid	ug/Kg	48.296	44.936	48.880	4.888	U	99 7	% R	70-126 20	
sec-Butylbenzene, Solid	ug/Kg	48.655	44.876	48.880	4.888	U	100 8	% R	65-129 20	
p-Isopropyltoluene, Solid	ug/Kg	47.179	43.406	48.880	4.888	U	97 9	% R	65-121 20	
n-Butylbenzene, Solid	ug/Kg	50.341	45.776	48.880	4.888	U	103 9	% R	64-133 20	
1,2-Dichlorobenzene, Solid	ug/Kg	48.826	45.807	48.880	4.888	U	100 6	% R	75-117 20	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	66.449	61.018	48.880	4.888	U	136 8	% R	61-133 20	*
1,2,3-Trichlorobenzene, Solid	ug/Kg	57.850	54.430	48.880	4.888	U	118 6	% R	65-127 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK001	163775-002		10/28/2005	1239

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	9.16		10.00	0.37	U	92	%	80-120	
Barium, Solid	mg/Kg	194.31		200.00	0.11	B	97	%	80-120	
Cadmium, Solid	mg/Kg	4.78		5.00	0.06	U	96	%	80-120	
Chromium, Solid	mg/Kg	19.64		20.00	0.10	U	98	%	80-120	
Lead, Solid	mg/Kg	10.06		10.00	0.25	U	101	%	80-120	
Selenium, Solid	mg/Kg	9.73		10.00	0.45	U	97	%	80-120	
Silver, Solid	mg/Kg	4.59		5.00	0.10	U	92	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	163775	163775-001		10/28/2005	1234

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.11	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.10	U							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		241284-5		10/28/2005	1253

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	1.01				1.25		0.24	A	0.98	
Barium, Solid	mg/Kg	10.84				11.76		8.1	R	20.0	
Cadmium, Solid	mg/Kg	0.06	U			0.06	U	0	A	0.20	
Chromium, Solid	mg/Kg	3.32				3.45		0.13	A	0.98	
Lead, Solid	mg/Kg	3.21				3.34		4.2	R	20.0	
Selenium, Solid	mg/Kg	0.44	U			0.44	U	0.13	A	0.98	
Silver, Solid	mg/Kg	0.10	U			0.10	U	8.63	A	0.49	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05ISPK001	241284-5		10/28/2005	1257

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	10.88		10.39	1.25	93	%	75-125	
Barium, Solid	mg/Kg	215.52		207.90	11.76	98	%	75-125	
Cadmium, Solid	mg/Kg	4.81		5.20	0.06 U	93	%	75-125	
Chromium, Solid	mg/Kg	25.00		20.79	3.45	104	%	75-125	
Lead, Solid	mg/Kg	14.29		10.39	3.34	105	%	75-125	
Selenium, Solid	mg/Kg	9.89		10.39	0.47 U	95	%	75-125	
Silver, Solid	mg/Kg	4.88		5.20	0.10 U	94	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284

Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	N05ISPK001	241284-5		10/28/2005	1302

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 164090

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	10.59	10.88	10.46	1.25		89	%	75-125	
							4.4	R	20	
Barium, Solid	mg/Kg	218.74	215.52	209.10	11.76		99	%	75-125	
							1.0	R	20	
Cadmium, Solid	mg/Kg	4.90	4.81	5.23	0.06	U	94	%	75-125	
							1.1	R	20	
Chromium, Solid	mg/Kg	25.15	25.00	20.91	3.45		104	%	75-125	
							0.0	R	20	
Lead, Solid	mg/Kg	14.44	14.29	10.46	3.34		106	%	75-125	
							0.9	R	20	
Selenium, Solid	mg/Kg	9.87	9.89	10.46	0.47	U	94	%	75-125	
							1.1	R	20	
Silver, Solid	mg/Kg	4.93	4.88	5.23	0.10	U	94	%	75-125	
							0.0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		241284-5		10/28/2005	1248

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP5
Batch.....: 164090
Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.38	U			1.25					
Barium, Solid	mg/Kg	2.39				11.76		1.5	D	10.0	
Cadmium, Solid	mg/Kg	0.06	U			0.06	U				
Chromium, Solid	mg/Kg	0.91	B			3.45					
Lead, Solid	mg/Kg	0.68				3.34					
Selenium, Solid	mg/Kg	0.46	U			0.46	U				
Silver, Solid	mg/Kg	0.10	U			0.10	U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 241284 Report Date.: 11/08/2005

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 163755 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163755-001		%	0.1000	U								10/26/2005	1545
MD	241284-3		%	93.40000				93.00000	0.4		R	5.0	10/26/2005	1550

Test Method.....: 9045C Batch.....: 164183 Analyst...: pmf
Method Description.: pH (Soil) Equipment Code....: Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	164183-002	I05JPH7B	pH Units	6.96000		7.01000		0.05000		A	0.20000	10/31/2005	1244
LCDP	164183-003	I05JPH7B	pH Units	6.97000		7.01000		0.04000		A	0.20000	10/31/2005	1247

Test Method.....: 375.4 Batch.....: 164239 Analyst...: cls
Method Description.: Sulfate, Turbidimetric Equipment Code....: SPEC3 Test Code.: SO4
Parameter.....: Sulfate

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164239-004		mg/L	1.70000	U								10/31/2005	1435
LCS	164239-005	I04KSTSA2	mg/L	18.14000			20.00000		91		%	80-120	10/31/2005	1436

Test Method.....: 7.3.4.2/9034 Batch.....: 164171 Analyst...: mtb
Method Description.: Reactivity, Sulfide Equipment Code....: Test Code.: REACS
Parameter.....: Reactivity, Sulfide

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	164171-001		mg/Kg	8.80	U								10/31/2005	0850
LCS	164171-002	I05HSTSF1A	mg/Kg	185.07			195.20	8.80	U 95		%	25-116	10/31/2005	0852

Test Method.....: 7471A Batch.....: 163957 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	163953-007		mg/Kg	0.01	U								10/27/2005	1517
LCS	163953-008	MO4LSTK010	mg/Kg	0.17			0.17	0.01	U 101		%	80-120	10/27/2005	1519
MD	241284-5		mg/Kg	0.01	B			0.01	U 0.00		A	0.02	10/27/2005	1524
MS	241284-5	MO4KSTK001	mg/Kg	0.10			0.09	0.01	U 117		%	75-125	10/27/2005	1526
MSD	241284-5	MO4KSTK001	mg/Kg	0.11		0.10	0.09	0.01	U 121		%	75-125	10/27/2005	1528
									3.4		R	20		

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC BURNS
Company: H&L
Address: MOHAWK 10 EQUINOX PK
313 USHER RD.
BALLSTON LAKE, NY 12019
Phone: 518-8770390
Fax: 518-877-0414
E-Mail: EBURNS@H&L.COM

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: CMA069-001 Quote:

Shaded Areas For Internal Use Only 1 of 4

Lab Lot# 241284

Package Sealed (Yes) No	Samples Sealed Yes (No)
Received on Ice (Yes) No	Samples Intact (Yes) No
Temperature °C of Cooler (2.0) (2.4) (2.2)	
Within Hold Time (Yes) No	Preserv. Indicated (Yes) No NA
pH Check OK Yes No (NA)	Res Cl_2 Check OK Yes No (NA)
Sample Labels and COC Agree (Yes) No	COC not present

Sampler Name: M. JACKSON
Signature: Michael D. Jackson
Project Name: Groundwater Plume Delineation
Project Number: CMA069-001
Project Location: MCA BARRACKS AUBURN, NY
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: Linda Markley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	Acetone Methanol	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW020-45-1005	10-22-05	0755	W	G	X				24 HR TAT
1		MCA-SO012-4-6-1005		0915	S	C		X			STD TAT TERRACORE KIT
		MCA-GW025-16-1005		0925	W	G	X				1 DAY TAT 5 DAY TAT
		MCA-GW025-30-1005		1000	↓	↓	↓				↓
		MCA-GW025-45-1005		1035	↓	↓	↓				↓
2		MCA-SO014-4-6-1005		1140	S	C		X			STD TAT TERRACORE KIT
		MCA-GW027-16-1005		1420	W	G	X				3 DAY TAT
		MCA-GW027-30-1005		1500	↓	↓	↓				↓
3		MCA-SO013-4-6-1005		1535	S	C		X			STD TAT TERRACORE KIT
		MCA-SOMS102-1005		1535							
↓		MCA-SOMSD102-1005		1535	↓	↓		↓			↓ ↓
4		MCA-GW026-16-1005	↓	1600	W	G	X			X	STD TAT (2 VOAs only)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	H&L	10-24-05	1500	[signature]	SR	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = Standard TAT

Date Received 10, 25, 05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGC
Address: NORTHWAY 10 EXECUTIVE PARK 313 USHERS RD
BOLTON LANDING, NY 12814
Phone: 518-877-0896
Fax: 518-877-0414
E-Mail: mdj68e yahoo.com

Bill To:
Contact:
Company: SAME AS "Report To"
Address:
Phone:
Fax:
PO#: OMA009-001 Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 241284

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check OK Yes No NA	Res Cl_2 Check OK Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: GW Plume Delineation
Project Number: OMA009-001
Project Location: Lake Markley
Lab PM: MCA Analytics (Walter Hang)
Date Required Hard Copy: ___/___/___ Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 8260B	VOCs 8260B	RCRA METALS	Additional Analyses / Remarks
		MCA-GW027-45-1005	10-22-05	1630	W	G	X			3 DAY TAT
5		MCA-S0007-2-4-1005	10-23-05	0810	S	C		X	X	TCLP ONLY STD TAT
		MCA-GW011-16-1005		0820	W	G	X			24 HR TAT
		MCA-GW011-30-1005		0945	↓	↓	↓			↓
6		MCA-S0004-2-4-1005		1000	S	C		X	X	TCLP ONLY STD TAT
		MCA-GW008-16-1005		1030	W	G	X			24 HR TAT
		MCA-GW008-30-1005		1155	↓	↓	↓			↓
		MCA-GW008-45-1005		1200						24 HOUR TAT
		MCA-GW023-15-1005		1600						↓
		MCA-GW023-30-1005		1610						STD TAT
		MCA-GW023-45-1005		1640						
7		MCA-GWDUP104-1005	↓	1037	↓	↓				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGC	10-24-05	1650		SA	10/25/05	0950

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
STD TAT = Standard TAT

Date Received 10 / 25 / 05
Courier: FX Hand Delivered
Bill of Lading See attach

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Eric Evans
Company: HGL
Address: Northpark 10 Executive Pk
213 Ushers Rd
Ballston Lake, NY 12019
Phone: 518-877-0310
Fax: 518-877-0414
E-Mail: EEvans@hgl.com

Bill To:
Contact:
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only 3 of 4

Lab Lot# 241284

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No
Temperature °C of Cooler	

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	Res Cl_2 Check OK
Yes No NA	Yes No NA
Sample Labels and COC Agree	
Yes No	COC not present

Sampler Name: M. Jackson
Signature:
Project Name: GW Plume Delineation
Project Number: 0MA009-601-
Project Location: MCA Barracks Hunter AAP
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
Lab PM: Linda Markley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	RCRA Metals	pH	Sulfide	Sulfate	VOCs 8260B Encore	VOCs 8260B	Additional Analyses / Remarks
		MCA-GW011-45-1005	10-24-05	0910	W	G	4521	2	3	HCl	X								24 HR TAT
		MCA-GW019-12-1005		1035				1	40ml	NONE									3 DAY TAT
		MCA-GW019MS-12-1005		1035				1	40ml	NONE									STD TAT (Standard)
		MCA-GW019MSD-12-1005		1035				1	40ml	NONE									↓
		MCA-GW019-30-1005		1105				1	40ml	NONE									3 DAY TAT
		MCA-GW019-45-1005		1140				1	40ml	NONE									↓
8		MCA-SG001-2-4-1005		1310	S	C							X	X	X	X	X		STD TAT (STANDARD)
		MCA-GW001-15-1005		1320	W	G		1	40ml	NONE									24 HR TAT
		MCA-GW001-30-1005		1420	W	G		1	40ml	NONE								X	↓ 24HR TAT
9		MCA-GWDup105-1005		0938				1	40ml	NONE								X	NO PRESERVATIVE! STD TAT (Same as 1620)
10		EQ10 2405		1620				1	40ml	NONE	X								NO PRESERVATIVE STD TAT
		MCA-GW001-45-1005	↓	1505	↓	↓		1	40ml	NONE								X	NO PRESERVATIVE 24 HR TAT

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	10-24-05	1650		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = ___

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ___

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Sulfate / Sulfide
↳ share 40z jar (same jar)

Date Received 10 / 25 / 05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: AGL
Address: NORTHWAY 10 EXECUTIVE PARK
348 USHERS RD
BALLSTON LAKE, NY 12019
Phone: (518) 877-0390
Fax: (518) 877-0444
E-Mail: EEVANS@AGL.com

Bill To:
Contact:
Company: SAME
Address:
Phone:
Fax:
PO#: OM0009-001 Quote:

Shaded Areas For Internal Use Only 4 of 4

Lab Lot# 241284

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. JACKSON
Signature:
Project Name: GW PLUME DELINEATION
Project Number: OM0009-001
Project Location: MCA-BARRICK & HUNTER AAF
Lab PM: LINDA MACKLEY
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOCs 8260B	VOCs 8260B	VOCs 8260B	Additional Analyses / Remarks
		~~Dup~~ MCA-GWD19-45-1005	10-24-05	1655	W	G		3	40ml	HCl			X	NO PRESERVATIVE 5 DAY TAT
11		MCA-GWDup106-1005	↓	0846	↓	↓							↓	NO PRESERVATIVE STD TAT
12		FB 10 2305	10-23-05	1700							X			STD TAT (STANDARD TAT)
13		TB 102405A	10-24-05	1801								X		↓
14		TB 102405B	↓	1800	↓	↓						↓		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	AGL	10-24-05	1850		STL	10/25/05	0950
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
Oil = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 10 / 25 / 05
Courier: FX Hand Delivered ☐
Bill of Lading see attach

FedEx US Airbill

Express

FedEx Tracking Number 8537 8432 7995

Recipient's Copy

1 From

Date

Sender's Name

Phone

Company

Address

Dept./Floor/Suite/Room

City

State ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone

Company

Recipient's Address

Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City

State

ZIP

8537 8432 7995

4a Express Package Service

Packages up to 150 lbs. * To most locations

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service

Packages over 150 lbs. ** To most locations

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for confirmation.

* Declared value limit $500

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

Include FedEx address in Section 3.

- [x] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx Express Saver, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain Recip. Acct. No.

Total Packages	Total Weight	Total Declared Value†	Total Charges
		$ .00	

† Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-GoFedEx 1-800-463-3339.

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241289
241288
241283
241284
241285

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SEVERN TRENT LABORATORIES CHICAGO

Sample Discrepancy Report (SDR)

Lab Lot # 241284

Client Hydrogeologic Inc. **Analyses** 8260

Contact _____

Project Hunter AAF

Phone _____

Fax _____

Matrix ☒ Water ☐ Soil ☐ Other _____

Deliverable ☐ **CLP** ☒ **Standard** ☐ **Custom**

COC Received: ☒ Yes ☐ No Quote from PM: ☐ Yes ☐ No

1A Type of Discrepancy

COC/Sample		LOG-IN	Client	Unit
☐ ID Discrepancy	☐ Rec'd past Hold Time	☐ Log-in past hold time	☐ Changed Analyses	☒ Analyzed past hold time
☐ Incomplete	☐ Improper Preservative	☐ Log-in error	☐ Improper Bottle Type	☐ Missing Sample/Extract
☐ Unreadable	☐ Missing Sample/Extract		☐ Label unreadable	☐ Insufficient Sample
☐ Cooler Temp. _____oC	☐ Container Broken		☐ Insufficient Sample	
☐ Quote Discrepancy	☐ -Sample lost			
☐ Bubbles in VOA Vials	☐ -Suspect Contamination			
☐ **Other**				☐ **EDD**

1B Lab ID COC/Client ID Description of Deficiency or Discrepancy

The samples -9 and -11 were analyzed 2 days past the 7 day hold time for non-preserved waters.

Initiator: . Gary Rynkar Date: 11/8/5

2A PM Established Action Plan

☐ Cancel	☐ Bottle/jar replaced	☐ Change Test code from: _____	To: _____
☐ Add	☐ Lid replaced	☐ Change due date from: _____	To: _____
☐ Place on Hold	☐ Analyze past hold time	☐ Include in case narrative	
☐ Log-in	☐ Preserve then analyze	☐ Amend EDD	
☐ Subcontract	☐ Analyze	☐ Other _____	

2B

Name	Special Actions	Initiator Initial	Initiator Date	Completion Initial	Completion Date
1	1				
2					
3					
4					
5					
6					
7					
8					
9					

3 Distribution

☐ GC	☐ Wet Chem
☐ GC/MS	☐ Digestions
☐ Metals	☐ Extractions
☒ Distribution for QA	☐ **Other** _____

4 Final Approval of All Actions

☒ Send Copy to Client

Notes:

PM Signature: Linda S Muckley

Date: 11-8-05

ANALYTICAL REPORT

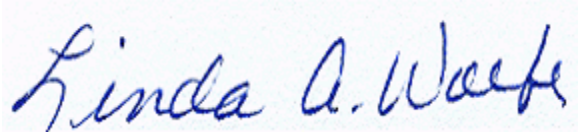
Job Number: 680-15211-1

SDG Number: HAAF13

Job Description: HGL (Hunter AAF Project)

For:
Severn Trent Laboratories, Inc.
2417 Bond Street
University Park, IL 60466

Attention: Linda Mackley



Linda Wolfe
Project Manager I
lwolfe@stl-inc.com
04/19/2006

cc: Mr. Eric Evans
Mr. Mike Jackson

Project Manager: Linda Wolfe

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

SEVERN TRENT STL

COMMERCIAL LABORATORY STIPULATION

Georgia Rules for Commercial Environmental Laboratory Accreditation
Chapter 391-3-26

LABORATORY:	STL Savannah
ACCREDITOR:	NELAC: State of Florida, Department of Health, Bureau of Laboratories
ACCREDITATION ID:	E87052
SCOPE:	Safe Drinking Water Act (SDWA) Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA) Clean Air Act (CAA)
EFFECTIVE:	July 1, 2004 **EXPIRATION DATE:** June 30, 2006

LABORATORY:	STL Savannah
ACCREDITOR:	American Association of Laboratory Accreditation (A2LA)
ACCREDITATION ID:	6883
SCOPE:	Safe Drinking Water Act (SDWA) Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA) Clean Air Act (CAA)
EFFECTIVE:	August 24, 2005 **EXPIRATION DATE:** February 28, 2007

LABORATORY:	STL Savannah
ACCREDITOR:	NELAC: State of New York, Department of Health
ACCREDITATION ID:	10842
SCOPE:	Safe Drinking Water Act (SDWA)
EFFECTIVE:	March 31, 2005 **EXPIRATION DATE:** April 1, 2006

As per the Georgia EPD Rules and Regulations for Commercial Laboratories, STL Savannah is accredited by the Florida Department of Health and the New York Department of Health under the National Environmental Laboratory Approval Program (NELAC) and by the American Association for Laboratory Accreditation (A2LA). If you have any further questions regarding accreditation status for STL Savannah, please contact your STL Savannah Project Manager.

STL Savannah
5102 LaRoche Avenue; Savannah, GA 31404
Phone: (912) 354-7858 FAX: (912) 352-0165
http://www.stl-inc.com

EXECUTIVE SUMMARY - Detections

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-15211-1	**MCA-SO018A2-0-2-0406**					
Bis(2-ethylhexyl) phthalate		45	J	390	ug/Kg	8270C
Barium		14		1.1	mg/Kg	6010B
Chromium		2.5		1.1	mg/Kg	6010B
Lead		48	B	0.56	mg/Kg	6010B
Mercury		0.029		0.021	mg/Kg	7471A
Percent Moisture		15		1.0	%	PercentMoisture
Percent Solids		85		1.0	%	PercentMoisture
680-15211-2	**MCA-SO018B2-0-2-0406**					
Arsenic		1.5		1.0	mg/Kg	6010B
Barium		16		1.0	mg/Kg	6010B
Chromium		3.5		1.0	mg/Kg	6010B
Lead		9.8	B	0.52	mg/Kg	6010B
Mercury		0.025		0.024	mg/Kg	7471A
Percent Moisture		15		1.0	%	PercentMoisture
Percent Solids		85		1.0	%	PercentMoisture
680-15211-3	**MCA-SO018C2-0-2-0406**					
Arsenic		7.0		1.2	mg/Kg	6010B
Barium		57		1.2	mg/Kg	6010B
Chromium		2.0		1.2	mg/Kg	6010B
Lead		5300	B	6.2	mg/Kg	6010B
Mercury		0.084		0.025	mg/Kg	7471A
Percent Moisture		25		1.0	%	PercentMoisture
Percent Solids		75		1.0	%	PercentMoisture
680-15211-4	**MCA-SO016A2-6-7-0406**					
Bis(2-ethylhexyl) phthalate		61	J	410	ug/Kg	8270C
Arsenic		0.86	J	1.1	mg/Kg	6010B
Barium		18		1.1	mg/Kg	6010B
Chromium		2.9		1.1	mg/Kg	6010B
Lead		8.0	B	0.57	mg/Kg	6010B
Mercury		0.067		0.023	mg/Kg	7471A
Percent Moisture		19		1.0	%	PercentMoisture
Percent Solids		81		1.0	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-15211-5	**MCA-SO016C2-6-7-0406**					
Benzo[a]anthracene		90	J	400	ug/Kg	8270C
Benzo[a]pyrene		100	J	400	ug/Kg	8270C
Benzo[b]fluoranthene		100	J	400	ug/Kg	8270C
Benzo[g,h,i]perylene		86	J	400	ug/Kg	8270C
Benzo[k]fluoranthene		97	J	400	ug/Kg	8270C
Chrysene		110	J	400	ug/Kg	8270C
Fluoranthene		160	J	400	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		85	J	400	ug/Kg	8270C
Phenanthrene		95	J	400	ug/Kg	8270C
Pyrene		130	J	400	ug/Kg	8270C
Arsenic		1.5		1.1	mg/Kg	6010B
Barium		33		1.1	mg/Kg	6010B
Chromium		8.7		1.1	mg/Kg	6010B
Lead		8.2	B	0.57	mg/Kg	6010B
Mercury		0.051		0.021	mg/Kg	7471A
Percent Moisture		17		1.0	%	PercentMoisture
Percent Solids		83		1.0	%	PercentMoisture
680-15211-6EB	**EB040106**					
4-Chloroaniline		0.80	J	19	ug/L	8270C
Chromium		1.0	J	10	ug/L	6010B
680-15211-7	**MCA-SODUP103-0406**					
Arsenic		1.7		1.1	mg/Kg	6010B
Barium		40		1.1	mg/Kg	6010B
Chromium		2.7		1.1	mg/Kg	6010B
Lead		470	B	0.55	mg/Kg	6010B
Mercury		0.054		0.023	mg/Kg	7471A
Percent Moisture		19		1.0	%	PercentMoisture
Percent Solids		81		1.0	%	PercentMoisture

METHOD SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL-SAV	SW846 8270C	
Ultrasonic Extraction	STL-SAV		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL-SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL-SAV		SW846 7471A
Percent Moisture	STL-SAV	EPA PercentMoisture	
Matrix: Water			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL-SAV	SW846 8270C	
Continuous Liquid-Liquid Extraction	STL-SAV		SW846 3520C
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Mercury in Liquid Waste (Manual Cold Vapor	STL-SAV		SW846 7470A

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-15211-1	MCA-SO018A2-0-2-0406	Solid	04/01/2006 1130	04/01/2006 1756
680-15211-2	MCA-SO018B2-0-2-0406	Solid	04/01/2006 1140	04/01/2006 1756
680-15211-3	MCA-SO018C2-0-2-0406	Solid	04/01/2006 1150	04/01/2006 1756
680-15211-4	MCA-SO016A2-6-7-0406	Solid	04/01/2006 1245	04/01/2006 1756
680-15211-5	MCA-SO016C2-6-7-0406	Solid	04/01/2006 1350	04/01/2006 1756
680-15211-6EB	EB040106	Water	04/01/2006 1400	04/01/2006 1756
680-15211-7	MCA-SODUP103-0406	Solid	04/01/2006 1300	04/01/2006 1756

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO018A2-0-2-0406**

Lab Sample ID: 680-15211-1
Client Matrix: Solid % Moisture: 14.8

Date Sampled: 04/01/2006 1130
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1344
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2782.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		390	U	25	390
1,2-Dichlorobenzene		390	U	27	390
1,3-Dichlorobenzene		390	U	31	390
Benzidine		3200	U	97	3200
Benzoic acid		2000	U	200	2000
1,4-Dichlorobenzene		390	U	26	390
2,4,5-Trichlorophenol		390	U	38	390
2,4,6-Trichlorophenol		390	U	23	390
2,4-Dichlorophenol		390	U	27	390
2,4-Dimethylphenol		390	U	41	390
2,4-Dinitrophenol		2000	U	200	2000
2,4-Dinitrotoluene		390	U	22	390
2,6-Dinitrotoluene		390	U	39	390
Carbazole		390	U	33	390
2-Chlorophenol		390	U	32	390
2-Chloronaphthalene		390	U	28	390
2-Methylnaphthalene		390	U	28	390
2-Methylphenol		390	U	35	390
2-Nitroaniline		2000	U	27	2000
2-Nitrophenol		390	U	23	390
3 & 4 Methylphenol		390	U	34	390
3,3'-Dichlorobenzidine		770	U	35	770
3-Nitroaniline		2000	U	39	2000
4,6-Dinitro-2-methylphenol		2000	U	230	2000
4-Bromophenyl phenyl ether		390	U	36	390
4-Chloro-3-methylphenol		390	U	40	390
4-Chloroaniline		770	U	31	770
4-Chlorophenyl phenyl ether		390	U	22	390
4-Nitroaniline		2000	U	20	2000
4-Nitrophenol		2000	U	250	2000
Acenaphthene		390	U	22	390
Acenaphthylene		390	U	20	390
Anthracene		390	U	27	390
Benzo[a]anthracene		390	U	36	390
Benzo[a]pyrene		390	U	22	390
Benzo[b]fluoranthene		390	U	31	390
Benzo[g,h,i]perylene		390	U	27	390
Benzo[k]fluoranthene		390	U	42	390
Benzyl alcohol		390	U	45	390
Bis(2-chloroethoxy)methane		390	U	28	390
Bis(2-chloroethyl)ether		390	U	33	390
Bis(2-ethylhexyl) phthalate		45	J	45	390
Chrysene		390	U	29	390

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO018A2-0-2-0406

Lab Sample ID: 680-15211-1
Client Matrix: Solid % Moisture: 14.8

Date Sampled: 04/01/2006 1130
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1344
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2782.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenz(a,h)anthracene		390	U	28	390
Dibenzofuran		390	U	22	390
Di-n-butyl phthalate		390	U	33	390
Diethyl phthalate		390	U	26	390
Dimethyl phthalate		390	U	22	390
Di-n-octyl phthalate		390	U	36	390
Fluoranthene		390	U	31	390
Fluorene		390	U	26	390
Hexachlorobenzene		390	U	31	390
Hexachlorobutadiene		390	U	23	390
Hexachlorocyclopentadiene		390	U	97	390
Hexachloroethane		390	U	23	390
Indeno[1,2,3-cd]pyrene		390	U	31	390
Isophorone		390	U	26	390
Naphthalene		390	U	22	390
Nitrobenzene		390	U	41	390
N-Nitrosodiphenylamine		390	U	27	390
N-Nitrosodi-n-propylamine		390	U	33	390
Pentachlorophenol		2000	U	97	2000
Phenanthrene		390	U	34	390
Phenol		390	U	35	390
Pyrene		390	U	23	390
Butyl benzyl phthalate		390	U	32	390
bis(chloroisopropyl) ether		390	U	41	390

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	39	27 - 124
2-Fluorobiphenyl	42	38 - 104
2-Fluorophenol	48	36 - 101
Terphenyl-d14	50	40 - 129
Phenol-d5	46	38 - 102
Nitrobenzene-d5	39	33 - 94

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO018B2-0-2-0406**

Lab Sample ID: 680-15211-2
Client Matrix: Solid % Moisture: 15.0

Date Sampled: 04/01/2006 1140
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1410
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2783.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		390	U	25	390
1,2-Dichlorobenzene		390	U	27	390
1,3-Dichlorobenzene		390	U	30	390
Benzidine		3200	U	97	3200
Benzoic acid		2000	U	200	2000
1,4-Dichlorobenzene		390	U	26	390
2,4,5-Trichlorophenol		390	U	38	390
2,4,6-Trichlorophenol		390	U	23	390
2,4-Dichlorophenol		390	U	27	390
2,4-Dimethylphenol		390	U	41	390
2,4-Dinitrophenol		2000	U	200	2000
2,4-Dinitrotoluene		390	U	22	390
2,6-Dinitrotoluene		390	U	39	390
Carbazole		390	U	33	390
2-Chlorophenol		390	U	32	390
2-Chloronaphthalene		390	U	28	390
2-Methylnaphthalene		390	U	28	390
2-Methylphenol		390	U	35	390
2-Nitroaniline		2000	U	27	2000
2-Nitrophenol		390	U	23	390
3 & 4 Methylphenol		390	U	34	390
3,3'-Dichlorobenzidine		770	U	35	770
3-Nitroaniline		2000	U	39	2000
4,6-Dinitro-2-methylphenol		2000	U	230	2000
4-Bromophenyl phenyl ether		390	U	36	390
4-Chloro-3-methylphenol		390	U	40	390
4-Chloroaniline		770	U	30	770
4-Chlorophenyl phenyl ether		390	U	22	390
4-Nitroaniline		2000	U	20	2000
4-Nitrophenol		2000	U	250	2000
Acenaphthene		390	U	22	390
Acenaphthylene		390	U	20	390
Anthracene		390	U	27	390
Benzo[a]anthracene		390	U	36	390
Benzo[a]pyrene		390	U	22	390
Benzo[b]fluoranthene		390	U	30	390
Benzo[g,h,i]perylene		390	U	27	390
Benzo[k]fluoranthene		390	U	42	390
Benzyl alcohol		390	U	45	390
Bis(2-chloroethoxy)methane		390	U	28	390
Bis(2-chloroethyl)ether		390	U	33	390
Bis(2-ethylhexyl) phthalate		390	U	45	390
Chrysene		390	U	29	390

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO018B2-0-2-0406

Lab Sample ID: 680-15211-2
Client Matrix: Solid % Moisture: 15.0

Date Sampled: 04/01/2006 1140
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1410
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2783.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenz(a,h)anthracene		390	U	28	390
Dibenzofuran		390	U	22	390
Di-n-butyl phthalate		390	U	33	390
Diethyl phthalate		390	U	26	390
Dimethyl phthalate		390	U	22	390
Di-n-octyl phthalate		390	U	36	390
Fluoranthene		390	U	30	390
Fluorene		390	U	26	390
Hexachlorobenzene		390	U	30	390
Hexachlorobutadiene		390	U	23	390
Hexachlorocyclopentadiene		390	U	97	390
Hexachloroethane		390	U	23	390
Indeno[1,2,3-cd]pyrene		390	U	30	390
Isophorone		390	U	26	390
Naphthalene		390	U	22	390
Nitrobenzene		390	U	41	390
N-Nitrosodiphenylamine		390	U	27	390
N-Nitrosodi-n-propylamine		390	U	33	390
Pentachlorophenol		2000	U	97	2000
Phenanthrene		390	U	34	390
Phenol		390	U	35	390
Pyrene		390	U	23	390
Butyl benzyl phthalate		390	U	32	390
bis(chloroisopropyl) ether		390	U	41	390

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	43	27 - 124
2-Fluorobiphenyl	49	38 - 104
2-Fluorophenol	50	36 - 101
Terphenyl-d14	55	40 - 129
Phenol-d5	49	38 - 102
Nitrobenzene-d5	42	33 - 94

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO018C2-0-2-0406**

Lab Sample ID: 680-15211-3
Client Matrix: Solid % Moisture: 25.2

Date Sampled: 04/01/2006 1150
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1435
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2784.d
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		440	U	28	440
1,2-Dichlorobenzene		440	U	31	440
1,3-Dichlorobenzene		440	U	35	440
Benzidine		3600	U	110	3600
Benzoic acid		2300	U	230	2300
1,4-Dichlorobenzene		440	U	29	440
2,4,5-Trichlorophenol		440	U	43	440
2,4,6-Trichlorophenol		440	U	27	440
2,4-Dichlorophenol		440	U	31	440
2,4-Dimethylphenol		440	U	46	440
2,4-Dinitrophenol		2300	U	230	2300
2,4-Dinitrotoluene		440	U	25	440
2,6-Dinitrotoluene		440	U	44	440
Carbazole		440	U	37	440
2-Chlorophenol		440	U	36	440
2-Chloronaphthalene		440	U	32	440
2-Methylnaphthalene		440	U	32	440
2-Methylphenol		440	U	40	440
2-Nitroaniline		2300	U	31	2300
2-Nitrophenol		440	U	27	440
3 & 4 Methylphenol		440	U	39	440
3,3'-Dichlorobenzidine		880	U	40	880
3-Nitroaniline		2300	U	44	2300
4,6-Dinitro-2-methylphenol		2300	U	270	2300
4-Bromophenyl phenyl ether		440	U	41	440
4-Chloro-3-methylphenol		440	U	45	440
4-Chloroaniline		880	U	35	880
4-Chlorophenyl phenyl ether		440	U	25	440
4-Nitroaniline		2300	U	23	2300
4-Nitrophenol		2300	U	280	2300
Acenaphthene		440	U	25	440
Acenaphthylene		440	U	23	440
Anthracene		440	U	31	440
Benzo[a]anthracene		440	U	41	440
Benzo[a]pyrene		440	U	25	440
Benzo[b]fluoranthene		440	U	35	440
Benzo[g,h,i]perylene		440	U	31	440
Benzo[k]fluoranthene		440	U	48	440
Benzyl alcohol		440	U	50	440
Bis(2-chloroethoxy)methane		440	U	32	440
Bis(2-chloroethyl)ether		440	U	37	440
Bis(2-ethylhexyl) phthalate		440	U	50	440
Chrysene		440	U	33	440

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO018C2-0-2-0406**

Lab Sample ID: 680-15211-3
Client Matrix: Solid % Moisture: 25.2

Date Sampled: 04/01/2006 1150
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1435
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2784.d
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenz(a,h)anthracene		440	U	32	440
Dibenzofuran		440	U	25	440
Di-n-butyl phthalate		440	U	37	440
Diethyl phthalate		440	U	29	440
Dimethyl phthalate		440	U	25	440
Di-n-octyl phthalate		440	U	41	440
Fluoranthene		440	U	35	440
Fluorene		440	U	29	440
Hexachlorobenzene		440	U	35	440
Hexachlorobutadiene		440	U	27	440
Hexachlorocyclopentadiene		440	U	110	440
Hexachloroethane		440	U	27	440
Indeno[1,2,3-cd]pyrene		440	U	35	440
Isophorone		440	U	29	440
Naphthalene		440	U	25	440
Nitrobenzene		440	U	46	440
N-Nitrosodiphenylamine		440	U	31	440
N-Nitrosodi-n-propylamine		440	U	37	440
Pentachlorophenol		2300	U	110	2300
Phenanthrene		440	U	39	440
Phenol		440	U	40	440
Pyrene		440	U	27	440
Butyl benzyl phthalate		440	U	36	440
bis(chloroisopropyl) ether		440	U	46	440

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	43	27 - 124
2-Fluorobiphenyl	40	38 - 104
2-Fluorophenol	41	36 - 101
Terphenyl-d14	47	40 - 129
Phenol-d5	43	38 - 102
Nitrobenzene-d5	36	33 - 94

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO016A2-6-7-0406**

Lab Sample ID: 680-15211-4
Client Matrix: Solid % Moisture: 19.1

Date Sampled: 04/01/2006 1245
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1501
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2785.d
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		410	U	26	410
1,2-Dichlorobenzene		410	U	28	410
1,3-Dichlorobenzene		410	U	32	410
Benzidine		3300	U	100	3300
Benzoic acid		2100	U	210	2100
1,4-Dichlorobenzene		410	U	27	410
2,4,5-Trichlorophenol		410	U	40	410
2,4,6-Trichlorophenol		410	U	25	410
2,4-Dichlorophenol		410	U	28	410
2,4-Dimethylphenol		410	U	43	410
2,4-Dinitrophenol		2100	U	210	2100
2,4-Dinitrotoluene		410	U	23	410
2,6-Dinitrotoluene		410	U	41	410
Carbazole		410	U	35	410
2-Chlorophenol		410	U	33	410
2-Chloronaphthalene		410	U	30	410
2-Methylnaphthalene		410	U	30	410
2-Methylphenol		410	U	37	410
2-Nitroaniline		2100	U	28	2100
2-Nitrophenol		410	U	25	410
3 & 4 Methylphenol		410	U	36	410
3,3'-Dichlorobenzidine		820	U	37	820
3-Nitroaniline		2100	U	41	2100
4,6-Dinitro-2-methylphenol		2100	U	250	2100
4-Bromophenyl phenyl ether		410	U	38	410
4-Chloro-3-methylphenol		410	U	42	410
4-Chloroaniline		820	U	32	820
4-Chlorophenyl phenyl ether		410	U	23	410
4-Nitroaniline		2100	U	21	2100
4-Nitrophenol		2100	U	260	2100
Acenaphthene		410	U	23	410
Acenaphthylene		410	U	21	410
Anthracene		410	U	28	410
Benzo[a]anthracene		410	U	38	410
Benzo[a]pyrene		410	U	23	410
Benzo[b]fluoranthene		410	U	32	410
Benzo[g,h,i]perylene		410	U	28	410
Benzo[k]fluoranthene		410	U	44	410
Benzyl alcohol		410	U	47	410
Bis(2-chloroethoxy)methane		410	U	30	410
Bis(2-chloroethyl)ether		410	U	35	410
Bis(2-ethylhexyl) phthalate		61	J	47	410
Chrysene		410	U	31	410

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO016A2-6-7-0406**

Lab Sample ID: 680-15211-4
Client Matrix: Solid % Moisture: 19.1

Date Sampled: 04/01/2006 1245
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1501
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2785.d
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenz(a,h)anthracene		410	U	30	410
Dibenzofuran		410	U	23	410
Di-n-butyl phthalate		410	U	35	410
Diethyl phthalate		410	U	27	410
Dimethyl phthalate		410	U	23	410
Di-n-octyl phthalate		410	U	38	410
Fluoranthene		410	U	32	410
Fluorene		410	U	27	410
Hexachlorobenzene		410	U	32	410
Hexachlorobutadiene		410	U	25	410
Hexachlorocyclopentadiene		410	U	100	410
Hexachloroethane		410	U	25	410
Indeno[1,2,3-cd]pyrene		410	U	32	410
Isophorone		410	U	27	410
Naphthalene		410	U	23	410
Nitrobenzene		410	U	43	410
N-Nitrosodiphenylamine		410	U	28	410
N-Nitrosodi-n-propylamine		410	U	35	410
Pentachlorophenol		2100	U	100	2100
Phenanthrene		410	U	36	410
Phenol		410	U	37	410
Pyrene		410	U	25	410
Butyl benzyl phthalate		410	U	33	410
bis(chloroisopropyl) ether		410	U	43	410

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	52	27 - 124
2-Fluorobiphenyl	47	38 - 104
2-Fluorophenol	49	36 - 101
Terphenyl-d14	56	40 - 129
Phenol-d5	52	38 - 102
Nitrobenzene-d5	43	33 - 94

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SO016C2-6-7-0406**

Lab Sample ID: 680-15211-5
Client Matrix: Solid % Moisture: 17.2

Date Sampled: 04/01/2006 1350
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1527
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2786.d
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		400	U	25	400
1,2-Dichlorobenzene		400	U	28	400
1,3-Dichlorobenzene		400	U	31	400
Benzidine		3300	U	100	3300
Benzoic acid		2100	U	210	2100
1,4-Dichlorobenzene		400	U	27	400
2,4,5-Trichlorophenol		400	U	39	400
2,4,6-Trichlorophenol		400	U	24	400
2,4-Dichlorophenol		400	U	28	400
2,4-Dimethylphenol		400	U	42	400
2,4-Dinitrophenol		2100	U	210	2100
2,4-Dinitrotoluene		400	U	23	400
2,6-Dinitrotoluene		400	U	40	400
Carbazole		400	U	34	400
2-Chlorophenol		400	U	33	400
2-Chloronaphthalene		400	U	29	400
2-Methylnaphthalene		400	U	29	400
2-Methylphenol		400	U	36	400
2-Nitroaniline		2100	U	28	2100
2-Nitrophenol		400	U	24	400
3 & 4 Methylphenol		400	U	35	400
3,3'-Dichlorobenzidine		800	U	36	800
3-Nitroaniline		2100	U	40	2100
4,6-Dinitro-2-methylphenol		2100	U	240	2100
4-Bromophenyl phenyl ether		400	U	37	400
4-Chloro-3-methylphenol		400	U	41	400
4-Chloroaniline		800	U	31	800
4-Chlorophenyl phenyl ether		400	U	23	400
4-Nitroaniline		2100	U	21	2100
4-Nitrophenol		2100	U	250	2100
Acenaphthene		400	U	23	400
Acenaphthylene		400	U	21	400
Anthracene		400	U	28	400
Benzo[a]anthracene		90	J	37	400
Benzo[a]pyrene		100	J	23	400
Benzo[b]fluoranthene		100	J	31	400
Benzo[g,h,i]perylene		86	J	28	400
Benzo[k]fluoranthene		97	J	43	400
Benzyl alcohol		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	29	400
Bis(2-chloroethyl)ether		400	U	34	400
Bis(2-ethylhexyl) phthalate		400	U	46	400
Chrysene		110	J	30	400

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO016C2-6-7-0406

Lab Sample ID: 680-15211-5
Client Matrix: Solid % Moisture: 17.2

Date Sampled: 04/01/2006 1350
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1527
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2786.d
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenz(a,h)anthracene		400	U	29	400
Dibenzofuran		400	U	23	400
Di-n-butyl phthalate		400	U	34	400
Diethyl phthalate		400	U	27	400
Dimethyl phthalate		400	U	23	400
Di-n-octyl phthalate		400	U	37	400
Fluoranthene		160	J	31	400
Fluorene		400	U	27	400
Hexachlorobenzene		400	U	31	400
Hexachlorobutadiene		400	U	24	400
Hexachlorocyclopentadiene		400	U	100	400
Hexachloroethane		400	U	24	400
Indeno[1,2,3-cd]pyrene		85	J	31	400
Isophorone		400	U	27	400
Naphthalene		400	U	23	400
Nitrobenzene		400	U	42	400
N-Nitrosodiphenylamine		400	U	28	400
N-Nitrosodi-n-propylamine		400	U	34	400
Pentachlorophenol		2100	U	100	2100
Phenanthrene		95	J	35	400
Phenol		400	U	36	400
Pyrene		130	J	24	400
Butyl benzyl phthalate		400	U	33	400
bis(chloroisopropyl) ether		400	U	42	400

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	42	27 - 124
2-Fluorobiphenyl	42	38 - 104
2-Fluorophenol	46	36 - 101
Terphenyl-d14	48	40 - 129
Phenol-d5	44	38 - 102
Nitrobenzene-d5	37	33 - 94

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **EB040106**

Lab Sample ID: 680-15211-6EB
Client Matrix: Water

Date Sampled: 04/01/2006 1400
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/06/2006 1744
Date Prepared: 04/04/2006 1230

Analysis Batch: 680-41122
Prep Batch: 680-40876

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2733.d
Initial Weight/Volume: 1050 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	9.5	U	0.51	9.5
1,2-Dichlorobenzene	9.5	U	0.95	9.5
1,3-Dichlorobenzene	9.5	U	0.52	9.5
Benzidine	76	U *	13	76
Benzoic acid	48	U	2.4	48
1,4-Dichlorobenzene	9.5	U	0.50	9.5
2,4,5-Trichlorophenol	9.5	U	0.60	9.5
2,4,6-Trichlorophenol	9.5	U	0.67	9.5
2,4-Dichlorophenol	9.5	U	0.63	9.5
2,4-Dimethylphenol	9.5	U	0.95	9.5
2,4-Dinitrophenol	48	U	4.8	48
2,4-Dinitrotoluene	9.5	U	0.53	9.5
2,6-Dinitrotoluene	9.5	U	0.54	9.5
Carbazole	9.5	U	0.78	9.5
2-Chlorophenol	9.5	U	0.69	9.5
2-Chloronaphthalene	9.5	U	0.59	9.5
2-Methylnaphthalene	9.5	U	0.50	9.5
2-Methylphenol	9.5	U	0.67	9.5
2-Nitroaniline	48	U	0.66	48
2-Nitrophenol	9.5	U	0.70	9.5
3 & 4 Methylphenol	9.5	U	0.63	9.5
3,3'-Dichlorobenzidine	19	U	0.95	19
3-Nitroaniline	48	U	0.66	48
4,6-Dinitro-2-methylphenol	48	U	0.95	48
4-Bromophenyl phenyl ether	9.5	U	0.81	9.5
4-Chloro-3-methylphenol	9.5	U	0.52	9.5
4-Chloroaniline	0.80	J	0.50	19
4-Chlorophenyl phenyl ether	9.5	U	0.53	9.5
4-Nitroaniline	48	U	0.81	48
4-Nitrophenol	48	U	3.2	48
Acenaphthene	9.5	U	0.61	9.5
Acenaphthylene	9.5	U	0.55	9.5
Anthracene	9.5	U	0.84	9.5
Benzo[a]anthracene	9.5	U	0.55	9.5
Benzo[a]pyrene	9.5	U	0.95	9.5
Benzo[b]fluoranthene	9.5	U	0.74	9.5
Benzo[g,h,i]perylene	9.5	U	0.95	9.5
Benzo[k]fluoranthene	9.5	U	0.70	9.5
Benzyl alcohol	9.5	U	0.76	9.5
Bis(2-chloroethoxy)methane	9.5	U	0.74	9.5
Bis(2-chloroethyl)ether	9.5	U	0.69	9.5
Bis(2-ethylhexyl) phthalate	9.5	U	0.93	9.5
Chrysene	9.5	U	0.95	9.5

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: EB040106

Lab Sample ID: 680-15211-6EB
Client Matrix: Water

Date Sampled: 04/01/2006 1400
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/06/2006 1744
Date Prepared: 04/04/2006 1230

Analysis Batch: 680-41122
Prep Batch: 680-40876

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2733.d
Initial Weight/Volume: 1050 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenz(a,h)anthracene	9.5	U	0.95	9.5
Dibenzofuran	9.5	U	0.66	9.5
Di-n-butyl phthalate	9.5	U	0.78	9.5
Diethyl phthalate	9.5	U	0.56	9.5
Dimethyl phthalate	9.5	U	0.56	9.5
Di-n-octyl phthalate	9.5	U	0.76	9.5
Fluoranthene	9.5	U	0.95	9.5
Fluorene	9.5	U	0.52	9.5
Hexachlorobenzene	9.5	U	1.0	9.5
Hexachlorobutadiene	9.5	U	0.95	9.5
Hexachlorocyclopentadiene	9.5	U	4.8	9.5
Hexachloroethane	9.5	U	0.95	9.5
Indeno[1,2,3-cd]pyrene	9.5	U	0.59	9.5
Isophorone	9.5	U	0.64	9.5
Naphthalene	9.5	U	0.72	9.5
Nitrobenzene	9.5	U	0.89	9.5
N-Nitrosodiphenylamine	9.5	U	0.76	9.5
N-Nitrosodi-n-propylamine	9.5	U	0.59	9.5
Pentachlorophenol	48	U	2.4	48
Phenanthrene	9.5	U	0.70	9.5
Phenol	9.5	U	0.94	9.5
Pyrene	9.5	U	0.95	9.5
Butyl benzyl phthalate	9.5	U	0.67	9.5
bis(chloroisopropyl) ether	9.5	U	0.78	9.5

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	86	55 - 126
2-Fluorobiphenyl	79	59 - 103
2-Fluorophenol	84	56 - 100
Terphenyl-d14	93	10 - 154
Phenol-d5	91	55 - 104
Nitrobenzene-d5	89	60 - 102

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SODUP103-0406**

Lab Sample ID: 680-15211-7
Client Matrix: Solid % Moisture: 18.8

Date Sampled: 04/01/2006 1300
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1552
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2787.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		400	U	26	400
1,2-Dichlorobenzene		400	U	28	400
1,3-Dichlorobenzene		400	U	32	400
Benzidine		3300	U	100	3300
Benzoic acid		2100	U	210	2100
1,4-Dichlorobenzene		400	U	27	400
2,4,5-Trichlorophenol		400	U	39	400
2,4,6-Trichlorophenol		400	U	25	400
2,4-Dichlorophenol		400	U	28	400
2,4-Dimethylphenol		400	U	43	400
2,4-Dinitrophenol		2100	U	210	2100
2,4-Dinitrotoluene		400	U	23	400
2,6-Dinitrotoluene		400	U	40	400
Carbazole		400	U	34	400
2-Chlorophenol		400	U	33	400
2-Chloronaphthalene		400	U	29	400
2-Methylnaphthalene		400	U	29	400
2-Methylphenol		400	U	37	400
2-Nitroaniline		2100	U	28	2100
2-Nitrophenol		400	U	25	400
3 & 4 Methylphenol		400	U	36	400
3,3'-Dichlorobenzidine		810	U	37	810
3-Nitroaniline		2100	U	40	2100
4,6-Dinitro-2-methylphenol		2100	U	250	2100
4-Bromophenyl phenyl ether		400	U	38	400
4-Chloro-3-methylphenol		400	U	42	400
4-Chloroaniline		810	U	32	810
4-Chlorophenyl phenyl ether		400	U	23	400
4-Nitroaniline		2100	U	21	2100
4-Nitrophenol		2100	U	260	2100
Acenaphthene		400	U	23	400
Acenaphthylene		400	U	21	400
Anthracene		400	U	28	400
Benzo[a]anthracene		400	U	38	400
Benzo[a]pyrene		400	U	23	400
Benzo[b]fluoranthene		400	U	32	400
Benzo[g,h,i]perylene		400	U	28	400
Benzo[k]fluoranthene		400	U	44	400
Benzyl alcohol		400	U	47	400
Bis(2-chloroethoxy)methane		400	U	29	400
Bis(2-chloroethyl)ether		400	U	34	400
Bis(2-ethylhexyl) phthalate		400	U	47	400
Chrysene		400	U	31	400

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: **MCA-SODUP103-0406**

Lab Sample ID: 680-15211-7
Client Matrix: Solid % Moisture: 18.8

Date Sampled: 04/01/2006 1300
Date Received: 04/01/2006 1756

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/11/2006 1552
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2787.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenz(a,h)anthracene		400	U	29	400
Dibenzofuran		400	U	23	400
Di-n-butyl phthalate		400	U	34	400
Diethyl phthalate		400	U	27	400
Dimethyl phthalate		400	U	23	400
Di-n-octyl phthalate		400	U	38	400
Fluoranthene		400	U	32	400
Fluorene		400	U	27	400
Hexachlorobenzene		400	U	32	400
Hexachlorobutadiene		400	U	25	400
Hexachlorocyclopentadiene		400	U	100	400
Hexachloroethane		400	U	25	400
Indeno[1,2,3-cd]pyrene		400	U	32	400
Isophorone		400	U	27	400
Naphthalene		400	U	23	400
Nitrobenzene		400	U	43	400
N-Nitrosodiphenylamine		400	U	28	400
N-Nitrosodi-n-propylamine		400	U	34	400
Pentachlorophenol		2100	U	100	2100
Phenanthrene		400	U	36	400
Phenol		400	U	37	400
Pyrene		400	U	25	400
Butyl benzyl phthalate		400	U	33	400
bis(chloroisopropyl) ether		400	U	43	400

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	54	27 - 124
2-Fluorobiphenyl	48	38 - 104
2-Fluorophenol	48	36 - 101
Terphenyl-d14	50	40 - 129
Phenol-d5	49	38 - 102
Nitrobenzene-d5	48	33 - 94

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO018A2-0-2-0406

Lab Sample ID: 680-15211-1
Client Matrix: Solid % Moisture: 14.8

Date Sampled: 04/01/2006 1130
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/07/2006 0221
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.1	U	0.75	1.1
Barium		14		0.34	1.1
Cadmium		0.56	U	0.25	0.56
Chromium		2.5		0.15	1.1
Lead		48	B	0.23	0.56
Selenium		2.8	U	1.0	2.8
Silver		1.1	U	0.11	1.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/12/2006 1520
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.13 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.029		0.0042	0.021

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO018B2-0-2-0406

Lab Sample ID: 680-15211-2
Client Matrix: Solid % Moisture: 15.0

Date Sampled: 04/01/2006 1140
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/07/2006 0843
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.13 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.5		0.70	1.0
Barium		16		0.31	1.0
Cadmium		0.52	U	0.23	0.52
Chromium		3.5		0.14	1.0
Lead		9.8	B	0.22	0.52
Selenium		2.6	U	0.94	2.6
Silver		1.0	U	0.10	1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/12/2006 1523
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025		0.0047	0.024

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO018C2-0-2-0406

Lab Sample ID: 680-15211-3
Client Matrix: Solid % Moisture: 25.2

Date Sampled: 04/01/2006 1150
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/07/2006 0249
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		7.0		0.84	1.2
Barium		57		0.37	1.2
Cadmium		0.62	U	0.27	0.62
Chromium		2.0		0.16	1.2
Selenium		3.1	U	1.1	3.1
Silver		1.2	U	0.12	1.2

Method: 6010B
Preparation: 3050B
Dilution: 10
Date Analyzed: 04/07/2006 0901
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		5300	B	2.6	6.2

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/12/2006 1531
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.084		0.0049	0.025

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO016A2-6-7-0406

Lab Sample ID: 680-15211-4
Client Matrix: Solid % Moisture: 19.1

Date Sampled: 04/01/2006 1245
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/07/2006 0254
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.86	J	0.77	1.1
Barium		18		0.34	1.1
Cadmium		0.57	U	0.25	0.57
Chromium		2.9		0.15	1.1
Lead		8.0	B	0.24	0.57
Selenium		2.9	U	1.0	2.9
Silver		1.1	U	0.11	1.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/12/2006 1533
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.067		0.0046	0.023

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SO016C2-6-7-0406

Lab Sample ID: 680-15211-5
Client Matrix: Solid % Moisture: 17.2

Date Sampled: 04/01/2006 1350
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/07/2006 0906
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.5		0.76	1.1
Barium		33		0.34	1.1
Cadmium		0.57	U	0.25	0.57
Chromium		8.7		0.15	1.1
Lead		8.2	B	0.24	0.57
Selenium		2.8	U	1.0	2.8
Silver		1.1	U	0.11	1.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/12/2006 1536
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.16 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051		0.0042	0.021

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: EB040106

Lab Sample ID: 680-15211-6EB
Client Matrix: Water

Date Sampled: 04/01/2006 1400
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 04/06/2006 2330
Date Prepared: 04/05/2006 1206

Analysis Batch: 680-41278
Prep Batch: 680-40986

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	10	U	5.2	10
Barium	10	U	1.2	10
Cadmium	5.0	U	1.0	5.0
Chromium	1.0	J	0.95	10
Lead	5.0	U	3.5	5.0
Selenium	10	U	5.4	10
Silver	10	U	1.0	10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 04/13/2006 1530
Date Prepared: 04/12/2006 1301

Analysis Batch: 680-41986
Prep Batch: 680-41722

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	1.0	U	0.40	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Client Sample ID: MCA-SODUP103-0406

Lab Sample ID: 680-15211-7
Client Matrix: Solid % Moisture: 18.8

Date Sampled: 04/01/2006 1300
Date Received: 04/01/2006 1756

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/07/2006 0910
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.7		0.74	1.1
Barium		40		0.33	1.1
Cadmium		0.55	U	0.24	0.55
Chromium		2.7		0.14	1.1
Lead		470	B	0.23	0.55
Selenium		2.7	U	0.99	2.7
Silver		1.1	U	0.11	1.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/12/2006 1539
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.054		0.0046	0.023

General Chemistry

Client Sample ID: MCA-SO018A2-0-2-0406

Lab Sample ID: 680-15211-1
Client Matrix: Solid

Date Sampled: 04/01/2006 1130
Date Received: 04/01/2006 1756

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				
Percent Solids	85		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				

Client Sample ID: MCA-SO018B2-0-2-0406

Lab Sample ID: 680-15211-2
Client Matrix: Solid

Date Sampled: 04/01/2006 1140
Date Received: 04/01/2006 1756

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				
Percent Solids	85		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				

Client Sample ID: MCA-SO018C2-0-2-0406

Lab Sample ID: 680-15211-3
Client Matrix: Solid

Date Sampled: 04/01/2006 1150
Date Received: 04/01/2006 1756

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				
Percent Solids	75		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				

General Chemistry

Client Sample ID: MCA-SO016A2-6-7-0406

Lab Sample ID: 680-15211-4
Client Matrix: Solid

Date Sampled: 04/01/2006 1245
Date Received: 04/01/2006 1756

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				
Percent Solids	81		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				

Client Sample ID: MCA-SO016C2-6-7-0406

Lab Sample ID: 680-15211-5
Client Matrix: Solid

Date Sampled: 04/01/2006 1350
Date Received: 04/01/2006 1756

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				
Percent Solids	83		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				

Client Sample ID: MCA-SODUP103-0406

Lab Sample ID: 680-15211-7
Client Matrix: Solid

Date Sampled: 04/01/2006 1300
Date Received: 04/01/2006 1756

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				
Percent Solids	81		%	1.0	1.0	1.0	PercentMoistur
	Anly Batch: 680-40901	Date Analyzed	04/04/2006 1437				

DATA REPORTING QUALIFIERS

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Analyte was not detected at or above the reporting limit.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	U	Analyte was not detected at or above the reporting limit.
	B	Compound was found in the blank and sample.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	N	MS, MSD: Spike recovery exceeds upper or lower control limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS Semi VOA				
Prep Batch: 680-40876				
LCS 680-40876/5-A	Lab Control Spike	Water	3520C	
MB 680-40876/4-A	Method Blank	Water	3520C	
680-15211-6EB	EB040106	Water	3520C	
Prep Batch: 680-41410				
LCS 680-41410/18-A	Lab Control Spike	Solid	3550B	
MB 680-41410/17-A	Method Blank	Solid	3550B	
680-15211-1	MCA-SO018A2-0-2-0406	Solid	3550B	
680-15211-1MS	Matrix Spike	Solid	3550B	
680-15211-1MSD	Matrix Spike Duplicate	Solid	3550B	
680-15211-2	MCA-SO018B2-0-2-0406	Solid	3550B	
680-15211-3	MCA-SO018C2-0-2-0406	Solid	3550B	
680-15211-4	MCA-SO016A2-6-7-0406	Solid	3550B	
680-15211-5	MCA-SO016C2-6-7-0406	Solid	3550B	
680-15211-7	MCA-SODUP103-0406	Solid	3550B	
Analysis Batch:680-41122				
LCS 680-40876/5-A	Lab Control Spike	Water	8270C	680-40876
MB 680-40876/4-A	Method Blank	Water	8270C	680-40876
680-15211-6EB	EB040106	Water	8270C	680-40876
Analysis Batch:680-41663				
LCS 680-41410/18-A	Lab Control Spike	Solid	8270C	680-41410
MB 680-41410/17-A	Method Blank	Solid	8270C	680-41410
680-15211-1	MCA-SO018A2-0-2-0406	Solid	8270C	680-41410
680-15211-1MS	Matrix Spike	Solid	8270C	680-41410
680-15211-1MSD	Matrix Spike Duplicate	Solid	8270C	680-41410
680-15211-2	MCA-SO018B2-0-2-0406	Solid	8270C	680-41410
680-15211-3	MCA-SO018C2-0-2-0406	Solid	8270C	680-41410
680-15211-4	MCA-SO016A2-6-7-0406	Solid	8270C	680-41410
680-15211-5	MCA-SO016C2-6-7-0406	Solid	8270C	680-41410
680-15211-7	MCA-SODUP103-0406	Solid	8270C	680-41410

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
Metals				
Prep Batch: 680-40986				
LCS 680-40986/5-A	Lab Control Spike	Water	3010A	
MB 680-40986/4-A	Method Blank	Water	3010A	
680-15211-6EB	EB040106	Water	3010A	
Prep Batch: 680-41110				
LCS 680-41110/8-A	Lab Control Spike	Solid	3050B	
MB 680-41110/7-A	Method Blank	Solid	3050B	
680-15211-1	MCA-SO018A2-0-2-0406	Solid	3050B	
680-15211-2	MCA-SO018B2-0-2-0406	Solid	3050B	
680-15211-2MS	Matrix Spike	Solid	3050B	
680-15211-2MSD	Matrix Spike Duplicate	Solid	3050B	
680-15211-3	MCA-SO018C2-0-2-0406	Solid	3050B	
680-15211-4	MCA-SO016A2-6-7-0406	Solid	3050B	
680-15211-5	MCA-SO016C2-6-7-0406	Solid	3050B	
680-15211-7	MCA-SODUP103-0406	Solid	3050B	
Prep Batch: 680-41616				
LCS 680-41616/19-A	Lab Control Spike	Solid	7471A	
LCSD 680-41616/20-A	Lab Control Spike Duplicate	Solid	7471A	
MB 680-41616/18-A	Method Blank	Solid	7471A	
680-15211-1	MCA-SO018A2-0-2-0406	Solid	7471A	
680-15211-2	MCA-SO018B2-0-2-0406	Solid	7471A	
680-15211-3	MCA-SO018C2-0-2-0406	Solid	7471A	
680-15211-4	MCA-SO016A2-6-7-0406	Solid	7471A	
680-15211-5	MCA-SO016C2-6-7-0406	Solid	7471A	
680-15211-7	MCA-SODUP103-0406	Solid	7471A	
680-15211-7MS	Matrix Spike	Solid	7471A	
680-15211-7MSD	Matrix Spike Duplicate	Solid	7471A	
Prep Batch: 680-41722				
LCS 680-41722/14-A	Lab Control Spike	Water	7470A	
MB 680-41722/13-A	Method Blank	Water	7470A	
680-15211-6EB	EB040106	Water	7470A	
Analysis Batch:680-41278				
LCS 680-40986/5-A	Lab Control Spike	Water	6010B	680-40986
MB 680-40986/4-A	Method Blank	Water	6010B	680-40986
680-15211-6EB	EB040106	Water	6010B	680-40986

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
Metals				
Analysis Batch:680-41271				
LCS 680-41110/8-A	Lab Control Spike	Solid	6010B	680-41110
MB 680-41110/7-A	Method Blank	Solid	6010B	680-41110
680-15211-1	MCA-SO018A2-0-2-0406	Solid	6010B	680-41110
680-15211-2	MCA-SO018B2-0-2-0406	Solid	6010B	680-41110
680-15211-2MS	Matrix Spike	Solid	6010B	680-41110
680-15211-2MSD	Matrix Spike Duplicate	Solid	6010B	680-41110
680-15211-3	MCA-SO018C2-0-2-0406	Solid	6010B	680-41110
680-15211-4	MCA-SO016A2-6-7-0406	Solid	6010B	680-41110
680-15211-5	MCA-SO016C2-6-7-0406	Solid	6010B	680-41110
680-15211-7	MCA-SODUP103-0406	Solid	6010B	680-41110
Analysis Batch:680-41826				
LCS 680-41616/19-A	Lab Control Spike	Solid	7471A	680-41616
LCSD 680-41616/20-A	Lab Control Spike Duplicate	Solid	7471A	680-41616
MB 680-41616/18-A	Method Blank	Solid	7471A	680-41616
680-15211-1	MCA-SO018A2-0-2-0406	Solid	7471A	680-41616
680-15211-2	MCA-SO018B2-0-2-0406	Solid	7471A	680-41616
680-15211-3	MCA-SO018C2-0-2-0406	Solid	7471A	680-41616
680-15211-4	MCA-SO016A2-6-7-0406	Solid	7471A	680-41616
680-15211-5	MCA-SO016C2-6-7-0406	Solid	7471A	680-41616
680-15211-7	MCA-SODUP103-0406	Solid	7471A	680-41616
680-15211-7MS	Matrix Spike	Solid	7471A	680-41616
680-15211-7MSD	Matrix Spike Duplicate	Solid	7471A	680-41616
Analysis Batch:680-41986				
LCS 680-41722/14-A	Lab Control Spike	Water	7470A	680-41722
MB 680-41722/13-A	Method Blank	Water	7470A	680-41722
680-15211-6EB	EB040106	Water	7470A	680-41722
General Chemistry				
Analysis Batch:680-40901				
680-15211-1	MCA-SO018A2-0-2-0406	Solid	PercentMoisture	
680-15211-2	MCA-SO018B2-0-2-0406	Solid	PercentMoisture	
680-15211-3	MCA-SO018C2-0-2-0406	Solid	PercentMoisture	
680-15211-4	MCA-SO016A2-6-7-0406	Solid	PercentMoisture	
680-15211-5	MCA-SO016C2-6-7-0406	Solid	PercentMoisture	
680-15211-7	MCA-SODUP103-0406	Solid	PercentMoisture	

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
680-15211-1MS	MCA-SO018A2-0-2-0406	41	40	41	43	44	45
680-15211-1MSD	MCA-SO018A2-0-2-0406	54	54	53	57	56	61
LCS 680-41410/18-A		71	73	75	74	77	76
MB 680-41410/17-A		76	66	65	71	55	76
680-15211-1	MCA-SO018A2-0-2-0406	48	42	39	46	39	50
680-15211-2	MCA-SO018B2-0-2-0406	50	49	42	49	43	55
680-15211-3	MCA-SO018C2-0-2-0406	41	40	36	43	43	47
680-15211-4	MCA-SO016A2-6-7-0406	49	47	43	52	52	56
680-15211-5	MCA-SO016C2-6-7-0406	46	42	37	44	42	48
680-15211-7	MCA-SODUP103-0406	48	48	48	49	54	50

Surrogate		Acceptance Limits
(2FP)	2-Fluorophenol	36 - 101
(FBP)	2-Fluorobiphenyl	38 - 104
(NBZ)	Nitrobenzene-d5	33 - 94
(PHL)	Phenol-d5	38 - 102
(TBP)	2,4,6-Tribromophenol	27 - 124
(TPH)	Terphenyl-d14	40 - 129

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
LCS 680-40876/5-A		77	82	89	83	93	91
MB 680-40876/4-A		88	81	88	95	86	93
680-15211-6EB	EB040106	84	79	89	91	86	93

Surrogate		Acceptance Limits
(2FP)	2-Fluorophenol	56 - 100
(FBP)	2-Fluorobiphenyl	59 - 103
(NBZ)	Nitrobenzene-d5	60 - 102
(PHL)	Phenol-d5	55 - 104
(TBP)	2,4,6-Tribromophenol	55 - 126
(TPH)	Terphenyl-d14	10 - 154

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-40876

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 680-40876/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2006 1627
Date Prepared: 04/04/2006 1230

Analysis Batch: 680-41122
Prep Batch: 680-40876
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2730.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	10	U	0.54	10
1,2-Dichlorobenzene	10	U	1.0	10
1,3-Dichlorobenzene	10	U	0.55	10
Benzidine	80	U	14	80
Benzoic acid	50	U	2.5	50
1,4-Dichlorobenzene	10	U	0.52	10
2,4,5-Trichlorophenol	10	U	0.63	10
2,4,6-Trichlorophenol	10	U	0.70	10
2,4-Dichlorophenol	10	U	0.66	10
2,4-Dimethylphenol	10	U	1.0	10
2,4-Dinitrophenol	50	U	5.0	50
2,4-Dinitrotoluene	10	U	0.56	10
2,6-Dinitrotoluene	10	U	0.57	10
Carbazole	10	U	0.82	10
2-Chlorophenol	10	U	0.72	10
2-Chloronaphthalene	10	U	0.62	10
2-Methylnaphthalene	10	U	0.53	10
2-Methylphenol	10	U	0.70	10
2-Nitroaniline	50	U	0.69	50
2-Nitrophenol	10	U	0.73	10
3 & 4 Methylphenol	10	U	0.66	10
3,3'-Dichlorobenzidine	20	U	1.0	20
3-Nitroaniline	50	U	0.69	50
4,6-Dinitro-2-methylphenol	50	U	1.0	50
4-Bromophenyl phenyl ether	10	U	0.85	10
4-Chloro-3-methylphenol	10	U	0.55	10
4-Chloroaniline	20	U	0.52	20
4-Chlorophenyl phenyl ether	10	U	0.56	10
4-Nitroaniline	50	U	0.85	50
4-Nitrophenol	50	U	3.4	50
Acenaphthene	10	U	0.64	10
Acenaphthylene	10	U	0.58	10
Anthracene	10	U	0.88	10
Benzo[a]anthracene	10	U	0.58	10
Benzo[a]pyrene	10	U	1.0	10
Benzo[b]fluoranthene	10	U	0.78	10
Benzo[g,h,i]perylene	10	U	1.0	10
Benzo[k]fluoranthene	10	U	0.73	10
Benzyl alcohol	10	U	0.80	10
Bis(2-chloroethoxy)methane	10	U	0.78	10
Bis(2-chloroethyl)ether	10	U	0.72	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-40876

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 680-40876/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2006 1627
Date Prepared: 04/04/2006 1230

Analysis Batch: 680-41122
Prep Batch: 680-40876
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2730.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Bis(2-ethylhexyl) phthalate	10	U	0.98	10
Chrysene	10	U	1.0	10
Dibenz(a,h)anthracene	10	U	1.0	10
Dibenzofuran	10	U	0.69	10
Di-n-butyl phthalate	10	U	0.82	10
Diethyl phthalate	10	U	0.59	10
Dimethyl phthalate	10	U	0.59	10
Di-n-octyl phthalate	10	U	0.80	10
Fluoranthene	10	U	1.0	10
Fluorene	10	U	0.55	10
Hexachlorobenzene	10	U	1.1	10
Hexachlorobutadiene	10	U	1.0	10
Hexachlorocyclopentadiene	10	U	5.0	10
Hexachloroethane	10	U	1.0	10
Indeno[1,2,3-cd]pyrene	10	U	0.62	10
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.76	10
Nitrobenzene	10	U	0.93	10
N-Nitrosodiphenylamine	10	U	0.80	10
N-Nitrosodi-n-propylamine	10	U	0.62	10
Pentachlorophenol	50	U	2.5	50
Phenanthrene	10	U	0.74	10
Phenol	10	U	0.99	10
Pyrene	10	U	1.0	10
Butyl benzyl phthalate	10	U	0.70	10
bis(chloroisopropyl) ether	10	U	0.82	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	86	55 - 126
2-Fluorobiphenyl	81	59 - 103
2-Fluorophenol	88	56 - 100
Terphenyl-d14	93	10 - 154
Phenol-d5	95	55 - 104
Nitrobenzene-d5	88	60 - 102

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Laboratory Control Sample - Batch: 680-40876

Method: 8270C
Preparation: 3520C

Lab Sample ID: LCS 680-40876/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2006 1718
Date Prepared: 04/04/2006 1230

Analysis Batch: 680-41122
Prep Batch: 680-40876
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2732.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	100	80	80	46 - 99	
1,2-Dichlorobenzene	100	76	76	42 - 98	
1,3-Dichlorobenzene	100	72	72	38 - 97	
Benzidine	100	80	5	10 - 63	U *
Benzoic acid	100	59	59	10 - 160	
1,4-Dichlorobenzene	100	75	75	40 - 92	
2,4,5-Trichlorophenol	100	88	88	62 - 119	
2,4,6-Trichlorophenol	100	93	93	61 - 118	
2,4-Dichlorophenol	100	91	91	62 - 112	
2,4-Dimethylphenol	100	75	75	51 - 111	
2,4-Dinitrophenol	100	89	89	13 - 176	
2,4-Dinitrotoluene	100	110	111	45 - 140	
2,6-Dinitrotoluene	100	100	103	65 - 124	
Carbazole	100	99	99	60 - 120	
2-Chlorophenol	100	82	82	54 - 106	
2-Chloronaphthalene	100	86	86	58 - 111	
2-Methylnaphthalene	100	85	85	51 - 110	
2-Methylphenol	100	87	87	57 - 110	
2-Nitroaniline	100	110	106	60 - 122	
2-Nitrophenol	100	87	87	59 - 114	
3 & 4 Methylphenol	100	85	85	49 - 114	
3,3'-Dichlorobenzidine	100	62	62	29 - 101	
3-Nitroaniline	100	81	81	46 - 114	
4,6-Dinitro-2-methylphenol	100	96	96	42 - 155	
4-Bromophenyl phenyl ether	100	83	83	50 - 112	
4-Chloro-3-methylphenol	100	96	96	58 - 118	
4-Chloroaniline	100	71	71	22 - 107	
4-Chlorophenyl phenyl ether	100	94	94	59 - 112	
4-Nitroaniline	100	89	89	47 - 127	
4-Nitrophenol	100	100	102	30 - 139	
Acenaphthene	100	89	89	49 - 117	
Acenaphthylene	100	93	93	53 - 117	
Anthracene	100	95	95	57 - 118	
Benzo[a]anthracene	100	100	101	55 - 119	
Benzo[a]pyrene	100	95	95	36 - 128	
Benzo[b]fluoranthene	100	99	99	44 - 130	
Benzo[g,h,i]perylene	100	98	98	45 - 128	
Benzo[k]fluoranthene	100	98	98	47 - 129	
Benzyl alcohol	100	85	85	54 - 116	
Bis(2-chloroethoxy)methane	100	93	93	55 - 115	
Bis(2-chloroethyl)ether	100	89	89	48 - 108	
Bis(2-ethylhexyl) phthalate	100	96	96	57 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Laboratory Control Sample - Batch: 680-40876

Method: 8270C
Preparation: 3520C

Lab Sample ID: LCS 680-40876/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2006 1718
Date Prepared: 04/04/2006 1230

Analysis Batch: 680-41122
Prep Batch: 680-40876
Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2732.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	100	98	98	56 - 122	
Dibenz(a,h)anthracene	100	100	102	47 - 126	
Dibenzofuran	100	92	92	65 - 109	
Di-n-butyl phthalate	100	95	95	58 - 122	
Diethyl phthalate	100	100	104	61 - 115	
Dimethyl phthalate	100	98	98	64 - 112	
Di-n-octyl phthalate	100	96	96	55 - 128	
Fluoranthene	100	100	100	51 - 125	
Fluorene	100	96	96	43 - 124	
Hexachlorobenzene	100	98	98	60 - 122	
Hexachlorobutadiene	100	86	86	43 - 109	
Hexachlorocyclopentadiene	100	27	27	1 - 84	
Hexachloroethane	100	74	74	35 - 89	
Indeno[1,2,3-cd]pyrene	100	100	104	40 - 132	
Isophorone	100	100	101	60 - 113	
Naphthalene	100	83	83	42 - 108	
Nitrobenzene	100	92	92	57 - 110	
N-Nitrosodiphenylamine	100	95	95	30 - 130	
N-Nitrosodi-n-propylamine	100	96	96	49 - 135	
Pentachlorophenol	100	85	85	44 - 132	
Phenanthrene	100	95	95	58 - 120	
Phenol	100	83	83	46 - 106	
Pyrene	100	97	97	49 - 135	
Butyl benzyl phthalate	100	99	99	62 - 124	
bis(chloroisopropyl) ether	100	94	94	45 - 114	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	93	55 - 126
2-Fluorobiphenyl	82	59 - 103
2-Fluorophenol	77	56 - 100
Terphenyl-d14	91	10 - 154
Phenol-d5	83	55 - 104
Nitrobenzene-d5	89	60 - 102

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-41410

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-41410/17-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/11/2006 1253
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2780.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	330	U	21	330
1,2-Dichlorobenzene	330	U	23	330
1,3-Dichlorobenzene	330	U	26	330
Benzidine	2700	U	83	2700
Benzoic acid	1700	U	170	1700
1,4-Dichlorobenzene	330	U	22	330
2,4,5-Trichlorophenol	330	U	32	330
2,4,6-Trichlorophenol	330	U	20	330
2,4-Dichlorophenol	330	U	23	330
2,4-Dimethylphenol	330	U	35	330
2,4-Dinitrophenol	1700	U	170	1700
2,4-Dinitrotoluene	330	U	19	330
2,6-Dinitrotoluene	330	U	33	330
Carbazole	330	U	28	330
2-Chlorophenol	330	U	27	330
2-Chloronaphthalene	330	U	24	330
2-Methylnaphthalene	330	U	24	330
2-Methylphenol	330	U	30	330
2-Nitroaniline	1700	U	23	1700
2-Nitrophenol	330	U	20	330
3 & 4 Methylphenol	330	U	29	330
3,3'-Dichlorobenzidine	660	U	30	660
3-Nitroaniline	1700	U	33	1700
4,6-Dinitro-2-methylphenol	1700	U	200	1700
4-Bromophenyl phenyl ether	330	U	31	330
4-Chloro-3-methylphenol	330	U	34	330
4-Chloroaniline	660	U	26	660
4-Chlorophenyl phenyl ether	330	U	19	330
4-Nitroaniline	1700	U	17	1700
4-Nitrophenol	1700	U	210	1700
Acenaphthene	330	U	19	330
Acenaphthylene	330	U	17	330
Anthracene	330	U	23	330
Benzo[a]anthracene	330	U	31	330
Benzo[a]pyrene	330	U	19	330
Benzo[b]fluoranthene	330	U	26	330
Benzo[g,h,i]perylene	330	U	23	330
Benzo[k]fluoranthene	330	U	36	330
Benzyl alcohol	330	U	38	330
Bis(2-chloroethoxy)methane	330	U	24	330
Bis(2-chloroethyl)ether	330	U	28	330

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-41410

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-41410/17-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/11/2006 1253
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2780.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Bis(2-ethylhexyl) phthalate	330	U	38	330
Chrysene	330	U	25	330
Dibenz(a,h)anthracene	330	U	24	330
Dibenzofuran	330	U	19	330
Di-n-butyl phthalate	330	U	28	330
Diethyl phthalate	330	U	22	330
Dimethyl phthalate	330	U	19	330
Di-n-octyl phthalate	330	U	31	330
Fluoranthene	330	U	26	330
Fluorene	330	U	22	330
Hexachlorobenzene	330	U	26	330
Hexachlorobutadiene	330	U	20	330
Hexachlorocyclopentadiene	330	U	83	330
Hexachloroethane	330	U	20	330
Indeno[1,2,3-cd]pyrene	330	U	26	330
Isophorone	330	U	22	330
Naphthalene	330	U	19	330
Nitrobenzene	330	U	35	330
N-Nitrosodiphenylamine	330	U	23	330
N-Nitrosodi-n-propylamine	330	U	28	330
Pentachlorophenol	1700	U	83	1700
Phenanthrene	330	U	29	330
Phenol	330	U	30	330
Pyrene	330	U	20	330
Butyl benzyl phthalate	330	U	27	330
bis(chloroisopropyl) ether	330	U	35	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	55	27 - 124
2-Fluorobiphenyl	66	38 - 104
2-Fluorophenol	76	36 - 101
Terphenyl-d14	76	40 - 129
Phenol-d5	71	38 - 102
Nitrobenzene-d5	65	33 - 94

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Laboratory Control Sample - Batch: 680-41410

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-41410/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/11/2006 1319
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2781.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	3330	2200	67	36 - 98	
1,2-Dichlorobenzene	3330	2300	68	35 - 93	
1,3-Dichlorobenzene	3330	2100	62	34 - 90	
Benzidine	3330	1700	52	1 - 95	J
Benzoic acid	3330	610	18	10 - 94	J
1,4-Dichlorobenzene	3330	2200	67	32 - 90	
2,4,5-Trichlorophenol	3330	2400	72	46 - 116	
2,4,6-Trichlorophenol	3330	2500	76	44 - 113	
2,4-Dichlorophenol	3330	2500	74	43 - 108	
2,4-Dimethylphenol	3330	2600	79	40 - 112	
2,4-Dinitrophenol	3330	750	23	1 - 131	J
2,4-Dinitrotoluene	3330	2800	85	32 - 128	
2,6-Dinitrotoluene	3330	2700	80	38 - 128	
Carbazole	3330	2800	84	47 - 118	
2-Chlorophenol	3330	2400	73	36 - 99	
2-Chloronaphthalene	3330	2400	72	41 - 110	
2-Methylnaphthalene	3330	2300	69	39 - 104	
2-Methylphenol	3330	2500	76	38 - 107	
2-Nitroaniline	3330	2800	85	38 - 124	
2-Nitrophenol	3330	2200	67	38 - 104	
3 & 4 Methylphenol	3330	2400	73	37 - 106	
3,3'-Dichlorobenzidine	3330	1300	38	1 - 118	
3-Nitroaniline	3330	1900	56	19 - 118	
4,6-Dinitro-2-methylphenol	3330	2000	59	11 - 142	
4-Bromophenyl phenyl ether	3330	2400	73	38 - 106	
4-Chloro-3-methylphenol	3330	2700	82	39 - 113	
4-Chloroaniline	3330	1600	48	7 - 103	
4-Chlorophenyl phenyl ether	3330	2600	78	42 - 111	
4-Nitroaniline	3330	2300	68	32 - 130	
4-Nitrophenol	3330	2700	82	21 - 132	
Acenaphthene	3330	2500	75	36 - 108	
Acenaphthylene	3330	2600	79	41 - 112	
Anthracene	3330	2900	87	46 - 115	
Benzo[a]anthracene	3330	2800	85	46 - 116	
Benzo[a]pyrene	3330	2900	87	37 - 120	
Benzo[b]fluoranthene	3330	2900	86	35 - 122	
Benzo[g,h,i]perylene	3330	2800	83	41 - 122	
Benzo[k]fluoranthene	3330	2800	85	36 - 124	
Benzyl alcohol	3330	2200	66	30 - 98	
Bis(2-chloroethoxy)methane	3330	2500	76	38 - 106	
Bis(2-chloroethyl)ether	3330	2400	72	30 - 98	
Bis(2-ethylhexyl) phthalate	3330	2700	82	25 - 134	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Laboratory Control Sample - Batch: 680-41410

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-41410/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/11/2006 1319
Date Prepared: 04/10/2006 1029

Analysis Batch: 680-41663
Prep Batch: 680-41410
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t2781.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	3330	2700	82	46 - 118	
Dibenz(a,h)anthracene	3330	2900	86	41 - 124	
Dibenzofuran	3330	2500	74	44 - 108	
Di-n-butyl phthalate	3330	2700	82	35 - 93	
Diethyl phthalate	3330	2900	86	41 - 118	
Dimethyl phthalate	3330	2700	81	43 - 114	
Di-n-octyl phthalate	3330	2700	80	43 - 129	
Fluoranthene	3330	2900	86	41 - 124	
Fluorene	3330	2600	78	37 - 113	
Hexachlorobenzene	3330	2800	85	46 - 115	
Hexachlorobutadiene	3330	2600	79	42 - 105	
Hexachlorocyclopentadiene	3330	2500	74	20 - 109	
Hexachloroethane	3330	2300	68	31 - 88	
Indeno[1,2,3-cd]pyrene	3330	3000	89	36 - 133	
Isophorone	3330	2600	78	37 - 106	
Naphthalene	3330	2300	70	34 - 97	
Nitrobenzene	3330	2600	77	33 - 106	
N-Nitrosodiphenylamine	3330	3000	89	16 - 113	
N-Nitrosodi-n-propylamine	3330	2600	77	24 - 108	
Pentachlorophenol	3330	1900	58	27 - 116	
Phenanthrene	3330	2700	82	47 - 114	
Phenol	3330	2600	78	34 - 98	
Pyrene	3330	2700	80	36 - 128	
Butyl benzyl phthalate	3330	2700	81	43 - 127	
bis(chloroisopropyl) ether	3330	2600	78	16 - 116	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	77	27 - 124
2-Fluorobiphenyl	73	38 - 104
2-Fluorophenol	71	36 - 101
Terphenyl-d14	76	40 - 129
Phenol-d5	74	38 - 102
Nitrobenzene-d5	75	33 - 94

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-41410

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-15211-1	Analysis Batch: 680-41663	Instrument ID: GC/MS SemiVolatiles - T
Client Matrix:	Solid	Prep Batch: 680-41410	Lab File ID: t2788.d
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	04/11/2006 1618		Final Weight/Volume: 1.0 mL
Date Prepared:	04/10/2006 1029		Injection Volume:

MSD Lab Sample ID:	680-15211-1	Analysis Batch: 680-41663	Instrument ID: GC/MS SemiVolatiles - T
Client Matrix:	Solid	Prep Batch: 680-41410	Lab File ID: t2789.d
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	04/11/2006 1643		Final Weight/Volume: 1.0 mL
Date Prepared:	04/10/2006 1029		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	37	47	36 - 98	24	50		
1,2-Dichlorobenzene	36	45	35 - 93	23	50		
1,3-Dichlorobenzene	33	44	34 - 90	27	50	*	
Benzidine	28	58	1 - 95	69	50	J	J *
Benzoic acid	24	28	10 - 94	14	50	J	J
1,4-Dichlorobenzene	35	45	32 - 90	27	50		
2,4,5-Trichlorophenol	46	55	46 - 116	18	50		
2,4,6-Trichlorophenol	46	56	44 - 113	20	50		
2,4-Dichlorophenol	45	57	43 - 108	25	50		
2,4-Dimethylphenol	46	59	40 - 112	26	50		
2,4-Dinitrophenol	21	22	1 - 131	1	50	J	J
2,4-Dinitrotoluene	48	59	32 - 128	21	50		
2,6-Dinitrotoluene	47	60	38 - 128	25	50		
Carbazole	50	61	47 - 118	19	50		
2-Chlorophenol	40	54	36 - 99	30	50		
2-Chloronaphthalene	41	53	41 - 110	26	50		
2-Methylnaphthalene	39	51	39 - 104	28	50		
2-Methylphenol	42	57	38 - 107	30	50		
2-Nitroaniline	51	63	38 - 124	22	50		
2-Nitrophenol	40	50	38 - 104	24	50		
3 & 4 Methylphenol	41	53	37 - 106	26	50		
3,3'-Dichlorobenzidine	40	54	1 - 118	29	50		
3-Nitroaniline	43	52	19 - 118	21	50	J	
4,6-Dinitro-2-methylphenol	32	36	11 - 142	13	50	J	J
4-Bromophenyl phenyl ether	43	53	38 - 106	22	50		
4-Chloro-3-methylphenol	47	60	39 - 113	25	50		
4-Chloroaniline	38	51	7 - 103	30	50		
4-Chlorophenyl phenyl ether	43	56	42 - 111	28	50		
4-Nitroaniline	41	51	32 - 130	24	50	J	
4-Nitrophenol	43	50	21 - 132	15	50	J	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-41410

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-15211-1	Analysis Batch: 680-41663	Instrument ID: GC/MS SemiVolatiles - T
Client Matrix:	Solid	Prep Batch: 680-41410	Lab File ID: t2788.d
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	04/11/2006 1618		Final Weight/Volume: 1.0 mL
Date Prepared:	04/10/2006 1029		Injection Volume:

MSD Lab Sample ID:	680-15211-1	Analysis Batch: 680-41663	Instrument ID: GC/MS SemiVolatiles - T
Client Matrix:	Solid	Prep Batch: 680-41410	Lab File ID: t2789.d
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	04/11/2006 1643		Final Weight/Volume: 1.0 mL
Date Prepared:	04/10/2006 1029		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	43	55	36 - 108	26	50		
Acenaphthylene	44	58	41 - 112	28	50		
Anthracene	50	63	46 - 115	23	50		
Benzo[a]anthracene	49	64	46 - 116	26	50		
Benzo[a]pyrene	48	60	37 - 120	21	50		
Benzo[b]fluoranthene	46	56	35 - 122	21	50		
Benzo[g,h,i]perylene	45	55	41 - 122	20	50		
Benzo[k]fluoranthene	46	52	36 - 124	14	50		
Benzyl alcohol	41	50	30 - 98	20	50		
Bis(2-chloroethoxy)methane	41	54	38 - 106	28	50		
Bis(2-chloroethyl)ether	39	48	30 - 98	22	50		
Bis(2-ethylhexyl) phthalate	20	47	25 - 134	41	50	*	
Chrysene	46	61	46 - 118	27	50		
Dibenz(a,h)anthracene	46	56	41 - 124	20	50		
Dibenzofuran	42	54	44 - 108	24	50	*	
Di-n-butyl phthalate	50	60	35 - 93	19	50		
Diethyl phthalate	49	61	41 - 118	23	50		
Dimethyl phthalate	46	59	43 - 114	24	50		
Di-n-octyl phthalate	53	66	43 - 129	23	50		
Fluoranthene	49	60	41 - 124	19	50		
Fluorene	44	57	37 - 113	27	50		
Hexachlorobenzene	48	61	46 - 115	23	50		
Hexachlorobutadiene	43	54	42 - 105	23	50		
Hexachlorocyclopentadiene	26	34	20 - 109	27	50		
Hexachloroethane	36	46	31 - 88	24	50		
Indeno[1,2,3-cd]pyrene	52	65	36 - 133	22	50		
Isophorone	45	57	37 - 106	24	50		
Naphthalene	39	51	34 - 97	27	50		
Nitrobenzene	39	49	33 - 106	23	50		
N-Nitrosodiphenylamine	51	64	16 - 113	22	50		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-41410

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-15211-1	Analysis Batch:	680-41663	Instrument ID:	GC/MS SemiVolatiles - T
Client Matrix:	Solid	Prep Batch:	680-41410	Lab File ID:	t2788.d
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	04/11/2006 1618			Final Weight/Volume:	1.0 mL
Date Prepared:	04/10/2006 1029			Injection Volume:	

MSD Lab Sample ID:	680-15211-1	Analysis Batch:	680-41663	Instrument ID:	GC/MS SemiVolatiles - T
Client Matrix:	Solid	Prep Batch:	680-41410	Lab File ID:	t2789.d
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Date Analyzed:	04/11/2006 1643			Final Weight/Volume:	1.0 mL
Date Prepared:	04/10/2006 1029			Injection Volume:	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
N-Nitrosodi-n-propylamine	41	55	24 - 108	29	50		
Pentachlorophenol	41	48	27 - 116	17	50	J	J
Phenanthrene	47	59	47 - 114	23	50		
Phenol	44	58	34 - 98	28	50		
Pyrene	47	62	36 - 128	28	50		
Butyl benzyl phthalate	50	65	43 - 127	26	50		
bis(chloroisopropyl) ether	41	54	16 - 116	26	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	44	56	27 - 124
2-Fluorobiphenyl	40	54	38 - 104
2-Fluorophenol	41	54	36 - 101
Terphenyl-d14	45	61	40 - 129
Phenol-d5	43	57	38 - 102
Nitrobenzene-d5	41	53	33 - 94

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 680-41410

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-15211-1	Units: ug/Kg	MSD Lab Sample ID: 680-15211-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	04/11/2006 1618		Date Analyzed: 04/11/2006 1643
Date Prepared:	04/10/2006 1029		Date Prepared: 04/10/2006 1029

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,2,4-Trichlorobenzene	12000	U	3900	3910	1400		1800	
1,2-Dichlorobenzene	12000	U	3900	3910	1400		1700	
1,3-Dichlorobenzene	12000	U	3900	3910	1300	*	1700	
Benzidine	95000	U	3900	3910	1100	J	2300	J *
Benzoic acid	60000	U	3900	3910	940	J	1100	J
1,4-Dichlorobenzene	12000	U	3900	3910	1300		1800	
2,4,5-Trichlorophenol	12000	U	3900	3910	1800		2200	
2,4,6-Trichlorophenol	12000	U	3900	3910	1800		2200	
2,4-Dichlorophenol	12000	U	3900	3910	1700		2200	
2,4-Dimethylphenol	12000	U	3900	3910	1800		2300	
2,4-Dinitrophenol	60000	U	3900	3910	840	J	840	J
2,4-Dinitrotoluene	12000	U	3900	3910	1900		2300	
2,6-Dinitrotoluene	12000	U	3900	3910	1800		2400	
Carbazole	12000	U	3900	3910	2000		2400	
2-Chlorophenol	12000	U	3900	3910	1600		2100	
2-Chloronaphthalene	12000	U	3900	3910	1600		2100	
2-Methylnaphthalene	12000	U	3900	3910	1500		2000	
2-Methylphenol	12000	U	3900	3910	1600		2200	
2-Nitroaniline	60000	U	3900	3910	2000		2500	
2-Nitrophenol	12000	U	3900	3910	1500		2000	
3 & 4 Methylphenol	12000	U	3900	3910	1600		2100	
3,3'-Dichlorobenzidine	23000	U	3900	3910	1600		2100	
3-Nitroaniline	60000	U	3900	3910	1700	J	2000	
4,6-Dinitro-2-methylphenol	60000	U	3900	3910	1200	J	1400	J
4-Bromophenyl phenyl ether	12000	U	3900	3910	1700		2100	
4-Chloro-3-methylphenol	12000	U	3900	3910	1800		2400	
4-Chloroaniline	23000	U	3900	3910	1500		2000	
4-Chlorophenyl phenyl ether	12000	U	3900	3910	1700		2200	
4-Nitroaniline	60000	U	3900	3910	1600	J	2000	
4-Nitrophenol	60000	U	3900	3910	1700	J	2000	
Acenaphthene	12000	U	3900	3910	1700		2200	
Acenaphthylene	12000	U	3900	3910	1700		2300	
Anthracene	12000	U	3900	3910	1900		2500	
Benzo[a]anthracene	12000	U	3900	3910	1900		2500	
Benzo[a]pyrene	12000	U	3900	3910	1900		2300	
Benzo[b]fluoranthene	12000	U	3900	3910	1800		2200	
Benzo[g,h,i]perylene	12000	U	3900	3910	1800		2200	
Benzo[k]fluoranthene	12000	U	3900	3910	1800		2000	
Benzyl alcohol	12000	U	3900	3910	1600		2000	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 680-41410

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-15211-1	Units: ug/Kg	MSD Lab Sample ID: 680-15211-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	04/11/2006 1618		Date Analyzed: 04/11/2006 1643
Date Prepared:	04/10/2006 1029		Date Prepared: 04/10/2006 1029

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bis(2-chloroethoxy)methane	12000	U	3900	3910	1600		2100	
Bis(2-chloroethyl)ether	12000	U	3900	3910	1500		1900	
Bis(2-ethylhexyl) phthalate	12000	U	3900	3910	2100	*	3200	
Chrysene	12000	U	3900	3910	1800		2400	
Dibenz(a,h)anthracene	12000	U	3900	3910	1800		2200	
Dibenzofuran	12000	U	3900	3910	1600	*	2100	
Di-n-butyl phthalate	12000	U	3900	3910	1900		2300	
Diethyl phthalate	12000	U	3900	3910	1900		2400	
Dimethyl phthalate	12000	U	3900	3910	1800		2300	
Di-n-octyl phthalate	12000	U	3900	3910	2100		2600	
Fluoranthene	12000	U	3900	3910	1900		2300	
Fluorene	12000	U	3900	3910	1700		2200	
Hexachlorobenzene	12000	U	3900	3910	1900		2400	
Hexachlorobutadiene	12000	U	3900	3910	1700		2100	
Hexachlorocyclopentadiene	12000	U	3900	3910	1000		1300	
Hexachloroethane	12000	U	3900	3910	1400		1800	
Indeno[1,2,3-cd]pyrene	12000	U	3900	3910	2000		2500	
Isophorone	12000	U	3900	3910	1800		2200	
Naphthalene	12000	U	3900	3910	1500		2000	
Nitrobenzene	12000	U	3900	3910	1500		1900	
N-Nitrosodiphenylamine	12000	U	3900	3910	2000		2500	
N-Nitrosodi-n-propylamine	12000	U	3900	3910	1600		2100	
Pentachlorophenol	60000	U	3900	3910	1600	J	1900	J
Phenanthrene	12000	U	3900	3910	1800		2300	
Phenol	12000	U	3900	3910	1700		2300	
Pyrene	12000	U	3900	3910	1800		2400	
Butyl benzyl phthalate	12000	U	3900	3910	2000		2500	
bis(chloroisopropyl) ether	12000	U	3900	3910	1600		2100	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-40986

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 680-40986/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2006 2302
Date Prepared: 04/05/2006 1206

Analysis Batch: 680-41278
Prep Batch: 680-40986
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	10	U	5.2	10
Barium	10	U	1.2	10
Cadmium	5.0	U	1.0	5.0
Chromium	10	U	0.95	10
Lead	5.0	U	3.5	5.0
Selenium	10	U	5.4	10
Silver	10	U	1.0	10

Laboratory Control Sample - Batch: 680-40986

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 680-40986/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2006 2306
Date Prepared: 04/05/2006 1206

Analysis Batch: 680-41278
Prep Batch: 680-40986
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	2000	98	75 - 125	
Barium	2000	2000	102	75 - 125	
Cadmium	50.0	48	95	75 - 125	
Chromium	200	200	98	75 - 125	
Lead	500	490	97	75 - 125	
Selenium	2000	1900	96	75 - 125	
Silver	50.0	49	98	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-41110

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-41110/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/07/2006 0212
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	1.0	U	0.67	1.0
Barium	1.0	U	0.30	1.0
Cadmium	0.50	U	0.22	0.50
Chromium	1.0	U	0.13	1.0
Lead	0.42	J	0.21	0.50
Selenium	2.5	U	0.90	2.5
Silver	1.0	U	0.099	1.0

Laboratory Control Sample - Batch: 680-41110

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-41110/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/07/2006 0217
Date Prepared: 04/06/2006 0949

Analysis Batch: 680-41271
Prep Batch: 680-41110
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	190	93	75 - 125	
Barium	200	190	97	75 - 125	
Cadmium	5.00	4.6	92	75 - 125	
Chromium	20.0	19	95	75 - 125	
Lead	50.0	46	93	75 - 125	
Selenium	200	180	89	75 - 125	
Silver	5.00	4.6	92	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-41110

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-15211-2	Analysis Batch: 680-41271	Instrument ID: ICP/AES
Client Matrix:	Solid	Prep Batch: 680-41110	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.13 g
Date Analyzed:	04/07/2006 0240		Final Weight/Volume: 100 mL
Date Prepared:	04/06/2006 0949		

MSD Lab Sample ID:	680-15211-2	Analysis Batch: 680-41271	Instrument ID: ICP/AES
Client Matrix:	Solid	Prep Batch: 680-41110	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.13 g
Date Analyzed:	04/07/2006 0244		Final Weight/Volume: 100 mL
Date Prepared:	04/06/2006 0949		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	91	94	75 - 125	2	20		
Barium	98	101	75 - 125	3	20		
Cadmium	91	94	75 - 125	3	20		
Chromium	96	99	75 - 125	3	20		
Lead	106	148	75 - 125	29	20		N*
Selenium	89	91	75 - 125	2	20		
Silver	92	95	75 - 125	3	20		

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 680-41110

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-15211-2	Units: mg/Kg	MSD Lab Sample ID: 680-15211-2
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	04/07/2006 0240		Date Analyzed: 04/07/2006 0244
Date Prepared:	04/06/2006 0949		Date Prepared: 04/06/2006 0949

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Arsenic	1.5		208	208	190	200	
Barium	16		208	208	220	230	
Cadmium	0.52	U	5.21	5.21	4.7	4.9	
Chromium	3.5		20.8	20.8	24	24	
Lead	9.8		52.1	52.1	65	87	N*
Selenium	2.6	U	208	208	180	190	
Silver	1.0	U	5.21	5.21	4.8	4.9	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-41722

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-41722/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2006 1421
Date Prepared: 04/12/2006 1301

Analysis Batch: 680-41986
Prep Batch: 680-41722
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.080	0.20

Laboratory Control Sample - Batch: 680-41722

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-41722/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2006 1424
Date Prepared: 04/12/2006 1301

Analysis Batch: 680-41986
Prep Batch: 680-41722
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.1	84	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Method Blank - Batch: 680-41616

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-41616/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1425
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.020	U	0.0040	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-41616

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 680-41616/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1429
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 680-41616/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1431
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	99	103	80 - 120	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-41616

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 680-41616/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1429
Date Prepared: 04/11/2006 1539

Units: mg/Kg

LCSD Lab Sample ID: LCSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1431
Date Prepared: 04/11/2006 1539

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.125	0.125	0.12	0.13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-41616

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-15211-7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1547
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-15211-7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/12/2006 1549
Date Prepared: 04/11/2006 1539

Analysis Batch: 680-41826
Prep Batch: 680-41616

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	122	80 - 120	10	20		N

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 680-41616

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	680-15211-7	Units: mg/Kg	MSD Lab Sample ID:	680-15211-7	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	04/12/2006 1547		Date Analyzed:	04/12/2006 1549	
Date Prepared:	04/11/2006 1539		Date Prepared:	04/11/2006 1539	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Mercury	0.054	0.0581	0.0581	0.11	0.13	N

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912-354-7858 fax 912-351-3673

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Eric Evans	Site Contact: Eric Evans	Date: 4-1-06	COC No:
Your Company Name here **HGL**	Tel/Fax: 518-877-0390	Lab Contact: Linda Wolfe	Carrier:	___1___ of ___1___ COCs
Address **313 Ushers Road**	**Analysis Turnaround Time**			Job No.
City/State/Zip **Ballston Lake, NY 12019**	Calendar (C) or Work Days (W) _____			
(518) 877-0390 Phone	TAT if different from Below _____			SDG No.
(518) 877-0414 FAX	■ 2 weeks			
Project Name: **Confirmation Soil Sampling**	☐ 1 week			
Site: **MCA Barracks - Hunter AAF**	☐ 2 days			
P O # **OMA009-001-02-02-01**	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	RCRA Metals (one 4 oz glass jar)	SVOCs (one 4 oz glass jar)	RCRA Metals (one poly bottle - HNO3)	SVOCs (two 1L glass amber bottles)	Sample Specific Notes:
MCA-SO018A2-0-2-0406	4/1/2006	1130	Grab	Soil	2		x	x			MS and MSD from this sample
MCA-SO018B2-0-2-0406	4/1/2006	1140	Grab	Soil	2		x	x			
MCA-SO018C2-0-2-0406	4/1/2006	1150	Grab	Soil	2		x	x			
~~MCA-SO018D2-0-2-0406~~	~~4/1/2006~~	~~1200~~	~~Grab~~	~~Soil~~	~~2~~		x	x			NOT SHIPPED
MCA-SO016A2-6-7-0406	4/1/2006	1245	Grab	Soil	2		x	x			
~~MCA-SO016B2-6-7-0406~~	~~4/1/2006~~	1320	Grab	Soil	2		x	x			NOT SHIPPED
MCA-SO016C2-6-7-0406	4/1/2006	1350	Grab	Soil	2		x	x			
~~MCA-SO016D2-6-70406~~	~~4/1/2006~~		Grab	Soil	2		x	x			NOT SHIPPED
EB040106	4/1/2006	1400	Grab	Water	2				x	x	
MCA-SODUP103-0406	4/1/2006	1300	Grab	Soil	2		x	x			
											TEMP.: 1.5
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____							1	1	1,4	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments: MS reporting name = MCA-SOMS18A2-0-2-0406, MSD reporting name = MCA-SOMSD18A2-0-2-0406. Analyzed per Linda Mackley (STL-Chicago) analyte list.

680-15211

NOTE: 3 LINE ITEMS NOT SHIPPED

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Peter D. Dacey	HGL	4.1.06/1600		STL/SAV	~~04~~ 04/01/06 17:56
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Severn Trent Laboratories, Inc.

Job Number: 680-15211-1
Sdg Number: HAAF13

Login Number: 15211

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	NA	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

SEVERN TRENT STL®

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University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 244450

Prepared For:

HydroGeoLogic, Inc.
Northway 10 Executive Park
313 Ushers Road
Ballston Lake, NY 12019

Project: Hunter AAF

Attention: Eric Evans

Date: 03/07/2006

Mary S. Mackley

Signature

3/7/06

Date

Name: Linda S. Mackley

Title: Project Manager

E-Mail: lmackley@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

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FAX..: (708) 534-5211

This Report Contains (83) Pages

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

Statement of Stipulation

STL Chicago attests to the following stipulations in regards to all data submitted in the final report(s) for the State of Georgia:

Laboratory Name: STL Chicago

Accrediting Agency: IL EPA NELAP

Scope of Accreditation: SDWA, CWA, RCRA

NELAP Accreditation Number: 100201

Issued On: 04/12/2005

Expires On: 04/30/2006

Signature of Authorizing Agent — Title: QA Specialist — Date: 08/02/05

Severn Trent Services - Chicago
GC/MS BNA Case Narrative

HydroGeoLogic, Inc./OMA009-001
Job Number: 244450
BNA DATA:

1. All extraction and analyses were performed within recommended hold-times.

2. The MB (Method Blank) samples had all analytes undetected.

3. The LCS (Laboratory Control Sample) samples the 11 control spike recoveries within the QC limits.

4. The MS (Matrix Spike) had one control spike recovery above the QC limits and the MSD (Matrix Spike Duplicate) had all control spike recoveries within the QC limits and one control RPD value above the QC limit.

5. All samples had all surrogate recoveries within the QC limits.

6. Sample 14 had one internal standard area outside the acceptance limits. All analytes were undetected in sample 14; therefore, no corrective action was required. All other samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

7. All samples were analyzed following USEPA SW846 8270C protocol. Sample 4 required a 5x secondary dilution.

Gary Rynkar
GC/MS Section Manager

3/7/6
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 03/07/2006

Job Number.: 244450
Customer...: HydroGeoLogic, Inc.
Attn.....: Eric Evans

Project Number.....: 20005567
Customer Project ID....: OMA009-001
Project Description....: Hunter AAF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
244450-1	MCA-S0016D-6-7-0206	Soil	02/18/2006	14:00	02/21/2006	10:10
244450-2	MCA-S0016C-6-7-0206	Soil	02/18/2006	13:15	02/21/2006	10:10
244450-3	MCA-S0016B-6-7-0206	Soil	02/18/2006	12:30	02/21/2006	10:10
244450-4	MCA-S0016A-6-7-0206	Soil	02/18/2006	11:45	02/21/2006	10:10
244450-5	MCA-S0017D-5-7-0206	Soil	02/18/2006	15:00	02/21/2006	10:10
244450-6	MCA-S0017C-5-7-0206	Soil	02/18/2006	15:30	02/21/2006	10:10
244450-7	MCA-S0017B-5-7-0206	Soil	02/18/2006	16:00	02/21/2006	10:10
244450-8	MCA-S0017A-5-7-0206	Soil	02/18/2006	14:30	02/21/2006	10:10
244450-9	MCA-S0018D-0-2-0206	Soil	02/18/2006	10:00	02/21/2006	10:10
244450-10	MCA-S0018C-0-2-0206	Soil	02/18/2006	09:50	02/21/2006	10:10
244450-11	MCA-S0018B-0-2-0206	Soil	02/18/2006	09:40	02/21/2006	10:10
244450-12	MCA-S0018A-0-2-0206	Soil	02/18/2006	09:30	02/21/2006	10:10
244450-13	MCA-SODUP101-0206	Soil	02/18/2006	15:00	02/21/2006	10:10
244450-14	MCA-SODUP102-0206	Soil	02/18/2006	08:05	02/21/2006	10:10
244450-15	EB021806	Water	02/18/2006	17:00	02/21/2006	10:10

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO16D-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-1
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	180	U		45	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	180	U		24	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	180	U		26	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzyl alcohol, 3541 Low Solid*	360	U	*	130	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	180	U		30	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	180	U		29	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	180	U		32	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Hexachloroethane, 3541 Low Solid*	180	U		30	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	180	U		35	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2-Chlorophenol, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Nitrobenzene, 3541 Low Solid*	36	U		10	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	180	U		27	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzoic acid, 3541 Low Solid*	1800	U		790	1800	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Isophorone, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	360	U		87	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Hexachlorobutadiene, 3541 Low Solid*	180	U		42	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Naphthalene, 3541 Low Solid*	36	U		7.3	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	360	U		62	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4-Chloroaniline, 3541 Low Solid*	740	U		80	740	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	360	U		75	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	360	U		81	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	740	U		130	740	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2-Methylnaphthalene, 3541 Low Solid*	180	U		41	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2-Nitroaniline, 3541 Low Solid*	180	U		37	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2-Chloronaphthalene, 3541 Low Solid*	180	U		24	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016D-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-1
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	360	U		60	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2-Nitrophenol, 3541 Low Solid*	360	U		83	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	3-Nitroaniline, 3541 Low Solid*	360	U		48	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Dimethyl phthalate, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	740	U		290	740	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Acenaphthylene, 3541 Low Solid*	79			7.2	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	180	U		42	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Acenaphthene, 3541 Low Solid*	36	U		7.1	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Dibenzofuran, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4-Nitrophenol, 3541 Low Solid*	740	U		210	740	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Fluorene, 3541 Low Solid*	36	U		7.0	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4-Nitroaniline, 3541 Low Solid*	360	U		52	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	180	U		21	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Hexachlorobenzene, 3541 Low Solid*	74	U		21	74	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Diethyl phthalate, 3541 Low Solid*	180	U		39	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	180	U		37	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Pentachlorophenol, 3541 Low Solid*	740	U		200	740	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	180	U		19	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	360	U		110	360	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Phenanthrene, 3541 Low Solid*	95			5.9	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Anthracene, 3541 Low Solid*	96			7.8	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Carbazole, 3541 Low Solid*	180	U		21	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	180	U		22	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzidine, 3541 Low Solid*	740	U		160	740	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Fluoranthene, 3541 Low Solid*	490			6.8	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Pyrene, 3541 Low Solid*	460			8.3	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzo(a)anthracene, 3541 Low Solid*	490			7.2	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016D-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-1
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, 3541 Low Solid*	430			7.4	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	180	U		37	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	180	U		78	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	180	U		33	180	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	760			9.1	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	290		M	10	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzo(a)pyrene, 3541 Low Solid*	510			4.2	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	290			7.3	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	130			7.4	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	330			9.8	36	1.00000	ug/Kg	175049		03/02/06 1925	dpk
Method	% Solids Determination											
	% Solids, Solid	89.6			0.10	0.10	1	%	173852		02/22/06 1333	pfk
	% Moisture, Solid	10.4			0.10	0.10	1	%	173852		02/22/06 1333	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.044			0.0068	0.037	1	mg/Kg	174122		02/23/06 1601	gak
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.1			0.37	1.0	1	mg/Kg	174081		02/24/06 0201	tds
	Barium, Solid*	16			0.072	1.0	1	mg/Kg	174081		02/24/06 0201	tds
	Cadmium, Solid*	0.25			0.058	0.20	1	mg/Kg	174081		02/24/06 0201	tds
	Chromium, Solid*	6.4			0.10	1.0	1	mg/Kg	174081		02/24/06 0201	tds
	Lead, Solid*	23			0.25	0.50	1	mg/Kg	174081		02/24/06 0201	tds
	Selenium, Solid*	1.0	U		0.45	1.0	1	mg/Kg	174081		02/24/06 0201	tds
	Silver, Solid*	0.50	U		0.10	0.50	1	mg/Kg	174081		02/24/06 0201	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016C-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-2
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	180	U		44	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	180	U		23	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	180	U		25	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzyl alcohol, 3541 Low Solid*	360	U	*	130	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	180	U		29	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	180	U		29	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	180	U		31	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Hexachloroethane, 3541 Low Solid*	180	U		29	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	180	U		35	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2-Chlorophenol, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Nitrobenzene, 3541 Low Solid*	36	U		10	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzoic acid, 3541 Low Solid*	1800	U		780	1800	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Isophorone, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	360	U		85	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Hexachlorobutadiene, 3541 Low Solid*	180	U		41	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Naphthalene, 3541 Low Solid*	36	U		7.1	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	360	U		60	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4-Chloroaniline, 3541 Low Solid*	720	U		78	720	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	360	U		73	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	360	U		80	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	720	U		120	720	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2-Methylnaphthalene, 3541 Low Solid*	180	U		40	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2-Nitroaniline, 3541 Low Solid*	180	U		36	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2-Chloronaphthalene, 3541 Low Solid*	180	U		23	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO016C-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-2
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
	4-Chloro-3-methylphenol, 3541 Low Solid*	360	U		59	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2-Nitrophenol, 3541 Low Solid*	360	U		81	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	3-Nitroaniline, 3541 Low Solid*	360	U		47	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Dimethyl phthalate, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	720	U		290	720	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Acenaphthylene, 3541 Low Solid*	36	U		7.0	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	180	U		41	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Acenaphthene, 3541 Low Solid*	36	U		6.9	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Dibenzofuran, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4-Nitrophenol, 3541 Low Solid*	720	U		200	720	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Fluorene, 3541 Low Solid*	36	U		6.8	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4-Nitroaniline, 3541 Low Solid*	360	U		51	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	180	U		21	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Hexachlorobenzene, 3541 Low Solid*	72	U		21	72	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Diethyl phthalate, 3541 Low Solid*	180	U		38	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	180	U		36	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Pentachlorophenol, 3541 Low Solid*	720	U		200	720	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	180	U		18	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	360	U		100	360	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Phenanthrene, 3541 Low Solid*	36	U		5.7	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Anthracene, 3541 Low Solid*	36	U		7.7	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Carbazole, 3541 Low Solid*	180	U		21	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	180	U		21	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzidine, 3541 Low Solid*	720	U		160	720	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Fluoranthene, 3541 Low Solid*	60			6.7	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Pyrene, 3541 Low Solid*	57			8.1	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	180	U		26	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzo(a)anthracene, 3541 Low Solid*	55			7.0	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO016C-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 13:15
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-2
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, 3541 Low Solid*	55			7.2	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	180	U		36	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	180	U		76	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	180	U		32	180	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	69		M	8.8	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	50		M	9.9	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzo(a)pyrene, 3541 Low Solid*	69			4.1	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	45			7.1	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	20	J		7.2	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	53			9.6	36	1.00000	ug/Kg	175049		03/01/06 2134	dpk
Method	% Solids Determination											
	% Solids, Solid	90.9			0.10	0.10	1	%	173852		02/22/06 1334	pfk
	% Moisture, Solid	9.1			0.10	0.10	1	%	173852		02/22/06 1334	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.017	B		0.0067	0.036	1	mg/Kg	174122		02/23/06 1603	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.63	B		0.39	1.1	1	mg/Kg	174081		02/24/06 0205	tds
	Barium, Solid*	12			0.077	1.1	1	mg/Kg	174081		02/24/06 0205	tds
	Cadmium, Solid*	0.21	U		0.062	0.21	1	mg/Kg	174081		02/24/06 0205	tds
	Chromium, Solid*	3.0			0.11	1.1	1	mg/Kg	174081		02/24/06 0205	tds
	Lead, Solid*	4.3			0.27	0.53	1	mg/Kg	174081		02/24/06 0205	tds
	Selenium, Solid*	1.1	U		0.48	1.1	1	mg/Kg	174081		02/24/06 0205	tds
	Silver, Solid*	0.53	U		0.11	0.53	1	mg/Kg	174081		02/24/06 0205	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO016B-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 12:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-3
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	190	U		30	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	190	U		47	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	190	U		25	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	190	U		27	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzyl alcohol, 3541 Low Solid*	380	U	*	130	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	190	U		31	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid	190	U		31	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	190	U		33	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Hexachloroethane, 3541 Low Solid*	190	U		31	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	190	U		37	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2-Chlorophenol, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Nitrobenzene, 3541 Low Solid*	38	U		11	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzoic acid, 3541 Low Solid*	1900	U		830	1900	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Isophorone, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	380	U		91	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Hexachlorobutadiene, 3541 Low Solid*	190	U		44	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Naphthalene, 3541 Low Solid*	38	U		7.6	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	380	U		65	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4-Chloroaniline, 3541 Low Solid*	780	U		84	780	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	380	U		78	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	380	U		86	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	780	U		130	780	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2-Methylnaphthalene, 3541 Low Solid*	190	U		43	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2-Nitroaniline, 3541 Low Solid*	190	U		39	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2-Chloronaphthalene, 3541 Low Solid*	190	U		25	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016B-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 12:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-3
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	380	U		63	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2-Nitrophenol, 3541 Low Solid*	380	U		87	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	3-Nitroaniline, 3541 Low Solid*	380	U		50	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Dimethyl phthalate, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	780	U		310	780	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Acenaphthylene, 3541 Low Solid*	38	U		7.5	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	190	U		44	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Acenaphthene, 3541 Low Solid*	38	U		7.4	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Dibenzofuran, 3541 Low Solid*	190	U		30	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4-Nitrophenol, 3541 Low Solid*	780	U		220	780	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Fluorene, 3541 Low Solid*	38	U		7.3	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4-Nitroaniline, 3541 Low Solid*	380	U		55	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	190	U		22	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Hexachlorobenzene, 3541 Low Solid*	78	U		22	78	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Diethyl phthalate, 3541 Low Solid*	190	U		41	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	190	U		39	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Pentachlorophenol, 3541 Low Solid*	780	U		210	780	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	190	U		20	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	380	U		110	380	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Phenanthrene, 3541 Low Solid*	38	U		6.1	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Anthracene, 3541 Low Solid*	38	U		8.2	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Carbazole, 3541 Low Solid*	190	U		22	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	190	U		23	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzidine, 3541 Low Solid*	780	U		170	780	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Fluoranthene, 3541 Low Solid*	38	U		7.2	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Pyrene, 3541 Low Solid*	38	U		8.7	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	190	U		28	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzo(a)anthracene, 3541 Low Solid*	38	U		7.5	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO016B-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 12:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-3
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, 3541 Low Solid*	38	U		7.8	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	190	U		39	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	190	U		82	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	190	U		34	190	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	38	U		9.5	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	38	U		11	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzo(a)pyrene, 3541 Low Solid*	38	U		4.4	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	38	U		7.6	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	38	U		7.8	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	38	U		10	38	1.00000	ug/Kg	175049		03/01/06 2156	dpk
Method	% Solids Determination											
	% Solids, Solid	85.0			0.10	0.10	1	%	173852		02/22/06 1336	pfk
	% Moisture, Solid	15.0			0.10	0.10	1	%	173852		02/22/06 1336	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035	B		0.0072	0.039	1	mg/Kg	174122		02/23/06 1605	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	2.5			0.38	1.0	1	mg/Kg	174081		02/24/06 0210	tds
	Barium, Solid*	34			0.074	1.0	1	mg/Kg	174081		02/24/06 0210	tds
	Cadmium, Solid*	0.20	U		0.059	0.20	1	mg/Kg	174081		02/24/06 0210	tds
	Chromium, Solid*	6.3			0.10	1.0	1	mg/Kg	174081		02/24/06 0210	tds
	Lead, Solid*	4.9			0.26	0.51	1	mg/Kg	174081		02/24/06 0210	tds
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	174081		02/24/06 0210	tds
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	174081		02/24/06 0210	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO016A-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-4
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	870	U		210	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	870	U		110	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	870	U		120	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzyl alcohol, 3541 Low Solid*	1700	U	*	610	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	870	U		140	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	870	U		140	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	870	U		150	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Hexachloroethane, 3541 Low Solid*	870	U		140	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	870	U		170	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2-Chlorophenol, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Nitrobenzene, 3541 Low Solid*	170	U		49	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzoic acid, 3541 Low Solid*	8700	U		3800	8700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Isophorone, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	1700	U		410	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Hexachlorobutadiene, 3541 Low Solid*	870	U		200	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Naphthalene, 3541 Low Solid*	170	U		35	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	1700	U		290	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4-Chloroaniline, 3541 Low Solid*	3500	U		380	3500	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	1700	U		350	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	1700	U		390	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	3500	U		600	3500	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2-Methylnaphthalene, 3541 Low Solid*	870	U		190	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2-Nitroaniline, 3541 Low Solid*	870	U		180	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2-Chloronaphthalene, 3541 Low Solid*	870	U		110	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016A-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-4
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Chloro-3-methylphenol, 3541 Low Solid*	1700	U		290	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2-Nitrophenol, 3541 Low Solid*	1700	U		390	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	3-Nitroaniline, 3541 Low Solid*	1700	U		230	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Dimethyl phthalate, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	3500	U		1400	3500	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Acenaphthylene, 3541 Low Solid*	270			34	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	870	U		200	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Acenaphthene, 3541 Low Solid*	170	U		34	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Dibenzofuran, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4-Nitrophenol, 3541 Low Solid*	3500	U		970	3500	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Fluorene, 3541 Low Solid*	170	U		33	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4-Nitroaniline, 3541 Low Solid*	1700	U		250	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	870	U		100	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Hexachlorobenzene, 3541 Low Solid*	350	U		100	350	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Diethyl phthalate, 3541 Low Solid*	870	U		190	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	870	U		180	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Pentachlorophenol, 3541 Low Solid*	3500	U		960	3500	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	870	U		89	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	1700	U		500	1700	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Phenanthrene, 3541 Low Solid*	250			28	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Anthracene, 3541 Low Solid*	270			37	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Carbazole, 3541 Low Solid*	870	U		100	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	870	U		100	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzidine, 3541 Low Solid*	3500	U		760	3500	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Fluoranthene, 3541 Low Solid*	1500			32	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Pyrene, 3541 Low Solid*	1300			39	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	870	U		130	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzo(a)anthracene, 3541 Low Solid*	1400			34	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0016A-6-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-4
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	1200			35	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	870	U		170	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	870	U		370	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	870	U		160	870	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	1900		M	43	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	970		M	48	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzo(a)pyrene, 3541 Low Solid*	1400			20	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	800			35	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	300			35	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	930			47	170	5.00000	ug/Kg	175049		03/02/06 1951	dpk
Method	% Solids Determination											
	% Solids, Solid	92.3			0.10	0.10	1	%	173852		02/22/06 1337	pfk
	% Moisture, Solid	7.7			0.10	0.10	1	%	173852		02/22/06 1337	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.028	B		0.0066	0.036	1	mg/Kg	174122		02/23/06 1607	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.0	B		0.39	1.0	1	mg/Kg	174081		02/24/06 0215	tds
	Barium, Solid*	20			0.075	1.0	1	mg/Kg	174081		02/24/06 0215	tds
	Cadmium, Solid*	0.085	B		0.061	0.21	1	mg/Kg	174081		02/24/06 0215	tds
	Chromium, Solid*	3.3			0.10	1.0	1	mg/Kg	174081		02/24/06 0215	tds
	Lead, Solid*	28			0.26	0.52	1	mg/Kg	174081		02/24/06 0215	tds
	Selenium, Solid*	1.0	U		0.47	1.0	1	mg/Kg	174081		02/24/06 0215	tds
	Silver, Solid*	0.11	B		0.10	0.52	1	mg/Kg	174081		02/24/06 0215	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17D-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-5
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	200	U		49	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	200	U		26	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	200	U		28	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzyl alcohol, 3541 Low Solid*	400	U	*	140	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	200	U		33	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	200	U		33	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	200	U		35	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Hexachloroethane, 3541 Low Solid*	200	U		33	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	200	U		39	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2-Chlorophenol, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Nitrobenzene, 3541 Low Solid*	40	U		11	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	200	U		30	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzoic acid, 3541 Low Solid*	2000	U		880	2000	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Isophorone, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	400	U		96	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Hexachlorobutadiene, 3541 Low Solid*	200	U		47	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Naphthalene, 3541 Low Solid*	40	U		8.0	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	400	U		68	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4-Chloroaniline, 3541 Low Solid*	820	U		88	820	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	400	U		83	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	400	U		90	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	820	U		140	820	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2-Methylnaphthalene, 3541 Low Solid*	200	U		45	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2-Nitroaniline, 3541 Low Solid*	200	U		41	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2-Chloronaphthalene, 3541 Low Solid*	200	U		26	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17D-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-5
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	400	U		66	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2-Nitrophenol, 3541 Low Solid*	400	U		91	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	3-Nitroaniline, 3541 Low Solid*	400	U		53	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Dimethyl phthalate, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	820	U		320	820	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Acenaphthylene, 3541 Low Solid*	40	U		7.9	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	200	U		46	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Acenaphthene, 3541 Low Solid*	40	U		7.8	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Dibenzofuran, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4-Nitrophenol, 3541 Low Solid*	820	U		230	820	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Fluorene, 3541 Low Solid*	40	U		7.7	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4-Nitroaniline, 3541 Low Solid*	400	U		58	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	200	U		24	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Hexachlorobenzene, 3541 Low Solid*	82	U		23	82	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Diethyl phthalate, 3541 Low Solid*	200	U		43	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	200	U		41	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Pentachlorophenol, 3541 Low Solid*	820	U		220	820	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	200	U		21	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	400	U		120	400	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Phenanthrene, 3541 Low Solid*	40	U		6.5	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Anthracene, 3541 Low Solid*	40	U		8.7	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Carbazole, 3541 Low Solid*	200	U		24	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	200	U		24	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzidine, 3541 Low Solid*	820	U		180	820	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Fluoranthene, 3541 Low Solid*	40	U		7.6	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Pyrene, 3541 Low Solid*	40	U		9.1	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzo(a)anthracene, 3541 Low Solid*	40	U		7.9	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO017D-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-5
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	40	U		8.2	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	200	U		41	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	200	U		86	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	200	U		36	200	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	40	U		10	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	40	U		11	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzo(a)pyrene, 3541 Low Solid*	40	U		4.6	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	40	U		8.0	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	40	U		8.2	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	40	U		11	40	1.00000	ug/Kg	175049		03/01/06 2219	dpk
Method	% Solids Determination											
	% Solids, Solid	81.7			0.10	0.10	1	%	173852		02/22/06 1339	pfk
	% Moisture, Solid	18.3			0.10	0.10	1	%	173852		02/22/06 1339	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.041			0.0075	0.040	1	mg/Kg	174122		02/23/06 1609	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.83	B		0.41	1.1	1	mg/Kg	174081		02/24/06 0219	tds
	Barium, Solid*	63			0.080	1.1	1	mg/Kg	174081		02/24/06 0219	tds
	Cadmium, Solid*	0.22	U		0.065	0.22	1	mg/Kg	174081		02/24/06 0219	tds
	Chromium, Solid*	3.8			0.11	1.1	1	mg/Kg	174081		02/24/06 0219	tds
	Lead, Solid*	6.5			0.28	0.56	1	mg/Kg	174081		02/24/06 0219	tds
	Selenium, Solid*	1.1	U		0.50	1.1	1	mg/Kg	174081		02/24/06 0219	tds
	Silver, Solid*	0.56	U		0.11	0.56	1	mg/Kg	174081		02/24/06 0219	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17C-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-6
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	210	U		50	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	210	U		27	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	210	U		29	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzyl alcohol, 3541 Low Solid*	410	U	*	140	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	210	U		33	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid	210	U		33	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	210	U		35	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Hexachloroethane, 3541 Low Solid*	210	U		33	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid	210	U		39	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2-Chlorophenol, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Nitrobenzene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	210	U		30	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	210	U		30	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzoic acid, 3541 Low Solid*	2100	U		880	2100	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Isophorone, 3541 Low Solid*	210	U		30	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	410	U		97	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Hexachlorobutadiene, 3541 Low Solid*	210	U		47	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Naphthalene, 3541 Low Solid*	41	U		8.1	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	410	U		69	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4-Chloroaniline, 3541 Low Solid*	820	U		89	820	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	410	U		83	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	410	U		91	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	820	U		140	820	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2-Methylnaphthalene, 3541 Low Solid*	210	U		45	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2-Nitroaniline, 3541 Low Solid*	210	U		41	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2-Chloronaphthalene, 3541 Low Solid*	210	U		27	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0017C-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-6
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	410	U		67	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2-Nitrophenol, 3541 Low Solid*	410	U		92	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	3-Nitroaniline, 3541 Low Solid*	410	U		53	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Dimethyl phthalate, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	820	U		330	820	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Acenaphthylene, 3541 Low Solid*	41	U		8.0	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	210	U		46	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Acenaphthene, 3541 Low Solid*	41	U		7.9	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Dibenzofuran, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4-Nitrophenol, 3541 Low Solid*	820	U		230	820	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Fluorene, 3541 Low Solid*	41	U		7.7	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4-Nitroaniline, 3541 Low Solid*	410	U		58	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	210	U		24	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Hexachlorobenzene, 3541 Low Solid*	82	U		23	82	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Diethyl phthalate, 3541 Low Solid*	210	U		44	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	210	U		42	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Pentachlorophenol, 3541 Low Solid*	820	U		230	820	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	210	U		21	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	410	U		120	410	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Phenanthrene, 3541 Low Solid*	41	U		6.5	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Anthracene, 3541 Low Solid*	41	U		8.7	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Carbazole, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzidine, 3541 Low Solid*	820	U		180	820	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Fluoranthene, 3541 Low Solid*	41	U		7.6	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Pyrene, 3541 Low Solid*	41	U		9.2	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	210	U		30	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzo(a)anthracene, 3541 Low Solid*	41	U		8.0	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17C-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-6
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	41	U		8.2	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	210	U		41	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	210	U		87	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	210	U		36	210	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	41	U		10	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzo(a)pyrene, 3541 Low Solid*	41	U		4.7	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	41	U		8.1	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	41	U		8.2	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	175049		03/01/06 2241	dpk
Method	% Solids Determination											
	% Solids, Solid	81.3			0.10	0.10	1	%	173852		02/22/06 1340	pfk
	% Moisture, Solid	18.7			0.10	0.10	1	%	173852		02/22/06 1340	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.061			0.0075	0.041	1	mg/Kg	174122		02/23/06 1616	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.54	B		0.40	1.1	1	mg/Kg	174081		02/24/06 0224	tds
	Barium, Solid*	120			0.079	1.1	1	mg/Kg	174081		02/24/06 0224	tds
	Cadmium, Solid*	0.22	U		0.063	0.22	1	mg/Kg	174081		02/24/06 0224	tds
	Chromium, Solid*	3.0			0.11	1.1	1	mg/Kg	174081		02/24/06 0224	tds
	Lead, Solid*	7.4			0.27	0.55	1	mg/Kg	174081		02/24/06 0224	tds
	Selenium, Solid*	1.1	U		0.49	1.1	1	mg/Kg	174081		02/24/06 0224	tds
	Silver, Solid*	0.55	U		0.11	0.55	1	mg/Kg	174081		02/24/06 0224	tds

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S00178-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 16:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-7
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	210	U		51	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	210	U		27	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	210	U		29	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzyl alcohol, 3541 Low Solid*	410	U	*	150	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	210	U		34	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	210	U		33	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	210	U		36	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Hexachloroethane, 3541 Low Solid*	210	U		34	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	210	U		40	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2-Chlorophenol, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Nitrobenzene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzoic acid, 3541 Low Solid*	2100	U		900	2100	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Isophorone, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	410	U		98	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Hexachlorobutadiene, 3541 Low Solid*	210	U		48	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Naphthalene, 3541 Low Solid*	41	U		8.3	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	410	U		70	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4-Chloroaniline, 3541 Low Solid*	840	U		90	840	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	410	U		85	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	410	U		92	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	840	U		140	840	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2-Methylnaphthalene, 3541 Low Solid*	210	U		46	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2-Nitroaniline, 3541 Low Solid*	210	U		42	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2-Chloronaphthalene, 3541 Low Solid*	210	U		27	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17B-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 16:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-7
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	410	U		68	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2-Nitrophenol, 3541 Low Solid*	410	U		94	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	3-Nitroaniline, 3541 Low Solid*	410	U		54	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Dimethyl phthalate, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	840	U		330	840	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Acenaphthylene, 3541 Low Solid*	41	U		8.1	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	210	U		47	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Acenaphthene, 3541 Low Solid*	41	U		8.0	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Dibenzofuran, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4-Nitrophenol, 3541 Low Solid*	840	U		230	840	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Fluorene, 3541 Low Solid*	41	U		7.9	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4-Nitroaniline, 3541 Low Solid*	410	U		59	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	210	U		24	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Hexachlorobenzene, 3541 Low Solid*	84	U		24	84	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Diethyl phthalate, 3541 Low Solid*	210	U		45	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	210	U		42	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Pentachlorophenol, 3541 Low Solid*	840	U		230	840	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	210	U		21	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	410	U		120	410	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Phenanthrene, 3541 Low Solid*	41	U		6.6	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Anthracene, 3541 Low Solid*	41	U		8.9	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Carbazole, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzidine, 3541 Low Solid*	840	U		180	840	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Fluoranthene, 3541 Low Solid*	41	U		7.8	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Pyrene, 3541 Low Solid*	41	U		9.4	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	210	U		30	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzo(a)anthracene, 3541 Low Solid*	41	U		8.1	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17B-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 16:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-7
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	41	U		8.4	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	210	U		42	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	210	U		88	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	210	U		37	210	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	41	U		10	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzo(a)pyrene, 3541 Low Solid*	41	U		4.8	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	41	U		8.3	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	41	U		8.4	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	175049		03/01/06 2304	dpk
Method	% Solids Determination											
	% Solids, Solid	78.6			0.10	0.10	1	%	173852		02/22/06 1341	pfk
	% Moisture, Solid	21.4			0.10	0.10	1	%	173852		02/22/06 1341	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.040	B		0.0078	0.042	1	mg/Kg	174122		02/23/06 1618	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.51	B		0.46	1.2	1	mg/Kg	174081		02/24/06 0228	tds
	Barium, Solid*	48			0.090	1.2	1	mg/Kg	174081		02/24/06 0228	tds
	Cadmium, Solid*	0.25	U		0.072	0.25	1	mg/Kg	174081		02/24/06 0228	tds
	Chromium, Solid*	3.4			0.12	1.2	1	mg/Kg	174081		02/24/06 0228	tds
	Lead, Solid*	6.1			0.31	0.62	1	mg/Kg	174081		02/24/06 0228	tds
	Selenium, Solid*	1.2	U		0.56	1.2	1	mg/Kg	174081		02/24/06 0228	tds
	Silver, Solid*	0.62	U		0.12	0.62	1	mg/Kg	174081		02/24/06 0228	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0017A-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-8
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	210	U		50	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	210	U		27	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	210	U		29	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzyl alcohol, 3541 Low Solid*	410	U	*	140	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	210	U		34	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	210	U		33	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	210	U		36	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Hexachloroethane, 3541 Low Solid*	210	U		34	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	210	U		40	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2-Chlorophenol, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Nitrobenzene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	210	U		31	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzoic acid, 3541 Low Solid*	2100	U		900	2100	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Isophorone, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	410	U		98	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Hexachlorobutadiene, 3541 Low Solid*	210	U		48	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Naphthalene, 3541 Low Solid*	41	U		8.2	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	410	U		70	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4-Chloroaniline, 3541 Low Solid*	830	U		90	830	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	410	U		84	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	410	U		92	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	830	U		140	830	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2-Methylnaphthalene, 3541 Low Solid*	210	U		46	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2-Nitroaniline, 3541 Low Solid*	210	U		42	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2-Chloronaphthalene, 3541 Low Solid*	210	U		27	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0017A-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-8
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	410	U		68	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2-Nitrophenol, 3541 Low Solid*	410	U		93	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	3-Nitroaniline, 3541 Low Solid*	410	U		54	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Dimethyl phthalate, 3541 Low Solid*	210	U		31	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	830	U		330	830	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Acenaphthylene, 3541 Low Solid*	41	U		8.1	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	210	U		47	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Acenaphthene, 3541 Low Solid*	41	U		8.0	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Dibenzofuran, 3541 Low Solid*	210	U		32	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4-Nitrophenol, 3541 Low Solid*	830	U		230	830	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Fluorene, 3541 Low Solid*	41	U		7.8	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4-Nitroaniline, 3541 Low Solid*	410	U		59	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	210	U		24	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Hexachlorobenzene, 3541 Low Solid*	83	U		24	83	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Diethyl phthalate, 3541 Low Solid*	210	U		44	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	210	U		42	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Pentachlorophenol, 3541 Low Solid*	830	U		230	830	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	210	U		21	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	410	U		120	410	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Phenanthrene, 3541 Low Solid*	41	U		6.6	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Anthracene, 3541 Low Solid*	41	U		8.8	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Carbazole, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzidine, 3541 Low Solid*	830	U		180	830	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Fluoranthene, 3541 Low Solid*	41	U		7.7	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Pyrene, 3541 Low Solid*	41	U		9.3	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	210	U		30	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzo(a)anthracene, 3541 Low Solid*	41	U		8.1	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO17A-5-7-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-8
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	41	U		8.3	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	210	U		42	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	210	U		88	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	210	U		37	210	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	41	U		10	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzo(a)pyrene, 3541 Low Solid*	41	U		4.7	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	41	U		8.2	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	41	U		8.3	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	175049		03/02/06 1834	dpk
Method	% Solids Determination											
	% Solids, Solid	79.8			0.10	0.10	1	%	173852		02/22/06 1343	pfk
	% Moisture, Solid	20.2			0.10	0.10	1	%	173852		02/22/06 1343	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.036	B		0.0076	0.041	1	mg/Kg	174122		02/23/06 1620	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.49	B		0.44	1.2	1	mg/Kg	174081		02/24/06 0233	tds
	Barium, Solid*	35			0.086	1.2	1	mg/Kg	174081		02/24/06 0233	tds
	Cadmium, Solid*	0.24	U		0.069	0.24	1	mg/Kg	174081		02/24/06 0233	tds
	Chromium, Solid*	2.3			0.12	1.2	1	mg/Kg	174081		02/24/06 0233	tds
	Lead, Solid*	5.9			0.30	0.60	1	mg/Kg	174081		02/24/06 0233	tds
	Selenium, Solid*	1.2	U		0.54	1.2	1	mg/Kg	174081		02/24/06 0233	tds
	Silver, Solid*	0.60	U		0.12	0.60	1	mg/Kg	174081		02/24/06 0233	tds

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO18D-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-9
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	200	U		47	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	200	U		25	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	200	U		27	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzyl alcohol, 3541 Low Solid*	390	U	*	140	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	200	U		32	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	200	U		31	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	200	U		34	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Hexachloroethane, 3541 Low Solid*	200	U		32	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	200	U		38	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2-Chlorophenol, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Nitrobenzene, 3541 Low Solid*	39	U		11	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	200	U		29	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzoic acid, 3541 Low Solid*	2000	U		840	2000	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Isophorone, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	390	U		92	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Hexachlorobutadiene, 3541 Low Solid*	200	U		45	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Naphthalene, 3541 Low Solid*	9.9	J		7.8	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	390	U		66	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4-Chloroaniline, 3541 Low Solid*	790	U		85	790	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	390	U		80	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	390	U		87	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	790	U		130	790	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2-Methylnaphthalene, 3541 Low Solid*	200	U		43	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2-Nitroaniline, 3541 Low Solid*	200	U		40	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2-Chloronaphthalene, 3541 Low Solid*	200	U		25	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018D-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-9
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	390	U		64	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2-Nitrophenol, 3541 Low Solid*	390	U		88	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	3-Nitroaniline, 3541 Low Solid*	390	U		51	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Dimethyl phthalate, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	790	U		310	790	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Acenaphthylene, 3541 Low Solid*	39	U		7.6	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	200	U		44	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Acenaphthene, 3541 Low Solid*	39	U		7.5	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Dibenzofuran, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4-Nitrophenol, 3541 Low Solid*	790	U		220	790	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Fluorene, 3541 Low Solid*	39	U		7.4	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4-Nitroaniline, 3541 Low Solid*	390	U		55	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	200	U		23	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Hexachlorobenzene, 3541 Low Solid*	79	U		22	79	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Diethyl phthalate, 3541 Low Solid*	200	U		42	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	200	U		40	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Pentachlorophenol, 3541 Low Solid*	790	U		220	790	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	200	U		20	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	390	U		110	390	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Phenanthrene, 3541 Low Solid*	23	J		6.2	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Anthracene, 3541 Low Solid*	39	U		8.3	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Carbazole, 3541 Low Solid*	200	U		23	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	200	U		23	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzidine, 3541 Low Solid*	790	U		170	790	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Fluoranthene, 3541 Low Solid*	11	J		7.3	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Pyrene, 3541 Low Solid*	11	J		8.8	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	200	U		28	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzo(a)anthracene, 3541 Low Solid*	11	J		7.6	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018D-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-9
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	13	J		7.9	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	200	U		39	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	200	U		83	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	200	U		35	200	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	22	J	M	9.6	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	39	U		11	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzo(a)pyrene, 3541 Low Solid*	9.3	J		4.5	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	12	J		7.8	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	39	U		7.9	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	19	J		10	39	1.00000	ug/Kg	175049		03/02/06 1900	dpk
Method	% Solids Determination											
	% Solids, Solid	84.6			0.10	0.10	1	%	173852		02/22/06 1344	pfk
	% Moisture, Solid	15.4			0.10	0.10	1	%	173852		02/22/06 1344	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.35			0.0072	0.039	1	mg/Kg	174122		02/23/06 1622	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.6			0.43	1.2	1	mg/Kg	174081		02/24/06 0300	tds
	Barium, Solid*	38			0.084	1.2	1	mg/Kg	174081		02/24/06 0300	tds
	Cadmium, Solid*	0.23			0.067	0.23	1	mg/Kg	174081		02/24/06 0300	tds
	Chromium, Solid*	2.2			0.12	1.2	1	mg/Kg	174081		02/24/06 0300	tds
	Lead, Solid*	56			0.29	0.58	1	mg/Kg	174081		02/24/06 0300	tds
	Selenium, Solid*	1.2	U		0.52	1.2	1	mg/Kg	174081		02/24/06 0300	tds
	Silver, Solid*	0.58	U		0.12	0.58	1	mg/Kg	174081		02/24/06 0300	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 244450

LABORATORY TEST RESULTS

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-S0018C-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:50
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-10
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	180	U		45	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	180	U		24	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	180	U		26	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzyl alcohol, 3541 Low Solid*	360	U	*	130	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	180	U		30	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	180	U		29	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	180	U		32	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Hexachloroethane, 3541 Low Solid*	180	U		30	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	180	U		35	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2-Chlorophenol, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Nitrobenzene, 3541 Low Solid*	36	U		10	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	180	U		27	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzoic acid, 3541 Low Solid*	1800	U		790	1800	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Isophorone, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	360	U		87	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Hexachlorobutadiene, 3541 Low Solid*	180	U		42	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Naphthalene, 3541 Low Solid*	36	U		7.3	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	360	U		62	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4-Chloroaniline, 3541 Low Solid*	740	U		80	740	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	360	U		75	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	360	U		81	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	740	U		130	740	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2-Methylnaphthalene, 3541 Low Solid*	180	U		41	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2-Nitroaniline, 3541 Low Solid*	180	U		37	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2-Chloronaphthalene, 3541 Low Solid*	180	U		24	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SOO18C-O-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:50
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-10
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	4-Chloro-3-methylphenol, 3541 Low Solid*	360	U		60	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2-Nitrophenol, 3541 Low Solid*	360	U		83	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	3-Nitroaniline, 3541 Low Solid*	360	U		48	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Dimethyl phthalate, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	740	U		290	740	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Acenaphthylene, 3541 Low Solid*	36	U		7.2	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	180	U		41	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Acenaphthene, 3541 Low Solid*	36	U		7.1	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Dibenzofuran, 3541 Low Solid*	180	U		28	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4-Nitrophenol, 3541 Low Solid*	740	U		210	740	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Fluorene, 3541 Low Solid*	36	U		7.0	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4-Nitroaniline, 3541 Low Solid*	360	U		52	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	180	U		21	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Hexachlorobenzene, 3541 Low Solid*	74	U		21	74	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Diethyl phthalate, 3541 Low Solid*	180	U		39	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	180	U		37	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Pentachlorophenol, 3541 Low Solid*	740	U		200	740	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	180	U		19	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	360	U		110	360	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Phenanthrene, 3541 Low Solid*	36	U		5.8	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Anthracene, 3541 Low Solid*	36	U		7.8	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Carbazole, 3541 Low Solid*	180	U		21	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	180	U		22	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzidine, 3541 Low Solid*	740	U		160	740	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Fluoranthene, 3541 Low Solid*	36	U		6.8	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Pyrene, 3541 Low Solid*	36	U		8.3	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzo(a)anthracene, 3541 Low Solid*	36	U		7.2	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018C-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:50
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-10
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	36	U		7.4	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	180	U		37	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	180	U		78	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	180	U		33	180	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	36	U		9.0	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	36	U		10	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzo(a)pyrene, 3541 Low Solid*	36	U		4.2	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	36	U		7.3	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	36	U		7.4	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	36	U		9.8	36	1.00000	ug/Kg	175049		03/03/06 1512	dpk
Method	% Solids Determination											
	% Solids, Solid	88.8			0.10	0.10	1	%	173852		02/22/06 1346	pfk
	% Moisture, Solid	11.2			0.10	0.10	1	%	173852		02/22/06 1346	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.046			0.0069	0.037	1	mg/Kg	174122		02/23/06 1625	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.60	B		0.38	1.0	1	mg/Kg	174081		02/24/06 0304	tds
	Barium, Solid*	9.2			0.074	1.0	1	mg/Kg	174081		02/24/06 0304	tds
	Cadmium, Solid*	0.21			0.059	0.21	1	mg/Kg	174081		02/24/06 0304	tds
	Chromium, Solid*	2.5			0.10	1.0	1	mg/Kg	174081		02/24/06 0304	tds
	Lead, Solid*	9.8			0.26	0.51	1	mg/Kg	174081		02/24/06 0304	tds
	Selenium, Solid*	1.0	U		0.46	1.0	1	mg/Kg	174081		02/24/06 0304	tds
	Silver, Solid*	0.51	U		0.10	0.51	1	mg/Kg	174081		02/24/06 0304	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018B-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:40
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-11
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	200	U		48	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	200	U		26	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	200	U		27	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzyl alcohol, 3541 Low Solid*	390	U	*	140	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	200	U		32	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	200	U		31	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	200	U		34	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Hexachloroethane, 3541 Low Solid*	200	U		32	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	200	U		38	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2-Chlorophenol, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Nitrobenzene, 3541 Low Solid*	39	U		11	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	200	U		29	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzoic acid, 3541 Low Solid*	2000	U		850	2000	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Isophorone, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	390	U		93	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Hexachlorobutadiene, 3541 Low Solid*	200	U		45	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Naphthalene, 3541 Low Solid*	35	J		7.8	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	390	U		66	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4-Chloroaniline, 3541 Low Solid*	790	U		85	790	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	390	U		80	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	390	U		87	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	790	U		130	790	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2-Methylnaphthalene, 3541 Low Solid*	200	U		43	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2-Nitroaniline, 3541 Low Solid*	200	U		40	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2-Chloronaphthalene, 3541 Low Solid*	200	U		26	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018B-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:40
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-11
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	390	U		64	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2-Nitrophenol, 3541 Low Solid*	390	U		88	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	3-Nitroaniline, 3541 Low Solid*	390	U		51	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Dimethyl phthalate, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	790	U		310	790	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Acenaphthylene, 3541 Low Solid*	39	U		7.7	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	200	U		44	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Acenaphthene, 3541 Low Solid*	39	U		7.5	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Dibenzofuran, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4-Nitrophenol, 3541 Low Solid*	790	U		220	790	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Fluorene, 3541 Low Solid*	39	U		7.4	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4-Nitroaniline, 3541 Low Solid*	390	U		56	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	200	U		23	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Hexachlorobenzene, 3541 Low Solid*	79	U		23	79	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Diethyl phthalate, 3541 Low Solid*	200	U		42	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	200	U		40	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Pentachlorophenol, 3541 Low Solid*	790	U		220	790	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	200	U		20	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	390	U		110	390	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Phenanthrene, 3541 Low Solid*	59			6.2	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Anthracene, 3541 Low Solid*	40			8.4	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Carbazole, 3541 Low Solid*	200	U		23	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	200	U		23	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzidine, 3541 Low Solid*	790	U		170	790	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Fluoranthene, 3541 Low Solid*	110			7.3	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Pyrene, 3541 Low Solid*	93			8.8	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	200	U		28	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzo(a)anthracene, 3541 Low Solid*	78			7.7	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SO018B-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:40
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-11
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	120			7.9	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	200	U		39	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	200	U		83	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	200	U		35	200	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	180		M	9.7	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	93		M	11	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzo(a)pyrene, 3541 Low Solid*	34	J		4.5	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	58			7.8	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	17	J		7.9	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	74			10	39	1.00000	ug/Kg	175049		03/03/06 1538	dpk
Method	% Solids Determination											
	% Solids, Solid	83.3			0.10	0.10	1	%	173852		02/22/06 1347	pfk
	% Moisture, Solid	16.7			0.10	0.10	1	%	173852		02/22/06 1347	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.18			0.0073	0.040	1	mg/Kg	174122		02/23/06 1627	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	2.7			0.43	1.2	1	mg/Kg	174081		02/24/06 0309	tds
	Barium, Solid*	83			0.084	1.2	1	mg/Kg	174081		02/24/06 0309	tds
	Cadmium, Solid*	0.18	B		0.067	0.23	1	mg/Kg	174081		02/24/06 0309	tds
	Chromium, Solid*	4.9			0.12	1.2	1	mg/Kg	174081		02/24/06 0309	tds
	Lead, Solid*	220			0.29	0.58	1	mg/Kg	174081		02/24/06 0309	tds
	Selenium, Solid*	1.2	U		0.52	1.2	1	mg/Kg	174081		02/24/06 0309	tds
	Silver, Solid*	0.29	B		0.12	0.58	1	mg/Kg	174081		02/24/06 0309	tds

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018A-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-12
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	2000	U		310	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	2000	U		480	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	2000	U		260	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	2000	U		280	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzyl alcohol, 3541 Low Solid*	4000	U	*	1400	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	2000	U		320	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	2000	U		320	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	2000	U		340	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Hexachloroethane, 3541 Low Solid*	2000	U		320	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	2000	U		380	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2-Chlorophenol, 3541 Low Solid*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Nitrobenzene, 3541 Low Solid*	400	U		110	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzoic acid, 3541 Low Solid*	20000	U		8600	20000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Isophorone, 3541 Low Solid*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	4000	U		940	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Hexachlorobutadiene, 3541 Low Solid*	2000	U		460	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Naphthalene, 3541 Low Solid*	91	J		79	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	4000	U		670	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4-Chloroaniline, 3541 Low Solid*	8000	U		870	8000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	4000	U		810	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	4000	U		880	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	8000	U		1400	8000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2-Methylnaphthalene, 3541 Low Solid*	2000	U		440	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2-Nitroaniline, 3541 Low Solid*	2000	U		400	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2-Chloronaphthalene, 3541 Low Solid*	2000	U		260	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-S0018A-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-12
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	4000	U		650	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2-Nitrophenol, 3541 Low Solid*	4000	U		900	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	3-Nitroaniline, 3541 Low Solid*	4000	U		520	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Dimethyl phthalate, 3541 Low Solid*	2000	U		300	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	8000	U		3200	8000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Acenaphthylene, 3541 Low Solid*	400	U		78	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	2000	U		450	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Acenaphthene, 3541 Low Solid*	400	U		77	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Dibenzofuran, 3541 Low Solid*	2000	U		310	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4-Nitrophenol, 3541 Low Solid*	8000	U		2200	8000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Fluorene, 3541 Low Solid*	400	U		76	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4-Nitroaniline, 3541 Low Solid*	4000	U		570	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	2000	U		230	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Hexachlorobenzene, 3541 Low Solid*	800	U		230	800	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Diethyl phthalate, 3541 Low Solid*	2000	U		430	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	2000	U		410	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Pentachlorophenol, 3541 Low Solid*	8000	U		2200	8000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	2000	U		200	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	4000	U		1200	4000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Phenanthrene, 3541 Low Solid*	120	J		64	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Anthracene, 3541 Low Solid*	400	U		85	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Carbazole, 3541 Low Solid*	2000	U		230	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	2000	U		230	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzidine, 3541 Low Solid*	8000	U		1700	8000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Fluoranthene, 3541 Low Solid*	97	J		74	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Pyrene, 3541 Low Solid*	400	U		90	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	2000	U		290	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzo(a)anthracene, 3541 Low Solid*	400	U		78	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk

* In Description = Dry Wgt.

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Job Number: 244450

LABORATORY TEST RESULTS

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-S0018A-0-2-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-12
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, 3541 Low Solid*	83	J		80	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	2000	U		400	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	2000	U		850	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	2000	U		350	2000	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	150	J	M	98	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	400	U		110	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzo(a)pyrene, 3541 Low Solid*	83	J		46	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	100	J		79	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	400	U		80	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	150	J		110	400	1.00000	ug/Kg	175049		03/07/06 0010	dpk
Method	% Solids Determination											
	% Solids, Solid	83.0			0.10	0.10	1	%	173852		02/22/06 1349	pfk
	% Moisture, Solid	17.0			0.10	0.10	1	%	173852		02/22/06 1349	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.89			0.037	0.20	5	mg/Kg	174122		02/23/06 1701	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	2.2			0.42	1.1	1	mg/Kg	174081		02/24/06 0314	tds
	Barium, Solid*	38			0.081	1.1	1	mg/Kg	174081		02/24/06 0314	tds
	Cadmium, Solid*	0.19	B		0.065	0.23	1	mg/Kg	174081		02/24/06 0314	tds
	Chromium, Solid*	4.8			0.11	1.1	1	mg/Kg	174081		02/24/06 0314	tds
	Lead, Solid*	120			0.28	0.56	1	mg/Kg	174081		02/24/06 0314	tds
	Selenium, Solid*	1.1	U		0.51	1.1	1	mg/Kg	174081		02/24/06 0314	tds
	Silver, Solid*	0.14	B		0.11	0.56	1	mg/Kg	174081		02/24/06 0314	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP101-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-13
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	190	U		46	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	190	U		25	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	190	U		26	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzyl alcohol, 3541 Low Solid*	370	U	*	130	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	190	U		30	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid	190	U		30	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	190	U		32	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Hexachloroethane, 3541 Low Solid*	190	U		31	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid	190	U		36	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2-Chlorophenol, 3541 Low Solid*	190	U		28	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Nitrobenzene, 3541 Low Solid*	37	U		11	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	190	U		28	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	190	U		28	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzoic acid, 3541 Low Solid*	1900	U		810	1900	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Isophorone, 3541 Low Solid*	190	U		28	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	370	U		89	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Hexachlorobutadiene, 3541 Low Solid*	190	U		43	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Naphthalene, 3541 Low Solid*	37	U		7.5	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	370	U		63	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4-Chloroaniline, 3541 Low Solid*	760	U		82	760	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	370	U		77	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	370	U		84	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	760	U		130	760	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2-Methylnaphthalene, 3541 Low Solid*	190	U		42	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2-Nitroaniline, 3541 Low Solid*	190	U		38	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2-Chloronaphthalene, 3541 Low Solid*	190	U		25	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450 Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP101-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-13
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	370	U		62	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	190	U		28	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2-Nitrophenol, 3541 Low Solid*	370	U		85	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	3-Nitroaniline, 3541 Low Solid*	370	U		49	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Dimethyl phthalate, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	760	U		300	760	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Acenaphthylene, 3541 Low Solid*	37	U		7.4	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	190	U		43	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Acenaphthene, 3541 Low Solid*	37	U		7.2	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Dibenzofuran, 3541 Low Solid*	190	U		29	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4-Nitrophenol, 3541 Low Solid*	760	U		210	760	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Fluorene, 3541 Low Solid*	37	U		7.1	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4-Nitroaniline, 3541 Low Solid*	370	U		53	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	190	U		22	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Hexachlorobenzene, 3541 Low Solid*	76	U		22	76	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Diethyl phthalate, 3541 Low Solid*	190	U		40	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	190	U		38	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Pentachlorophenol, 3541 Low Solid*	760	U		210	760	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	190	U		19	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	370	U		110	370	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Phenanthrene, 3541 Low Solid*	37	U		6.0	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Anthracene, 3541 Low Solid*	37	U		8.0	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Carbazole, 3541 Low Solid*	190	U		22	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	190	U		22	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzidine, 3541 Low Solid*	760	U		160	760	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Fluoranthene, 3541 Low Solid*	37	U		7.0	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Pyrene, 3541 Low Solid*	37	U		8.5	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	190	U		27	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzo(a)anthracene, 3541 Low Solid*	37	U		7.4	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: NCA-SODUP101-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-13
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
	Chrysene, 3541 Low Solid*	37	U		7.6	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	190	U		38	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	190	U		80	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	190	U		34	190	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	37	U		9.3	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	37	U		10	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzo(a)pyrene, 3541 Low Solid*	37	U		4.3	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	37	U		7.5	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	37	U		7.6	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	37	U		10	37	1.00000	ug/Kg	175049		03/03/06 1721	dpk
Method	% Solids Determination											
	% Solids, Solid	87.7			0.10	0.10	1	%	173852		02/22/06 1351	pfk
	% Moisture, Solid	12.3			0.10	0.10	1	%	173852		02/22/06 1351	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.066			0.0070	0.038	1	mg/Kg	174122		02/23/06 1638	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	0.68	B		0.39	1.1	1	mg/Kg	174081		02/24/06 0336	tds
	Barium, Solid*	10			0.076	1.1	1	mg/Kg	174081		02/24/06 0336	tds
	Cadmium, Solid*	0.066	B		0.061	0.21	1	mg/Kg	174081		02/24/06 0336	tds
	Chromium, Solid*	2.6			0.11	1.1	1	mg/Kg	174081		02/24/06 0336	tds
	Lead, Solid*	8.5			0.26	0.53	1	mg/Kg	174081		02/24/06 0336	tds
	Selenium, Solid*	1.1	U		0.47	1.1	1	mg/Kg	174081		02/24/06 0336	tds
	Silver, Solid*	0.53	U		0.11	0.53	1	mg/Kg	174081		02/24/06 0336	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 08:05
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-14
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	200	U		48	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	200	U		26	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	200	U		28	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzyl alcohol, 3541 Low Solid*	400	U	*	140	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	200	U		32	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	200	U		32	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	200	U		34	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Hexachloroethane, 3541 Low Solid*	200	U		32	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	200	U		38	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2-Chlorophenol, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Nitrobenzene, 3541 Low Solid*	40	U		11	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzoic acid, 3541 Low Solid*	2000	U		860	2000	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Isophorone, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	400	U		94	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Hexachlorobutadiene, 3541 Low Solid*	200	U		46	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Naphthalene, 3541 Low Solid*	40	U		7.9	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	400	U		67	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4-Chloroaniline, 3541 Low Solid*	800	U		86	800	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	400	U		81	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	400	U		88	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	800	U		140	800	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2-Methylnaphthalene, 3541 Low Solid*	200	U		44	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2-Nitroaniline, 3541 Low Solid*	200	U		40	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2-Chloronaphthalene, 3541 Low Solid*	200	U		26	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 08:05
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-14
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	400	U		65	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2-Nitrophenol, 3541 Low Solid*	400	U		90	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	3-Nitroaniline, 3541 Low Solid*	400	U		52	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Dimethyl phthalate, 3541 Low Solid*	200	U		30	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	800	U		320	800	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Acenaphthylene, 3541 Low Solid*	40	U		7.8	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	200	U		45	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Acenaphthene, 3541 Low Solid*	40	U		7.7	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Dibenzofuran, 3541 Low Solid*	200	U		31	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4-Nitrophenol, 3541 Low Solid*	800	U		220	800	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Fluorene, 3541 Low Solid*	40	U		7.5	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4-Nitroaniline, 3541 Low Solid*	400	U		57	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	200	U		23	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Hexachlorobenzene, 3541 Low Solid*	80	U		23	80	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Diethyl phthalate, 3541 Low Solid*	200	U		43	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	200	U		40	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Pentachlorophenol, 3541 Low Solid*	800	U		220	800	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	200	U		20	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	400	U		120	400	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Phenanthrene, 3541 Low Solid*	40	U		6.3	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Anthracene, 3541 Low Solid*	40	U		8.5	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Carbazole, 3541 Low Solid*	200	U		23	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	200	U		23	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzidine, 3541 Low Solid*	800	U		170	800	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Fluoranthene, 3541 Low Solid*	40	U		7.4	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Pyrene, 3541 Low Solid*	40	U		9.0	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	200	U		29	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzo(a)anthracene, 3541 Low Solid*	40	U		7.8	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: MCA-SODUP102-0206
Date Sampled.....: 02/18/2006
Time Sampled.....: 08:05
Sample Matrix.....: Soil

Laboratory Sample ID: 244450-14
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, 3541 Low Solid*	40	U		8.0	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	200	U		40	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	200	U		85	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	200	U		35	200	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	40	U		9.8	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	40	U		11	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzo(a)pyrene, 3541 Low Solid*	40	U		4.6	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	40	U		7.9	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	40	U		8.0	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	40	U		11	40	1.00000	ug/Kg	175049		03/03/06 1747	dpk
Method	% Solids Determination											
	% Solids, Solid	81.8			0.10	0.10	1	%	173852		02/22/06 1353	pfk
	% Moisture, Solid	18.2			0.10	0.10	1	%	173852		02/22/06 1353	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.020	B		0.0075	0.040	1	mg/Kg	174122		02/23/06 1640	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	1.1	U		0.42	1.1	1	mg/Kg	174081		02/24/06 0341	tds
	Barium, Solid*	18			0.082	1.1	1	mg/Kg	174081		02/24/06 0341	tds
	Cadmium, Solid*	0.23	U		0.066	0.23	1	mg/Kg	174081		02/24/06 0341	tds
	Chromium, Solid*	1.8			0.11	1.1	1	mg/Kg	174081		02/24/06 0341	tds
	Lead, Solid*	4.2			0.28	0.57	1	mg/Kg	174081		02/24/06 0341	tds
	Selenium, Solid*	1.1	U		0.51	1.1	1	mg/Kg	174081		02/24/06 0341	tds
	Silver, Solid*	0.57	U		0.11	0.57	1	mg/Kg	174081		02/24/06 0341	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN: Eric Evans

Customer Sample ID: EB021806
Date Sampled.....: 02/18/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 244450-15
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
7470A	Mercury (CVAA)											
	Mercury	0.00020	U		0.000075	0.00020	1	mg/L	173915		02/22/06 1411	gok
6010B	Metals Analysis (ICAP Trace)											
	Arsenic	0.010	U		0.0021	0.010	1	mg/L	174204		02/24/06 1847	tds
	Barium	0.0014	B		0.00032	0.010	1	mg/L	174204		02/24/06 1847	tds
	Cadmium	0.0020	U		0.00036	0.0020	1	mg/L	174204		02/24/06 1847	tds
	Chromium	0.010	U		0.0013	0.010	1	mg/L	174204		02/24/06 1847	tds
	Lead	0.0050	U		0.0026	0.0050	1	mg/L	174204		02/24/06 1847	tds
	Selenium	0.010	U		0.0042	0.010	1	mg/L	174204		02/24/06 1847	tds
	Silver	0.0050	U		0.00090	0.0050	1	mg/L	174204		02/24/06 1847	tds
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		1.3	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzyl alcohol, Low Level Water	19	U		3.3	19	1.00000	ug/L	174308		03/07/06 1527	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	174308		03/07/06 1527	glr
	Hexachloroethane, Low Level Water	4.9	U		1.7	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.74	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	2-Chlorophenol, Low Level Water	4.9	U		1.4	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Nitrobenzene, Low Level Water	0.97	U		0.38	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzoic acid, Low Level Water	19	U	*	8.1	19	1.00000	ug/L	174308		03/07/06 1527	glr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB021806
Date Sampled.....: 02/18/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 244450-15
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Isophorone, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.2	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		1.6	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Naphthalene, Low Level Water	0.97	U		0.083	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		1.2	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Chloroaniline, Low Level Water	9.7	U		1.2	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.77	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		0.94	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U		3.9	19	1.00000	ug/L	174308		03/07/06 1527	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.078	0.49	1.00000	ug/L	174308		03/07/06 1527	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.67	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		1.2	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.12	0.49	1.00000	ug/L	174308		03/07/06 1527	glr
	2-Nitrophenol, Low Level Water	9.7	U		1.5	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	3-Nitroaniline, Low Level Water	9.7	U		0.66	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	2,4-Dinitrophenol, Low Level Water	19	U		11	19	1.00000	ug/L	174308		03/07/06 1527	glr
	Acenaphthylene, Low Level Water	0.97	U		0.076	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.26	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Acenaphthene, Low Level Water	0.97	U		0.091	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Dibenzofuran, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Nitrophenol, Low Level Water	19	U		7.6	19	1.00000	ug/L	174308		03/07/06 1527	glr
	Fluorene, Low Level Water	0.97	U		0.077	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Nitroaniline, Low Level Water	9.7	U		1.5	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.93	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.16	0.49	1.00000	ug/L	174308		03/07/06 1527	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.16	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.87	4.9	1.00000	ug/L	174308		03/07/06 1527	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 244450

Date:03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Customer Sample ID: EB021806
Date Sampled.....: 02/18/2006
Time Sampled.....: 17:00
Sample Matrix.....: Water

Laboratory Sample ID: 244450-15
Date Received.....: 02/21/2006
Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Pentachlorophenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.27	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.0	19	1.00000	ug/L	174308		03/07/06 1527	glr
	Phenanthrene, Low Level Water	0.97	U		0.078	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Anthracene, Low Level Water	0.97	U		0.086	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Carbazole, Low Level Water	4.9	U		0.78	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		1.1	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzidine, Low Level Water	39	U	*	7.5	39	1.00000	ug/L	174308		03/07/06 1527	glr
	Fluoranthene, Low Level Water	0.97	U		0.045	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Pyrene, Low Level Water	0.97	U		0.075	0.97	1.00000	ug/L	174308		03/07/06 1527	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.12	0.19	1.00000	ug/L	174308		03/07/06 1527	glr
	Chrysene, Low Level Water	0.49	U		0.15	0.49	1.00000	ug/L	174308		03/07/06 1527	glr
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.94	4.9	1.00000	ug/L	174308		03/07/06 1527	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	9.7	U		6.4	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	Di-n-octyl phthalate, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzo(b)fluoranthene, Low Level Water	0.19	U		0.077	0.19	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzo(k)fluoranthene, Low Level Water	0.19	U		0.097	0.19	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzo(a)pyrene, Low Level Water	0.19	U		0.16	0.19	1.00000	ug/L	174308		03/07/06 1527	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.19	U		0.18	0.19	1.00000	ug/L	174308		03/07/06 1527	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.29	U		0.17	0.29	1.00000	ug/L	174308		03/07/06 1527	glr
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.17	0.97	1.00000	ug/L	174308		03/07/06 1527	glr

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 244450 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 244450-1 Client ID: MCA-S0016D-6-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1333	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
EDD	Electronic Data Deliverable	1					
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1601	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0201	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/02/2006	1925	1.00000

Lab ID: 244450-2 Client ID: MCA-S0016C-6-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1334	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1603	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0205	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/01/2006	2134	1.00000

Lab ID: 244450-3 Client ID: MCA-S0016B-6-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1336	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1605	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0210	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/01/2006	2156	1.00000

Lab ID: 244450-4 Client ID: MCA-S0016A-6-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1337	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1607	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0215	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/02/2006	1951	5.00000

Lab ID: 244450-5 Client ID: MCA-S0017D-5-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1339	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1609	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0219	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/01/2006	2219	1.00000

Lab ID: 244450-6 Client ID: MCA-S0017C-5-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1340	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1616	

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LABORATORY CHRONICLE

Job Number: 244450 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 244450-6 Client ID: MCA-S0017C-5-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006 0224	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006 1300	
8270C	Semivolatile Organics	1	175049	174070	03/01/2006 2241	1.00000

Lab ID: 244450-7 Client ID: MCA-S0017B-5-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006 1341	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006 1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006 0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006 1618	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006 0228	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006 1300	
8270C	Semivolatile Organics	1	175049	174070	03/01/2006 2304	1.00000

Lab ID: 244450-8 Client ID: MCA-S0017A-5-7-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006 1343	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006 1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006 0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006 1620	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006 0233	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006 1300	
8270C	Semivolatile Organics	1	175049	174070	03/02/2006 1834	1.00000

Lab ID: 244450-9 Client ID: MCA-S0018D-0-2-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006 1344	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006 1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006 0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006 1622	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006 0300	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006 1300	
8270C	Semivolatile Organics	1	175049	174070	03/02/2006 1900	1.00000

Lab ID: 244450-10 Client ID: MCA-S0018C-0-2-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006 1346	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006 1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006 0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006 1625	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006 0304	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006 1300	
8270C	Semivolatile Organics	1	175049	174070	03/03/2006 1512	1.00000

Lab ID: 244450-11 Client ID: MCA-S0018B-0-2-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006 1347	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006 1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006 0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006 1627	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006 0309	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006 1300	
8270C	Semivolatile Organics	1	175049	174070	03/03/2006 1538	1.00000

Lab ID: 244450-12 Client ID: MCA-S0018A-0-2-0206 Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006 1349	

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LABORATORY CHRONICLE

Job Number: 244450 Date: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Lab ID: 244450-12 Client ID: MCA-S0018A-0-2-0206
Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1701	5
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0314	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/07/2006	0010	1.00000

Lab ID: 244450-13 Client ID: MCA-SODUP101-0206
Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1351	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1638	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0336	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/03/2006	1721	1.00000

Lab ID: 244450-14 Client ID: MCA-SODUP102-0206
Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	173852	173852	02/22/2006	1353	
3050B	Acid Digestion: Solids (ICAP)	1	173929		02/22/2006	1820	
3541	Extraction Soxhlet (SVOC)	1	174070		02/24/2006	0800	
7471A	Mercury (CVAA) Solids	1	174122	174121	02/23/2006	1640	
6010B	Metals Analysis (ICAP Trace)	1	174081	173929	02/24/2006	0341	
7470/7471	SW846 Digestion (Hg)	1	174121		02/23/2006	1300	
8270C	Semivolatile Organics	1	175049	174070	03/03/2006	1747	1.00000

Lab ID: 244450-15 Client ID: EB021806
Date Recvd: 02/21/2006 Sample Date: 02/18/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion (ICAP)	1	174046		02/24/2006	1845	
3510C	Extraction Sep. Funnel (SVOC)	1	174036		02/23/2006	1600	
7470A	Mercury (CVAA)	1	173915	173913	02/22/2006	1411	
6010B	Metals Analysis (ICAP Trace)	1	174204	174046	02/24/2006	1847	
7470/7471	SW846 Digestion (Hg)	1	173913		02/22/2006	1000	
8270C	Semivolatile Organics	1	174308	174036	03/07/2006	1527	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Method.....: Semivolatile Organics
Method Code...: 8270
Test Matrix...: Low Level Water
Batch(s).....: 174308
Prep Batch..: 174036

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			02/24/2006	80	64	52	71	36	74
MB			02/24/2006	66	52	41	65	28	63
244450- 15		EB021806	03/07/2006	67	68	46	77	30	77

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	30 - 109
2FLUBP	2-Fluorobiphenyl (surr)	24 - 116
2FLUPH	2-Fluorophenol (surr)	13 - 100
NITRD5	Nitrobenzene-d5 (surr)	20 - 100
PHEND5	Phenol-d5 (surr)	17 - 100
TERD14	Terphenyl-d14 (surr)	12 - 137

Method.....: Semivolatile Organics
Method Code...: 8270
Test Matrix...: 3541 Low Solid
Batch(s).....: 175049
Prep Batch..: 174070

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			03/01/2006	76	51	60	48	55	63
MB			03/01/2006	69	74	81	75	75	80
244450- 1		MCA-S0016D-6-7-0206	03/02/2006	70	54	54	51	54	61
244450- 2		MCA-S0016C-6-7-0206	03/01/2006	83	59	65	56	62	58
244450- 3		MCA-S0016B-6-7-0206	03/01/2006	92	68	80	70	74	69
244450- 4		MCA-S0016A-6-7-0206	03/02/2006	95	72	70	64	67	81
244450- 5		MCA-S0017D-5-7-0206	03/01/2006	106	72	77	67	74	70
244450- 6		MCA-S0017C-5-7-0206	03/01/2006	85	69	76	65	67	73
244450- 7		MCA-S0017B-5-7-0206	03/01/2006	104	67	72	59	71	72
244450- 8		MCA-S0017A-5-7-0206	03/02/2006	97	64	64	61	64	82
244450- 9		MCA-S0018D-0-2-0206	03/02/2006	89	65	59	53	61	75
244450- 10		MCA-S0018C-0-2-0206	03/03/2006	88	63	65	58	68	78
244450- 11		MCA-S0018B-0-2-0206	03/03/2006	83	63	54	55	61	83
244450- 12		MCA-S0018A-0-2-0206	03/07/2006	112	88	81	81	86	92
244450- 12	MS	MCA-S0018A-0-2-0206	03/07/2006	116	94	86	80	93	98
244450- 12	MSD	MCA-S0018A-0-2-0206	03/07/2006	81	73	66	62	68	74
244450- 13		MCA-SODUP101-0206	03/03/2006	89	70	73	69	75	82
244450- 14		MCA-SODUP102-0206	03/03/2006	85	62	70	66	72	77

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	18 - 136
2FLUBP	2-Fluorobiphenyl (surr)	44 - 103
2FLUPH	2-Fluorophenol (surr)	21 - 104
NITRD5	Nitrobenzene-d5 (surr)	34 - 100
PHEND5	Phenol-d5 (surr)	27 - 113
TERD14	Terphenyl-d14 (surr)	41 - 116

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	06BWLBLKB	174036-002		02/24/2006	1732

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 174308

Analyst...: glr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Water	ug/L	15.971		50.000	5.000 U	32	%	23-100	
Bis(2-chloroethyl)ether, Low Level Wat	ug/L	26.822		50.000	2.000 U	54	%	42-100	
1,3-Dichlorobenzene, Low Level Water	ug/L	25.642		50.000	2.000 U	51	%	38-100	
1,4-Dichlorobenzene, Low Level Water	ug/L	25.718		50.000	2.000 U	51	%	38-100	
1,2-Dichlorobenzene, Low Level Water	ug/L	27.563		50.000	2.000 U	55	%	36-100	
Benzyl alcohol, Low Level Water	ug/L	34.584		50.000	20.000 U	69	%	41-105	
2-Methylphenol (o-cresol), Low Level W	ug/L	33.767		50.000	2.000 U	68	%	26-100	
2,2-oxybis (1-chloropropane), Low Leve	ug/L	34.974		50.000	2.000 U	70	%	35-107	
n-Nitroso-di-n-propylamine, Low Level	ug/L	38.158		50.000	0.500 U	76	%	41-107	
Hexachloroethane, Low Level Water	ug/L	22.628		50.000	5.000 U	45	%	34-100	
4-Methylphenol (m/p-cresol), Low Level	ug/L	33.671		50.000	2.000 U	67	%	28-100	
2-Chlorophenol, Low Level Water	ug/L	35.776		50.000	5.000 U	72	%	43-100	
Nitrobenzene, Low Level Water	ug/L	26.773		50.000	1.000 U	54	%	41-105	
Bis(2-chloroethoxy)methane, Low Level	ug/L	36.373		50.000	2.000 U	73	%	48-106	
1,2,4-Trichlorobenzene, Low Level Wate	ug/L	23.631		50.000	2.000 U	47	%	45-100	
Benzoic acid, Low Level Water	ug/L	12.611	J	50.000	20.000 U	25	%	27-111	*
Isophorone, Low Level Water	ug/L	39.726		50.000	2.000 U	79	%	47-100	
2,4-Dimethylphenol, Low Level Water	ug/L	36.559		50.000	10.000 U	73	%	22-100	
Hexachlorobutadiene, Low Level Water	ug/L	22.116		50.000	5.000 U	44	%	41-100	
Naphthalene, Low Level Water	ug/L	30.727		50.000	1.000 U	61	%	32-100	
2,4-Dichlorophenol, Low Level Water	ug/L	36.433		50.000	10.000 U	73	%	52-100	
4-Chloroaniline, Low Level Water	ug/L	43.967		50.000	10.000 U	88	%	38-114	
2,4,6-Trichlorophenol, Low Level Water	ug/L	35.437		50.000	5.000 U	71	%	51-101	
2,4,5-Trichlorophenol, Low Level Water	ug/L	36.874		50.000	10.000 U	74	%	54-107	
Hexachlorocyclopentadiene, Low Level W	ug/L	14.505	J	50.000	20.000 U	29	%	10-100	
2-Methylnaphthalene, Low Level Water	ug/L	28.198		50.000	0.500 U	56	%	27-100	
2-Nitroaniline, Low Level Water	ug/L	36.350		50.000	5.000 U	73	%	50-112	
2-Chloronaphthalene, Low Level Water	ug/L	27.312		50.000	2.000 U	55	%	53-100	
4-Chloro-3-methylphenol, Low Level Wat	ug/L	38.552		50.000	10.000 U	77	%	50-105	
2,6-Dinitrotoluene, Low Level Water	ug/L	37.050		50.000	0.500 U	74	%	57-110	
2-Nitrophenol, Low Level Water	ug/L	34.148		50.000	10.000 U	68	%	48-100	
3-Nitroaniline, Low Level Water	ug/L	43.586		50.000	10.000 U	87	%	50-109	
Dimethyl phthalate, Low Level Water	ug/L	37.276		50.000	2.000 U	75	%	58-104	
2,4-Dinitrophenol, Low Level Water	ug/L	33.488		50.000	20.000 U	67	%	40-125	
Acenaphthylene, Low Level Water	ug/L	34.086		50.000	1.000 U	68	%	39-107	
2,4-Dinitrotoluene, Low Level Water	ug/L	36.290		50.000	1.000 U	73	%	56-115	
Acenaphthene, Low Level Water	ug/L	31.969		50.000	1.000 U	64	%	37-105	
Dibenzofuran, Low Level Water	ug/L	32.775		50.000	2.000 U	66	%	42-101	
4-Nitrophenol, Low Level Water	ug/L	18.328	J	50.000	20.000 U	37	%	30-116	
Fluorene, Low Level Water	ug/L	34.299		50.000	1.000 U	69	%	46-105	
4-Nitroaniline, Low Level Water	ug/L	35.375		50.000	10.000 U	71	%	40-124	
4-Bromophenyl phenyl ether, Low Level	ug/L	33.014		50.000	5.000 U	66	%	54-112	
Hexachlorobenzene, Low Level Water	ug/L	32.441		50.000	0.500 U	65	%	50-113	
Diethyl phthalate, Low Level Water	ug/L	36.328		50.000	2.000 U	73	%	55-107	
4-Chlorophenyl phenyl ether, Low Level	ug/L	29.689		50.000	5.000 U	59	%	58-103	
Pentachlorophenol, Low Level Water	ug/L	32.503		50.000	10.000 U	65	%	50-112	
n-Nitrosodiphenylamine, Low Level Wate	ug/L	37.438		50.000	1.000 U	75	%	49-109	
4,6-Dinitro-2-methylphenol, Low Level	ug/L	36.065		50.000	20.000 U	72	%	56-125	
Phenanthrene, Low Level Water	ug/L	35.516		50.000	1.000 U	71	%	46-110	
Anthracene, Low Level Water	ug/L	35.936		50.000	1.000 U	72	%	50-111	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	06BWL8LKB	174036-002		02/24/2006	1732

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Carbazole, Low Level Water	ug/L	36.192		50.000	5.000	U	72	%	49-133	
Di-n-butyl phthalate, Low Level Water	ug/L	36.580		50.000	5.000	U	73	%	45-132	
Benzidine, Low Level Water	ug/L	58.030		50.000	40.000	U	116	%	10-100	*
Fluoranthene, Low Level Water	ug/L	37.645		50.000	1.000	U	75	%	50-118	
Pyrene, Low Level Water	ug/L	36.384		50.000	1.000	U	73	%	40-115	
Butyl benzyl phthalate, Low Level Wate	ug/L	33.480		50.000	2.000	U	67	%	52-111	
Benzo(a)anthracene, Low Level Water	ug/L	34.117		50.000	0.200	U	68	%	42-112	
Chrysene, Low Level Water	ug/L	35.564		50.000	0.500	U	71	%	38-116	
3,3-Dichlorobenzidine, Low Level Water	ug/L	32.188		50.000	5.000	U	64	%	30-104	
Bis(2-ethylhexyl)phthalate, Low Level	ug/L	34.374		50.000	10.000	U	69	%	50-150	
Di-n-octyl phthalate, Low Level Water	ug/L	36.383		50.000	10.000	U	73	%	31-152	
Benzo(b)fluoranthene, Low Level Water	ug/L	36.577		50.000	0.200	U	73	%	33-115	
Benzo(k)fluoranthene, Low Level Water	ug/L	39.809		50.000	0.200	U	80	%	27-135	
Benzo(a)pyrene, Low Level Water	ug/L	38.534		50.000	0.200	U	77	%	27-119	
Indeno(1,2,3-cd)pyrene, Low Level Wate	ug/L	37.860		50.000	0.200	U	76	%	18-133	
Dibenzo(a,h)anthracene, Low Level Wate	ug/L	36.717		50.000	0.300	U	73	%	18-125	
Benzo(ghi)perylene, Low Level Water	ug/L	37.219		50.000	1.000	U	74	%	27-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174036-001		02/24/2006	1947

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL11
Batch.....: 174308

Analyst...: glr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Low Level Water	ug/L	5.000	U							
Bis(2-chloroethyl)ether, Low Level Wat	ug/L	2.000	U							
1,3-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
1,4-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
1,2-Dichlorobenzene, Low Level Water	ug/L	2.000	U							
Benzyl alcohol, Low Level Water	ug/L	20.000	U							
2-Methylphenol (o-cresol), Low Level W	ug/L	2.000	U							
2,2-oxybis (1-chloropropane), Low Leve	ug/L	2.000	U							
n-Nitroso-di-n-propylamine, Low Level	ug/L	0.500	U							
Hexachloroethane, Low Level Water	ug/L	5.000	U							
4-Methylphenol (m/p-cresol), Low Level	ug/L	2.000	U							
2-Chlorophenol, Low Level Water	ug/L	5.000	U							
Nitrobenzene, Low Level Water	ug/L	1.000	U							
Bis(2-chloroethoxy)methane, Low Level	ug/L	2.000	U							
1,2,4-Trichlorobenzene, Low Level Wate	ug/L	2.000	U							
Benzoic acid, Low Level Water	ug/L	20.000	U							
Isophorone, Low Level Water	ug/L	2.000	U							
2,4-Dimethylphenol, Low Level Water	ug/L	10.000	U							
Hexachlorobutadiene, Low Level Water	ug/L	5.000	U							
Naphthalene, Low Level Water	ug/L	1.000	U							
2,4-Dichlorophenol, Low Level Water	ug/L	10.000	U							
4-Chloroaniline, Low Level Water	ug/L	10.000	U							
2,4,6-Trichlorophenol, Low Level Water	ug/L	5.000	U							
2,4,5-Trichlorophenol, Low Level Water	ug/L	10.000	U							
Hexachlorocyclopentadiene, Low Level W	ug/L	20.000	U							
2-Methylnaphthalene, Low Level Water	ug/L	0.500	U							
2-Nitroaniline, Low Level Water	ug/L	5.000	U							
2-Chloronaphthalene, Low Level Water	ug/L	2.000	U							
4-Chloro-3-methylphenol, Low Level Wat	ug/L	10.000	U							
2,6-Dinitrotoluene, Low Level Water	ug/L	0.500	U							
2-Nitrophenol, Low Level Water	ug/L	10.000	U							
3-Nitroaniline, Low Level Water	ug/L	10.000	U							
Dimethyl phthalate, Low Level Water	ug/L	2.000	U							
2,4-Dinitrophenol, Low Level Water	ug/L	20.000	U							
Acenaphthylene, Low Level Water	ug/L	1.000	U							
2,4-Dinitrotoluene, Low Level Water	ug/L	1.000	U							
Acenaphthene, Low Level Water	ug/L	1.000	U							
Dibenzofuran, Low Level Water	ug/L	2.000	U							
4-Nitrophenol, Low Level Water	ug/L	20.000	U							
Fluorene, Low Level Water	ug/L	1.000	U							
4-Nitroaniline, Low Level Water	ug/L	10.000	U							
4-Bromophenyl phenyl ether, Low Level	ug/L	5.000	U							
Hexachlorobenzene, Low Level Water	ug/L	0.500	U							
Diethyl phthalate, Low Level Water	ug/L	2.000	U							
4-Chlorophenyl phenyl ether, Low Level	ug/L	5.000	U							
Pentachlorophenol, Low Level Water	ug/L	10.000	U							
n-Nitrosodiphenylamine, Low Level Wate	ug/L	1.000	U							
4,6-Dinitro-2-methylphenol, Low Level	ug/L	20.000	U							
Phenanthrene, Low Level Water	ug/L	1.000	U							
Anthracene, Low Level Water	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174036-001		02/24/2006	1947

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Low Level Water	ug/L	5.000	U							
Di-n-butyl phthalate, Low Level Water	ug/L	5.000	U							
Benzidine, Low Level Water	ug/L	40.000	U							
Fluoranthene, Low Level Water	ug/L	1.000	U							
Pyrene, Low Level Water	ug/L	1.000	U							
Butyl benzyl phthalate, Low Level Wate	ug/L	2.000	U							
Benzo(a)anthracene, Low Level Water	ug/L	0.200	U							
Chrysene, Low Level Water	ug/L	0.500	U							
3,3-Dichlorobenzidine, Low Level Water	ug/L	5.000	U							
Bis(2-ethylhexyl)phthalate, Low Level	ug/L	10.000	U							
Di-n-octyl phthalate, Low Level Water	ug/L	10.000	U							
Benzo(b)fluoranthene, Low Level Water	ug/L	0.200	U							
Benzo(k)fluoranthene, Low Level Water	ug/L	0.200	U							
Benzo(a)pyrene, Low Level Water	ug/L	0.200	U							
Indeno(1,2,3-cd)pyrene, Low Level Wate	ug/L	0.200	U							
Dibenzo(a,h)anthracene, Low Level Wate	ug/L	0.300	U							
Benzo(ghi)perylene, Low Level Water	ug/L	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	06BWLBLKB	174070-002		03/01/2006	1256

Test Method.....: 8270C
Method Description.: Semivolatile Organics
Equipment Code....: GCL1
Batch.....: 175049
Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, 3541 Low Solid	ug/Kg	1215.568		1667.000	167.000 U	73	%	60-130	
Bis(2-chloroethyl)ether, 3541 Low Soli	ug/Kg	1208.218		1667.000	167.000 U	72	%	50-130	
1,3-Dichlorobenzene, 3541 Low Solid	ug/Kg	1075.389		1667.000	167.000 U	65	%	60-130	
1,4-Dichlorobenzene, 3541 Low Solid	ug/Kg	1099.089		1667.000	167.000 U	66	%	60-130	
1,2-Dichlorobenzene, 3541 Low Solid	ug/Kg	1172.008		1667.000	167.000 U	70	%	60-130	
Benzyl alcohol, 3541 Low Solid	ug/Kg	802.989		1667.000	330.000 U	48	%	50-130	*
2-Methylphenol (o-cresol), 3541 Low So	ug/Kg	1437.659		1667.000	167.000 U	86	%	60-130	
2,2-oxybis (1-chloropropane), 3541 Low	ug/Kg	1184.551		1667.000	167.000 U	71	%	30-130	
n-Nitroso-di-n-propylamine, 3541 Low S	ug/Kg	1214.598		1667.000	167.000 U	73	%	50-130	
Hexachloroethane, 3541 Low Solid	ug/Kg	1134.759		1667.000	167.000 U	68	%	40-130	
4-Methylphenol (m/p-cresol), 3541 Low	ug/Kg	1330.087		1667.000	167.000 U	80	%	60-130	
2-Chlorophenol, 3541 Low Solid	ug/Kg	1250.384		1667.000	167.000 U	75	%	50-130	
Nitrobenzene, 3541 Low Solid	ug/Kg	1219.008		1667.000	33.000 U	73	%	50-130	
Bis(2-chloroethoxy)methane, 3541 Low S	ug/Kg	1181.478		1667.000	167.000 U	71	%	50-130	
1,2,4-Trichlorobenzene, 3541 Low Solid	ug/Kg	1197.601		1667.000	167.000 U	72	%	60-130	
Benzoic acid, 3541 Low Solid	ug/Kg	1769.936		1667.000	1670.000 U	106	%	10-130	
Isophorone, 3541 Low Solid	ug/Kg	1188.855		1667.000	167.000 U	71	%	50-130	
2,4-Dimethylphenol, 3541 Low Solid	ug/Kg	1200.341		1667.000	330.000 U	72	%	50-130	
Hexachlorobutadiene, 3541 Low Solid	ug/Kg	1214.678		1667.000	167.000 U	73	%	60-130	
Naphthalene, 3541 Low Solid	ug/Kg	1191.648		1667.000	33.000 U	71	%	55-100	
2,4-Dichlorophenol, 3541 Low Solid	ug/Kg	1314.234		1667.000	330.000 U	79	%	60-130	
4-Chloroaniline, 3541 Low Solid	ug/Kg	681.217		1667.000	670.000 U	41	%	20-130	
2,4,6-Trichlorophenol, 3541 Low Solid	ug/Kg	1242.384		1667.000	330.000 U	75	%	60-130	
2,4,5-Trichlorophenol, 3541 Low Solid	ug/Kg	1408.439		1667.000	330.000 U	85	%	60-130	
Hexachlorocyclopentadiene, 3541 Low So	ug/Kg	756.949		1667.000	670.000 U	45	%	20-130	
2-Methylnaphthalene, 3541 Low Solid	ug/Kg	1234.204		1667.000	167.000 U	74	%	60-130	
2-Nitroaniline, 3541 Low Solid	ug/Kg	1223.394		1667.000	167.000 U	73	%	50-130	
2-Chloronaphthalene, 3541 Low Solid	ug/Kg	1191.761		1667.000	167.000 U	72	%	60-130	
4-Chloro-3-methylphenol, 3541 Low Soli	ug/Kg	1372.596		1667.000	330.000 U	82	%	60-130	
2,6-Dinitrotoluene, 3541 Low Solid	ug/Kg	1238.468		1667.000	167.000 U	74	%	60-130	
2-Nitrophenol, 3541 Low Solid	ug/Kg	1279.021		1667.000	330.000 U	77	%	60-130	
3-Nitroaniline, 3541 Low Solid	ug/Kg	865.368		1667.000	330.000 U	52	%	30-130	
Dimethyl phthalate, 3541 Low Solid	ug/Kg	1256.914		1667.000	167.000 U	75	%	60-130	
2,4-Dinitrophenol, 3541 Low Solid	ug/Kg	1368.583		1667.000	670.000 U	82	%	10-130	
Acenaphthylene, 3541 Low Solid	ug/Kg	1176.735		1667.000	33.000 U	71	%	59-104	
2,4-Dinitrotoluene, 3541 Low Solid	ug/Kg	1320.597		1667.000	167.000 U	79	%	60-130	
Acenaphthene, 3541 Low Solid	ug/Kg	1184.558		1667.000	33.000 U	71	%	64-100	
Dibenzofuran, 3541 Low Solid	ug/Kg	1219.981		1667.000	167.000 U	73	%	60-130	
4-Nitrophenol, 3541 Low Solid	ug/Kg	1313.270		1667.000	670.000 U	79	%	30-130	
Fluorene, 3541 Low Solid	ug/Kg	1212.481		1667.000	33.000 U	73	%	61-105	
4-Nitroaniline, 3541 Low Solid	ug/Kg	1110.696		1667.000	330.000 U	67	%	50-130	
4-Bromophenyl phenyl ether, 3541 Low S	ug/Kg	1248.654		1667.000	167.000 U	75	%	50-130	
Hexachlorobenzene, 3541 Low Solid	ug/Kg	1265.994		1667.000	67.000 U	76	%	60-130	
Diethyl phthalate, 3541 Low Solid	ug/Kg	1291.107		1667.000	167.000 U	77	%	50-130	
4-Chlorophenyl phenyl ether, 3541 Low	ug/Kg	1267.047		1667.000	167.000 U	76	%	60-130	
Pentachlorophenol, 3541 Low Solid	ug/Kg	877.795		1667.000	670.000 U	53	%	20-130	
n-Nitrosodiphenylamine, 3541 Low Solid	ug/Kg	1222.234		1667.000	167.000 U	73	%	60-130	
4,6-Dinitro-2-methylphenol, 3541 Low S	ug/Kg	1150.082		1667.000	330.000 U	69	%	10-130	
Phenanthrene, 3541 Low Solid	ug/Kg	1318.350		1667.000	33.000 U	79	%	63-113	
Anthracene, 3541 Low Solid	ug/Kg	1136.692		1667.000	33.000 U	68	%	53-108	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	06BWLBLKB	174070-002		03/01/2006	1256

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, 3541 Low Solid	ug/Kg	1232.841		1667.000	167.000 U	74	%	60-130	
Di-n-butyl phthalate, 3541 Low Solid	ug/Kg	1231.678		1667.000	167.000 U	74	%	60-130	
Benzidine, 3541 Low Solid	ug/Kg	456.652	J	1667.000	670.000 U	27	%	10-130	
Fluoranthene, 3541 Low Solid	ug/Kg	1203.155		1667.000	33.000 U	72	%	56-112	
Pyrene, 3541 Low Solid	ug/Kg	1136.819		1667.000	33.000 U	68	%	62-114	
Butyl benzyl phthalate, 3541 Low Solid	ug/Kg	1212.561		1667.000	167.000 U	73	%	50-130	
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	1170.655		1667.000	33.000 U	70	%	56-130	
Chrysene, 3541 Low Solid	ug/Kg	1267.631		1667.000	33.000 U	76	%	52-113	
3,3-Dichlorobenzidine, 3541 Low Solid	ug/Kg	943.611		1667.000	167.000 U	57	%	30-130	
Bis(2-ethylhexyl)phthalate, 3541 Low S	ug/Kg	1263.344		1667.000	167.000 U	76	%	50-130	
Di-n-octyl phthalate, 3541 Low Solid	ug/Kg	1284.897		1667.000	167.000 U	77	%	40-130	
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	1129.405		1667.000	33.000 U	68	%	37-150	
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	1252.144		1667.000	33.000 U	75	%	37-120	
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	1203.245		1667.000	33.000 U	72	%	55-117	
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	1193.841		1667.000	33.000 U	72	%	57-118	
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	1259.001		1667.000	33.000 U	76	%	54-121	
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	1307.207		1667.000	33.000 U	78	%	56-128	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174070-001		03/01/2006	1234

Test Method.....: 8270C
Method Description.: Semivolatile Organics
Equipment Code....: GCL1
Batch.....: 175049
Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, 3541 Low Solid	ug/Kg	167.000	U							
Bis(2-chloroethyl)ether, 3541 Low Soli	ug/Kg	167.000	U							
1,3-Dichlorobenzene, 3541 Low Solid	ug/Kg	167.000	U							
1,4-Dichlorobenzene, 3541 Low Solid	ug/Kg	167.000	U							
1,2-Dichlorobenzene, 3541 Low Solid	ug/Kg	167.000	U							
Benzyl alcohol, 3541 Low Solid	ug/Kg	330.000	U							
2-Methylphenol (o-cresol), 3541 Low So	ug/Kg	167.000	U							
2,2-oxybis (1-chloropropane), 3541 Low	ug/Kg	167.000	U							
n-Nitroso-di-n-propylamine, 3541 Low S	ug/Kg	167.000	U							
Hexachloroethane, 3541 Low Solid	ug/Kg	167.000	U							
4-Methylphenol (m/p-cresol), 3541 Low	ug/Kg	167.000	U							
2-Chlorophenol, 3541 Low Solid	ug/Kg	167.000	U							
Nitrobenzene, 3541 Low Solid	ug/Kg	33.000	U							
Bis(2-chloroethoxy)methane, 3541 Low S	ug/Kg	167.000	U							
1,2,4-Trichlorobenzene, 3541 Low Solid	ug/Kg	167.000	U							
Benzoic acid, 3541 Low Solid	ug/Kg	1670.000	U							
Isophorone, 3541 Low Solid	ug/Kg	167.000	U							
2,4-Dimethylphenol, 3541 Low Solid	ug/Kg	330.000	U							
Hexachlorobutadiene, 3541 Low Solid	ug/Kg	167.000	U							
Naphthalene, 3541 Low Solid	ug/Kg	33.000	U							
2,4-Dichlorophenol, 3541 Low Solid	ug/Kg	330.000	U							
4-Chloroaniline, 3541 Low Solid	ug/Kg	670.000	U							
2,4,6-Trichlorophenol, 3541 Low Solid	ug/Kg	330.000	U							
2,4,5-Trichlorophenol, 3541 Low Solid	ug/Kg	330.000	U							
Hexachlorocyclopentadiene, 3541 Low So	ug/Kg	670.000	U							
2-Methylnaphthalene, 3541 Low Solid	ug/Kg	167.000	U							
2-Nitroaniline, 3541 Low Solid	ug/Kg	167.000	U							
2-Chloronaphthalene, 3541 Low Solid	ug/Kg	167.000	U							
4-Chloro-3-methylphenol, 3541 Low Soli	ug/Kg	330.000	U							
2,6-Dinitrotoluene, 3541 Low Solid	ug/Kg	167.000	U							
2-Nitrophenol, 3541 Low Solid	ug/Kg	330.000	U							
3-Nitroaniline, 3541 Low Solid	ug/Kg	330.000	U							
Dimethyl phthalate, 3541 Low Solid	ug/Kg	167.000	U							
2,4-Dinitrophenol, 3541 Low Solid	ug/Kg	670.000	U							
Acenaphthylene, 3541 Low Solid	ug/Kg	33.000	U							
2,4-Dinitrotoluene, 3541 Low Solid	ug/Kg	167.000	U							
Acenaphthene, 3541 Low Solid	ug/Kg	33.000	U							
Dibenzofuran, 3541 Low Solid	ug/Kg	167.000	U							
4-Nitrophenol, 3541 Low Solid	ug/Kg	670.000	U							
Fluorene, 3541 Low Solid	ug/Kg	33.000	U							
4-Nitroaniline, 3541 Low Solid	ug/Kg	330.000	U							
4-Bromophenyl phenyl ether, 3541 Low S	ug/Kg	167.000	U							
Hexachlorobenzene, 3541 Low Solid	ug/Kg	67.000	U							
Diethyl phthalate, 3541 Low Solid	ug/Kg	167.000	U							
4-Chlorophenyl phenyl ether, 3541 Low	ug/Kg	167.000	U							
Pentachlorophenol, 3541 Low Solid	ug/Kg	670.000	U							
n-Nitrosodiphenylamine, 3541 Low Solid	ug/Kg	167.000	U							
4,6-Dinitro-2-methylphenol, 3541 Low S	ug/Kg	330.000	U							
Phenanthrene, 3541 Low Solid	ug/Kg	33.000	U							
Anthracene, 3541 Low Solid	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 244450

QUALITY CONTROL RESULTS

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		174070-001		03/01/2006	1234

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, 3541 Low Solid	ug/Kg	167.000	U							
Di-n-butyl phthalate, 3541 Low Solid	ug/Kg	167.000	U							
Benzidine, 3541 Low Solid	ug/Kg	670.000	U							
Fluoranthene, 3541 Low Solid	ug/Kg	33.000	U							
Pyrene, 3541 Low Solid	ug/Kg	33.000	U							
Butyl benzyl phthalate, 3541 Low Solid	ug/Kg	167.000	U							
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	33.000	U							
Chrysene, 3541 Low Solid	ug/Kg	33.000	U							
3,3-Dichlorobenzidine, 3541 Low Solid	ug/Kg	167.000	U							
Bis(2-ethylhexyl)phthalate, 3541 Low S	ug/Kg	167.000	U							
Di-n-octyl phthalate, 3541 Low Solid	ug/Kg	167.000	U							
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	33.000	U							
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	33.000	U							
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	33.000	U							
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	33.000	U							
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	33.000	U							
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	33.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	06BWLBLKB	244450-12		03/07/2006	0033

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL1
Batch.....: 175049

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, 3541 Low Solid	ug/Kg	1843.221	J		1993.000	1997.360	U	92	%	60-130	
Bis(2-chloroethyl)ether, 3541 Low Soli	ug/Kg	1660.700	J		1993.000	1997.360	U	83	%	50-130	
1,3-Dichlorobenzene, 3541 Low Solid	ug/Kg	1402.366	J		1993.000	1997.360	U	70	%	60-130	
1,4-Dichlorobenzene, 3541 Low Solid	ug/Kg	1377.602	J		1993.000	1997.360	U	69	%	60-130	
1,2-Dichlorobenzene, 3541 Low Solid	ug/Kg	1472.008	J		1993.000	1997.360	U	74	%	60-130	
Benzyl alcohol, 3541 Low Solid	ug/Kg	1970.843	J		1993.000	3946.880	U	99	%	50-130	
2-Methylphenol (o-cresol), 3541 Low So	ug/Kg	1856.456	J		1993.000	1997.360	U	93	%	60-130	
2,2-oxybis (1-chloropropane), 3541 Low	ug/Kg	1801.776	J		1993.000	1997.360	U	90	%	30-130	
n-Nitroso-di-n-propylamine, 3541 Low S	ug/Kg	1830.583	J		1993.000	1997.360	U	92	%	50-130	
Hexachloroethane, 3541 Low Solid	ug/Kg	929.500	J		1993.000	1997.360	U	47	%	40-130	
4-Methylphenol (m/p-cresol), 3541 Low	ug/Kg	2121.320			1993.000	1997.360	U	106	%	60-130	
2-Chlorophenol, 3541 Low Solid	ug/Kg	1801.553	J		1993.000	1997.360	U	90	%	50-130	
Nitrobenzene, 3541 Low Solid	ug/Kg	1610.704			1993.000	394.688	U	81	%	50-130	
Bis(2-chloroethoxy)methane, 3541 Low S	ug/Kg	1678.249	J		1993.000	1997.360	U	84	%	50-130	
1,2,4-Trichlorobenzene, 3541 Low Solid	ug/Kg	1619.216	J		1993.000	1997.360	U	81	%	60-130	
Benzoic acid, 3541 Low Solid	ug/Kg	5480.333	J		8599.000	19973.602	U	275	%	10-130	*
Isophorone, 3541 Low Solid	ug/Kg	1656.259	J		1993.000	1997.360	U	83	%	50-130	
2,4-Dimethylphenol, 3541 Low Solid	ug/Kg	1833.757	J		1993.000	3946.880	U	92	%	50-130	
Hexachlorobutadiene, 3541 Low Solid	ug/Kg	1589.938	J		1993.000	1997.360	U	80	%	60-130	
Naphthalene, 3541 Low Solid	ug/Kg	1766.627			1993.000	91.246	J	89	%	55-100	
2,4-Dichlorophenol, 3541 Low Solid	ug/Kg	1847.618	J		1993.000	3946.880	U	93	%	60-130	
4-Chloroaniline, 3541 Low Solid	ug/Kg	1238.052	J		1993.000	8013.361	U	62	%	20-130	
2,4,6-Trichlorophenol, 3541 Low Solid	ug/Kg	2146.630	J		1993.000	3946.880	U	108	%	60-130	
2,4,5-Trichlorophenol, 3541 Low Solid	ug/Kg	2238.796	J		1993.000	3946.880	U	112	%	60-130	
Hexachlorocyclopentadiene, 3541 Low So	ug/Kg	8013.361	U		1993.000	8013.361	U	0	%	20-130	*
2-Methylnaphthalene, 3541 Low Solid	ug/Kg	1932.432	J		1993.000	1997.360	U	97	%	60-130	
2-Nitroaniline, 3541 Low Solid	ug/Kg	1993.299	J		1993.000	1997.360	U	100	%	50-130	
2-Chloronaphthalene, 3541 Low Solid	ug/Kg	1887.217	J		1993.000	1997.360	U	95	%	60-130	
4-Chloro-3-methylphenol, 3541 Low Soli	ug/Kg	1973.625	J		1993.000	3946.880	U	99	%	60-130	
2,6-Dinitrotoluene, 3541 Low Solid	ug/Kg	2079.070			1993.000	1997.360	U	104	%	60-130	
2-Nitrophenol, 3541 Low Solid	ug/Kg	1579.003	J		1993.000	3946.880	U	79	%	60-130	
3-Nitroaniline, 3541 Low Solid	ug/Kg	1679.632	J		1993.000	3946.880	U	84	%	30-130	
Dimethyl phthalate, 3541 Low Solid	ug/Kg	1943.395	J		1993.000	1997.360	U	97	%	60-130	
2,4-Dinitrophenol, 3541 Low Solid	ug/Kg	8013.361	U		3181.000	8013.361	U	0	%	10-130	*
Acenaphthylene, 3541 Low Solid	ug/Kg	1945.006			1993.000	394.688	U	98	%	59-104	
2,4-Dinitrotoluene, 3541 Low Solid	ug/Kg	2004.434			1993.000	1997.360	U	101	%	60-130	
Acenaphthene, 3541 Low Solid	ug/Kg	1991.481			1993.000	394.688	U	100	%	64-100	
Dibenzofuran, 3541 Low Solid	ug/Kg	2037.717			1993.000	1997.360	U	102	%	60-130	
4-Nitrophenol, 3541 Low Solid	ug/Kg	2724.579	J		2225.000	8013.361	U	137	%	30-130	*
Fluorene, 3541 Low Solid	ug/Kg	2104.576			1993.000	394.688	U	106	%	61-105	*
4-Nitroaniline, 3541 Low Solid	ug/Kg	1840.474	J		1993.000	3946.880	U	92	%	50-130	
4-Bromophenyl phenyl ether, 3541 Low S	ug/Kg	1867.236	J		1993.000	1997.360	U	94	%	50-130	
Hexachlorobenzene, 3541 Low Solid	ug/Kg	1824.376			1993.000	801.336	U	92	%	60-130	
Diethyl phthalate, 3541 Low Solid	ug/Kg	2030.147			1993.000	1997.360	U	102	%	50-130	
4-Chlorophenyl phenyl ether, 3541 Low	ug/Kg	2123.122			1993.000	1997.360	U	107	%	60-130	
Pentachlorophenol, 3541 Low Solid	ug/Kg	1504.271	J		2201.000	8013.361	U	75	%	20-130	
n-Nitrosodiphenylamine, 3541 Low Solid	ug/Kg	1958.775	J		1993.000	1997.360	U	98	%	60-130	
4,6-Dinitro-2-methylphenol, 3541 Low S	ug/Kg	3946.880	U		1993.000	3946.880	U	0	%	10-130	*
Phenanthrene, 3541 Low Solid	ug/Kg	2059.835			1993.000	119.651	J	103	%	63-113	
Anthracene, 3541 Low Solid	ug/Kg	1961.076			1993.000	394.688	U	98	%	53-108	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	06BWLBLKB	244450-12		03/07/2006	0033

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, 3541 Low Solid	ug/Kg	2045.599		1993.000	1997.360 U	103	%	60-130	
Di-n-butyl phthalate, 3541 Low Solid	ug/Kg	2072.145		1993.000	1997.360 U	104	%	60-130	
Benzidine, 3541 Low Solid	ug/Kg	8013.361	U	1993.000	8013.361 U	0	%	10-130	*
Fluoranthene, 3541 Low Solid	ug/Kg	2131.135		1993.000	97.036 J	107	%	56-112	
Pyrene, 3541 Low Solid	ug/Kg	2006.387		1993.000	80.966 J	101	%	62-114	
Butyl benzyl phthalate, 3541 Low Solid	ug/Kg	2020.001		1993.000	1997.360 U	101	%	50-130	
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	1890.358		1993.000	394.688 U	95	%	56-130	
Chrysene, 3541 Low Solid	ug/Kg	1984.421		1993.000	82.760 J	100	%	52-113	
3,3-Dichlorobenzidine, 3541 Low Solid	ug/Kg	668.164	J	1993.000	1997.360 U	34	%	30-130	
Bis(2-ethylhexyl)phthalate, 3541 Low S	ug/Kg	2223.216		1993.000	1997.360 U	112	%	50-130	
Di-n-octyl phthalate, 3541 Low Solid	ug/Kg	2268.265		1993.000	1997.360 U	114	%	40-130	
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	1971.305		1993.000	145.942 J	99	%	37-150	
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	2223.248		1993.000	394.688 U	112	%	37-120	
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	2045.818		1993.000	82.600 J	103	%	55-117	
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	2002.624		1993.000	104.336 J	100	%	57-118	
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	1977.672		1993.000	394.688 U	99	%	54-121	
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	2027.691		1993.000	154.952 J	102	%	56-128	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	06BWLBLKB	244450-12		03/07/2006	0057

Test Method.....: 8270C
Method Description.: Semivolatile Organics
Equipment Code....: GCL1
Batch.....: 175049
Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol, 3541 Low Solid	ug/Kg	1622.832	J	1843.221	J	1939.000	1942.431	U	84	%	60-130	
									9	R	30	
Bis(2-chloroethyl)ether, 3541 Low Soli	ug/Kg	1511.073	J	1660.700	J	1939.000	1942.431	U	78	%	50-130	
									6	R	30	
1,3-Dichlorobenzene, 3541 Low Solid	ug/Kg	1311.651	J	1402.366	J	1939.000	1942.431	U	68	%	60-130	
									3	R	30	
1,4-Dichlorobenzene, 3541 Low Solid	ug/Kg	1281.248	J	1377.602	J	1939.000	1942.431	U	66	%	60-130	
									4	R	30	
1,2-Dichlorobenzene, 3541 Low Solid	ug/Kg	1418.653	J	1472.008	J	1939.000	1942.431	U	73	%	60-130	
									1	R	30	
Benzyl alcohol, 3541 Low Solid	ug/Kg	1693.828	J	1970.843	J	1939.000	3838.337	U	87	%	50-130	
									13	R	30	
2-Methylphenol (o-cresol), 3541 Low So	ug/Kg	1634.347	J	1856.456	J	1939.000	1942.431	U	84	%	60-130	
									10	R	30	
2,2-oxybis (1-chloropropane), 3541 Low	ug/Kg	1635.533	J	1801.776	J	1939.000	1942.431	U	84	%	30-130	
									7	R	30	
n-Nitroso-di-n-propylamine, 3541 Low S	ug/Kg	1630.815	J	1830.583	J	1939.000	1942.431	U	84	%	50-130	
									9	R	30	
Hexachloroethane, 3541 Low Solid	ug/Kg	780.702	J	929.500	J	1939.000	1942.431	U	40	%	40-130	
									16	R	30	
4-Methylphenol (m/p-cresol), 3541 Low	ug/Kg	1818.780	J	2121.320		1939.000	1942.431	U	94	%	60-130	
									12	R	30	
2-Chlorophenol, 3541 Low Solid	ug/Kg	1557.252	J	1801.553	J	1939.000	1942.431	U	80	%	50-130	
									12	R	30	
Nitrobenzene, 3541 Low Solid	ug/Kg	1481.961		1610.704		1939.000	383.834	U	76	%	50-130	
									6	R	30	
Bis(2-chloroethoxy)methane, 3541 Low S	ug/Kg	1552.743	J	1678.249	J	1939.000	1942.431	U	80	%	50-130	
									5	R	30	
1,2,4-Trichlorobenzene, 3541 Low Solid	ug/Kg	1468.519	J	1619.216	J	1939.000	1942.431	U	76	%	60-130	
									6	R	30	
Benzoic acid, 3541 Low Solid	ug/Kg	4981.534	J	5480.333	J	8363.000	19424.313	U	257	%	10-130	*
									7	R	30	
Isophorone, 3541 Low Solid	ug/Kg	1535.661	J	1656.259	J	1939.000	1942.431	U	79	%	50-130	
									5	R	30	
2,4-Dimethylphenol, 3541 Low Solid	ug/Kg	1692.040	J	1833.757	J	1939.000	3838.337	U	87	%	50-130	
									6	R	30	
Hexachlorobutadiene, 3541 Low Solid	ug/Kg	1515.156	J	1589.938	J	1939.000	1942.431	U	78	%	60-130	
									3	R	30	
Naphthalene, 3541 Low Solid	ug/Kg	1593.289		1766.627		1939.000	91.246	J	82	%	55-100	
									8	R	30	
2,4-Dichlorophenol, 3541 Low Solid	ug/Kg	1659.636	J	1847.618	J	1939.000	3838.337	U	86	%	60-130	
									8	R	30	
4-Chloroaniline, 3541 Low Solid	ug/Kg	1229.594	J	1238.052	J	1939.000	7792.988	U	63	%	20-130	
									2	R	30	
2,4,6-Trichlorophenol, 3541 Low Solid	ug/Kg	1883.987	J	2146.630	J	1939.000	3838.337	U	97	%	60-130	
									11	R	30	
2,4,5-Trichlorophenol, 3541 Low Solid	ug/Kg	2015.709	J	2238.796	J	1939.000	3838.337	U	104	%	60-130	
									7	R	30	
Hexachlorocyclopentadiene, 3541 Low So	ug/Kg	7792.988	U	7792.988	U	1939.000	7792.988	U	0	%	20-130	*
									0	R	30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	06BWLBLKB	244450-12		03/07/2006	0057

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
2-Methylnaphthalene, 3541 Low Solid	ug/Kg	1712.689	J	1932.432	J	1939.000	1942.431	U	88	%	60-130	
									10	R	30	
2-Nitroaniline, 3541 Low Solid	ug/Kg	1685.686	J	1993.299		1939.000	1942.431	U	87	%	50-130	
									14	R	30	
2-Chloronaphthalene, 3541 Low Solid	ug/Kg	1707.994	J	1887.217	J	1939.000	1942.431	U	88	%	60-130	
									8	R	30	
4-Chloro-3-methylphenol, 3541 Low Soli	ug/Kg	1702.698	J	1973.625	J	1939.000	3838.337	U	88	%	60-130	
									12	R	30	
2,6-Dinitrotoluene, 3541 Low Solid	ug/Kg	1779.766	J	2079.070		1939.000	1942.431	U	92	%	60-130	
									12	R	30	
2-Nitrophenol, 3541 Low Solid	ug/Kg	1452.941	J	1579.003	J	1939.000	3838.337	U	75	%	60-130	
									5	R	30	
3-Nitroaniline, 3541 Low Solid	ug/Kg	1570.523	J	1679.632	J	1939.000	3838.337	U	81	%	30-130	
									4	R	30	
Dimethyl phthalate, 3541 Low Solid	ug/Kg	1774.501	J	1943.395		1939.000	1942.431	U	92	%	60-130	
									5	R	30	
2,4-Dinitrophenol, 3541 Low Solid	ug/Kg	7792.988	U	7792.988	U	3094.000	7792.988	U	0	%	10-130	*
									0	R	30	
Acenaphthylene, 3541 Low Solid	ug/Kg	1742.919		1945.006		1939.000	383.834	U	90	%	59-104	
									9	R	30	
2,4-Dinitrotoluene, 3541 Low Solid	ug/Kg	1707.948	J	2004.434		1939.000	1942.431	U	88	%	60-130	
									14	R	30	
Acenaphthene, 3541 Low Solid	ug/Kg	1783.015		1991.481		1939.000	383.834	U	92	%	64-100	
									8	R	30	
Dibenzofuran, 3541 Low Solid	ug/Kg	1854.883	J	2037.717		1939.000	1942.431	U	96	%	60-130	
									6	R	30	
4-Nitrophenol, 3541 Low Solid	ug/Kg	2174.128	J	2724.579	J	2163.000	7792.988	U	112	%	30-130	
									20	R	30	
Fluorene, 3541 Low Solid	ug/Kg	1895.793		2104.576		1939.000	383.834	U	98	%	61-105	
									8	R	30	
4-Nitroaniline, 3541 Low Solid	ug/Kg	1520.091	J	1840.474	J	1939.000	3838.337	U	78	%	50-130	
									16	R	30	
4-Bromophenyl phenyl ether, 3541 Low S	ug/Kg	1742.748	J	1867.236	J	1939.000	1942.431	U	90	%	50-130	
									4	R	30	
Hexachlorobenzene, 3541 Low Solid	ug/Kg	1736.281		1824.376		1939.000	779.299	U	90	%	60-130	
									2	R	30	
Diethyl phthalate, 3541 Low Solid	ug/Kg	1850.963	J	2030.147		1939.000	1942.431	U	95	%	50-130	
									7	R	30	
4-Chlorophenyl phenyl ether, 3541 Low	ug/Kg	1908.870	J	2123.122		1939.000	1942.431	U	98	%	60-130	
									9	R	30	
Pentachlorophenol, 3541 Low Solid	ug/Kg	1002.595	J	1504.271	J	2140.000	7792.988	U	52	%	20-130	
									36	R	30	*
n-Nitrosodiphenylamine, 3541 Low Solid	ug/Kg	1846.148	J	1958.775		1939.000	1942.431	U	95	%	60-130	
									3	R	30	
4,6-Dinitro-2-methylphenol, 3541 Low S	ug/Kg	3838.337	U	3838.337	U	1939.000	3838.337	U	0	%	10-130	*
									0	R	30	
Phenanthrene, 3541 Low Solid	ug/Kg	1913.918		2059.835		1939.000	119.651	J	99	%	63-113	
									4	R	30	
Anthracene, 3541 Low Solid	ug/Kg	1815.989		1961.076		1939.000	383.834	U	94	%	53-108	
									4	R	30	
Carbazole, 3541 Low Solid	ug/Kg	1920.179	J	2045.599		1939.000	1942.431	U	99	%	60-130	
									4	R	30	
Di-n-butyl phthalate, 3541 Low Solid	ug/Kg	1912.487	J	2072.145		1939.000	1942.431	U	99	%	60-130	
									5	R	30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	06BWLBLKB	244450-12		03/07/2006	0057

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Benzidine, 3541 Low Solid	ug/Kg	7792.988	U	7792.988	U	1939.000	7792.988	U	0	%	10-130	*
									0	R	30	
Fluoranthene, 3541 Low Solid	ug/Kg	1961.450		2131.135		1939.000	97.036	J	101	%	56-112	
									6	R	30	
Pyrene, 3541 Low Solid	ug/Kg	1815.508		2006.387		1939.000	80.966	J	94	%	62-114	
									7	R	30	
Butyl benzyl phthalate, 3541 Low Solid	ug/Kg	1891.055	J	2020.001		1939.000	1942.431	U	98	%	50-130	
									3	R	30	
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	1779.994		1890.358		1939.000	383.834	U	92	%	56-130	
									3	R	30	
Chrysene, 3541 Low Solid	ug/Kg	1865.514		1984.421		1939.000	82.760	J	96	%	52-113	
									4	R	30	
3,3-Dichlorobenzidine, 3541 Low Solid	ug/Kg	894.791	J	668.164	J	1939.000	1942.431	U	46	%	30-130	
									30	R	30	
Bis(2-ethylhexyl)phthalate, 3541 Low S	ug/Kg	2067.099		2223.216		1939.000	1942.431	U	107	%	50-130	
									5	R	30	
Di-n-octyl phthalate, 3541 Low Solid	ug/Kg	2121.528		2268.265		1939.000	1942.431	U	109	%	40-130	
									4	R	30	
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	1832.788		1971.305		1939.000	145.942	J	95	%	37-150	
									4	R	30	
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	2092.493		2223.248		1939.000	383.834	U	108	%	37-120	
									4	R	30	
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	1890.121		2045.818		1939.000	82.600	J	98	%	55-117	
									5	R	30	
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	1897.561		2002.624		1939.000	104.336	J	98	%	57-118	
									2	R	30	
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	1884.220		1977.672		1939.000	383.834	U	97	%	54-121	
									2	R	30	
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	1935.300		2027.691		1939.000	154.952	J	100	%	56-128	
									2	R	30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: QMA009-001 ATTN: Eric Evans

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 174081

Analyst...: tds

LCS	Laboratory Control Sample	M06BSPK001	173463-002		02/23/2006 2345

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	8.39		10.00	0.37	U	84	%	80-120	
Barium, Solid	mg/Kg	191.53		200.00	0.12	B	96	%	80-120	
Cadmium, Solid	mg/Kg	4.67		5.00	0.06	U	93	%	80-120	
Chromium, Solid	mg/Kg	19.46		20.00	0.15	B	97	%	80-120	
Lead, Solid	mg/Kg	9.40		10.00	0.25	U	94	%	80-120	
Selenium, Solid	mg/Kg	8.36		10.00	0.45	U	84	%	80-120	
Silver, Solid	mg/Kg	4.52		5.00	0.10	U	90	%	80-120	

LCS	Laboratory Control Sample	M06BSPK001	173929-002		02/24/2006 0156

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	8.92		10.00	0.37	U	89	%	80-120	
Barium, Solid	mg/Kg	193.96		200.00	0.13	B	97	%	80-120	
Cadmium, Solid	mg/Kg	4.67		5.00	0.06	U	93	%	80-120	
Chromium, Solid	mg/Kg	19.37		20.00	0.10	U	97	%	80-120	
Lead, Solid	mg/Kg	9.19		10.00	0.25	U	92	%	80-120	
Selenium, Solid	mg/Kg	8.66		10.00	0.45	U	87	%	80-120	
Silver, Solid	mg/Kg	4.94		5.00	0.10	U	99	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: ONA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 174081

Analyst...: tds

MB	Method Blank	173463	173463-001		02/23/2006	2340

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.12	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.15	B							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

MB	Method Blank	173929	173929-001		02/24/2006	0152

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.37	U							
Barium, Solid	mg/Kg	0.13	B							
Cadmium, Solid	mg/Kg	0.06	U							
Chromium, Solid	mg/Kg	0.10	U							
Lead, Solid	mg/Kg	0.25	U							
Selenium, Solid	mg/Kg	0.45	U							
Silver, Solid	mg/Kg	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		244450-12		02/24/2006	0323

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 174081

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	2.15			2.18	0.03	A	1.17	
Barium, Solid	mg/Kg	44.30			37.59	16.4	R	20.0	
Cadmium, Solid	mg/Kg	0.24			0.19	B 0.05	A	0.23	
Chromium, Solid	mg/Kg	5.30			4.82	0.48	A	1.17	
Lead, Solid	mg/Kg	135.93			124.32	8.9	R	20.0	
Selenium, Solid	mg/Kg	0.53	U		0.53	U 0.09	A	1.17	
Silver, Solid	mg/Kg	0.22	B		0.14	B 0.08	A	0.59	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M06BSPK001	244450-12		02/24/2006	0327

Test Method.....: 6010B Equipment Code....: ICP5 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 174081

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	11.84		11.30	2.18	85	%	75-125	
Barium, Solid	mg/Kg	251.77		226.00	37.59	95	%	75-125	
Cadmium, Solid	mg/Kg	5.25		5.65	0.19 B	93	%	75-125	
Chromium, Solid	mg/Kg	28.06		22.60	4.82	103	%	75-125	
Lead, Solid	mg/Kg	136.84		11.30	124.32	111	%	75-125	4
Selenium, Solid	mg/Kg	9.64		11.30	0.51 U	85	%	75-125	
Silver, Solid	mg/Kg	5.51		5.65	0.14 B	98	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M06BSPK001	244450-12		02/24/2006	0332

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 174081

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	13.09	11.84	11.65	2.18		94	%	75-125	
							10.1	R	20	
Barium, Solid	mg/Kg	268.43	251.77	233.00	37.59		99	%	75-125	
							4.1	R	20	
Cadmium, Solid	mg/Kg	5.60	5.25	5.83	0.19	B	96	%	75-125	
							3.2	R	20	
Chromium, Solid	mg/Kg	29.19	28.06	23.30	4.82		105	%	75-125	
							1.9	R	20	
Lead, Solid	mg/Kg	143.20	136.84	11.65	124.32		162	%	75-125	4
							37.4	R	20	*
Selenium, Solid	mg/Kg	9.97	9.64	11.65	0.52	U	86	%	75-125	
							1.2	R	20	
Silver, Solid	mg/Kg	5.85	5.51	5.83	0.14	B	100	%	75-125	
							2.0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		244450-12		02/24/2006	0318

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 174081

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic, Solid	mg/Kg	0.42	U			2.18					
Barium, Solid	mg/Kg	7.67				37.59		2.0	D	10.0	
Cadmium, Solid	mg/Kg	0.07	U			0.19	B				
Chromium, Solid	mg/Kg	1.00	B			4.82					
Lead, Solid	mg/Kg	25.73				124.32		3.5	D	10.0	
Selenium, Solid	mg/Kg	0.51	U			0.51	U				
Silver, Solid	mg/Kg	0.11	U			0.14	B				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M06BSPK001	174046-002		02/24/2006	1707

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 174204
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.09585		0.10000	0.00210 U	96	%	80-120	
Barium	mg/L	1.96504		2.00000	0.00032 U	98	%	80-120	
Cadmium	mg/L	0.04893		0.05000	0.00036 U	98	%	80-120	
Chromium	mg/L	0.20060		0.20000	0.00130 U	100	%	80-120	
Lead	mg/L	0.09693		0.10000	0.00260 U	97	%	80-120	
Selenium	mg/L	0.09200		0.10000	0.00420 U	92	%	80-120	
Silver	mg/L	0.05045		0.05000	0.00090 U	101	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	174046	174046-001		02/24/2006	1701

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 174204

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.00210 U							
Barium	mg/L	0.00032 U							
Cadmium	mg/L	0.00036 U							
Chromium	mg/L	0.00130 U							
Lead	mg/L	0.00260 U							
Selenium	mg/L	0.00420 U							
Silver	mg/L	0.00090 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		244450-15		02/24/2006	1859

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 174204

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.00210 U			0.00210 U	0	A	0.01000	
Barium	mg/L	0.00032 U			0.00140 B	0.00120	A	0.01000	
Cadmium	mg/L	0.00036 U			0.00036 U	0.00013	A	0.00200	
Chromium	mg/L	0.00130 U			0.00130 U	0.00023	A	0.01000	
Lead	mg/L	0.00296 B			0.00260 U	0.00191	A	0.00500	
Selenium	mg/L	0.00420 U			0.00420 U	0.00268	A	0.01000	
Silver	mg/L	0.00090 U			0.00090 U	0.00018	A	0.00500	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M06BSPK001	244450-15		02/24/2006	1906

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 174204

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.09614		0.10000	0.00210 U	96	%	75-125	
Barium	mg/L	1.97141		2.00000	0.00140 B	99	%	75-125	
Cadmium	mg/L	0.05087		0.05000	0.00036 U	102	%	75-125	
Chromium	mg/L	0.20941		0.20000	0.00130 U	105	%	75-125	
Lead	mg/L	0.10255		0.10000	0.00260 U	103	%	75-125	
Selenium	mg/L	0.09340		0.10000	0.00420 U	93	%	75-125	
Silver	mg/L	0.05080		0.05000	0.00090 U	102	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M06BSPK001	244450-15		02/24/2006	1912

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 174204

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.09881	0.09614	0.10000	0.00210 U	99	%	75-125	
						3.1	R	20	
Barium	mg/L	2.00583	1.97141	2.00000	0.00140 B	100	%	75-125	
						1.0	R	20	
Cadmium	mg/L	0.05192	0.05087	0.05000	0.00036 U	104	%	75-125	
						1.9	R	20	
Chromium	mg/L	0.21318	0.20941	0.20000	0.00130 U	107	%	75-125	
						1.9	R	20	
Lead	mg/L	0.10291	0.10255	0.10000	0.00260 U	103	%	75-125	
						0.0	R	20	
Selenium	mg/L	0.09197	0.09340	0.10000	0.00420 U	92	%	75-125	
						1.1	R	20	
Silver	mg/L	0.05174	0.05080	0.05000	0.00090 U	103	%	75-125	
						1.0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450

Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		244450-15		02/24/2006	1853

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 174204

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.00210 U			0.00210 U				
Barium	mg/L	0.00111 B			0.00140 B				
Cadmium	mg/L	0.00036 U			0.00036 U				
Chromium	mg/L	0.00130 U			0.00130 U				
Lead	mg/L	0.00260 U			0.00260 U				
Selenium	mg/L	0.00420 U			0.00420 U				
Silver	mg/L	0.00090 U			0.00090 U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 244450 Report Date.: 03/07/2006

CUSTOMER: HydroGeoLogic, Inc. PROJECT: OMA009-001 ATTN: Eric Evans

Test Method.....: Method Batch.....: 173852 Analyst...: pfk
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	173852-001		%	0.1000 U								02/22/2006	1330
MD	244450-12		%	82.70000			83.00000	0.4		R	5.0	02/22/2006	1350

Test Method.....: 7470A Batch.....: 173915 Analyst...: gok
Method Description.: Mercury (CVAA) Equipment Code....: HG4 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	173913-007		mg/L	0.00008 U								02/22/2006	1325
LCS	173913-008	MO4LSTK010	mg/L	0.00207		0.00200	0.00008 U	104		%	80-120	02/22/2006	1327

Test Method.....: 7471A Batch.....: 174122 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	174120-007		mg/Kg	0.01 U								02/23/2006	1446
LCS	174120-008	MO4LSTK010	mg/Kg	0.16		0.17	0.01 U	98		%	80-120	02/23/2006	1448
MB	174121-007		mg/Kg	0.01 U								02/23/2006	1557
LCS	174121-008	MO4LSTK010	mg/Kg	0.18		0.17	0.01 U	110		%	80-120	02/23/2006	1559
MD	244450-12		mg/Kg	0.87			0.89	1.3		R	20.0	02/23/2006	1704
MS	244450-12	MO5LSTK001	mg/Kg	1.17		0.50	0.89	289	4	%	75-125	02/23/2006	1706
MSD	244450-12	MO5LSTK001	mg/Kg	1.16	1.17	0.50	0.89	273	4	%	75-125	02/23/2006	1708
								5.7		R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: 313 USHERS Rd
BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0390
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: OMA0009-001 Quote:

Shaded Areas For Internal Use Only 1 of 2

Lab Lot# 244450

Package Sealed: Yes / No	Samples Sealed: Yes / No
Received on Ice: Yes / No	Samples Intact: Yes / No
Temperature °C of Cooler: (2.7) (2.3)	
Within Hold Time: Yes / No	Preserv. Indicated: Yes / No / NA
pH Check OK: Yes / No / NA	Res Cl_2 Check OK: Yes / No / NA
Sample Labels and COC Agree: Yes / No	COC not present

Sampler Name: M. JACKSON
Signature: Michael D. Jackson
Project Name: MCA Barracks
Project Number: OMA0009-001
Project Location: MCA-Barracks - HUNTER AAP
Date Required Hard Copy: ___/___/___ Fax: ___/___/___
Lab PM: Linda Mackley

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont	Volume	Preserv	VOCs (full analysis)	SVOCs	Additional Analyses / Remarks
1		MCA-SO016D-6-7-0206	2-16-06	1400	Soil	C		1	80z	None	X		STANDARD TAT
2		MCA-SO016C-6-7-0206		1315									
3		MCA-SO016B-6-7-0206		1230									
4		MCA-SO016A-6-7-0206		1145									
5		MCA-SO017D-6-7-0206		1500									
6		MCA-SO017C-6-7-0206		1530									
7		MCA-SO017B-6-7-0206		1600									
8		MCA-SO017A-6-7-0206		1430									
9		MCA-SO018D-0-2-0206		1000									
10		MCA-SO018C-0-2-0206		0950									
11		MCA-SO018B-0-2-0206		0940									
12		MCA-SO018A-0-2-0206	↓	0930	↓	↓		↓	↓	↓	↓		↓

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Michael D. Jackson	HGL	2-20-06	1850				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
					SE	2/21/06	1010

Matrix Key
WW = Wastewater; W = Water; S = Soil; SL = Sludge; MS = Miscellaneous; OL = Oil; A = Air; SE = Sediment; SO = Solid; DS = Drum Solid; DL = Drum Liquid; L = Leachate; WI = Wipe; O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 2/21/06
Courier: FK Hand Delivered ☐
Bill of Lading See attached

STL Chicago is a part of Severn Trent Laboratories, Inc.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: ERIC EVANS
Company: HGL
Address: 313 USHERS Road
BALLSTON LAKE, NY 12019
Phone: 518-877-0390
Fax: 518-877-0414
E-Mail: eevans@hgl.com

Bill To:
Contact: SAME
Company:
Address:
Phone:
Fax:
PO#: Oma009-001 Quote:

Shaded Areas For Internal Use Only 2 of 2

Lab Lot# 244450

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	Res Cl_2 Check OK
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Jackson
Signature:
Project Name: MCA Barracks
Project Number: Oma009-001
Project Location: MCA Barracks - Hinteraat
Date Required
Hard Copy: ___/___/___
Lab PM: Linda Mackey
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrig #	# / Cont.	Volume	Preserv	RCRA Metals	SVOCs	SVOCs	Acid Metals	Additional Analyses / Remarks
								1	8oz						
								2	1L	NaOH					
								1	500mL	HNO3					
13		MCA-SODUP101-0266	2-18-06	1540	S	C		X							
14 12		MCA-SOMS18A-0206	↓	0930	↓	↓		↓							
15 L		MCA-SOMSD18A-0206	↓	0930	↓	↓		↓							
16 14		MCA-SODUP102-0206	↓	0805	↓	↓		↓							
17 15		EB0218006	↓	1700	W	G						X	X		

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	HGL	2-20-06	1850		STL	2/21/06	1010
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, Wi = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received 2/21/06
Courier: FX **Hand Delivered**
Bill of Lading

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
BOTTOM NE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0415501A

Level: (low/med) LOW Date Sampled: 04/12/07 09:30

% Moisture: not dec. 0 Date Analyzed: 04/18/07 10:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50	7.5	J
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50	2.6	J
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0	14	
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0	1.6	J
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
100-41-4	Ethylbenzene	0.75	5.0		U
591-78-6	2-Hexanone	2.3	25		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
75-09-2	Methylene chloride	0.62	10	5.9	JB
108-87-2	Methyl cyclohexane	0.30	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
100-42-5	Styrene	0.35	5.0	0.39	J
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
BOTTOM NE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0415501A

Level: (low/med) LOW Date Sampled: 04/12/07 09:30

% Moisture: not dec. 0 Date Analyzed: 04/18/07 10:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	0.86	5.0	1.8	J
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0	450	E
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
75-01-4	Vinyl chloride	1.1	10		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
BOTTOM NE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-01

Sample wt/vol: 4.5 (g/mL) G Lab File ID: M0415501

Level: (low/med) MED Date Sampled: 04/12/07 09:30

% Moisture: not dec. 0 Date Analyzed: 04/19/07 06:08

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	110	2800		U
71-43-2	Benzene	26	280		U
75-27-4	Bromodichloromethane	17	280		U
75-25-2	Bromoform	56	280		U
74-83-9	Bromomethane	40	560		U
78-93-3	2-Butanone	78	2800		U
75-15-0	Carbon disulfide	72	280		U
56-23-5	Carbon tetrachloride	49	280		U
108-90-7	Chlorobenzene	140	280		U
75-00-3	Chloroethane	61	560		U
67-66-3	Chloroform	30	280		U
74-87-3	Chloromethane	29	560		U
110-82-7	Cyclohexane	30	560		U
124-48-1	Dibromochloromethane	19	280		U
96-12-8	1,2-Dibromo-3-chloropropane	67	560		U
106-93-4	1,2-Dibromoethane	24	280		U
95-50-1	1,2-Dichlorobenzene	20	280		U
541-73-1	1,3-Dichlorobenzene	47	280		U
106-46-7	1,4-Dichlorobenzene	30	280		U
75-71-8	Dichlorodifluoromethane	61	560		U
75-34-3	1,1-Dichloroethane	30	280		U
107-06-2	1,2-Dichloroethane	26	280		U
75-35-4	1,1-Dichloroethene	67	280		U
156-59-2	cis-1,2-Dichloroethene	67	280		U
156-60-5	trans-1,2-Dichloroethene	61	280		U
78-87-5	1,2-Dichloropropane	26	280		U
10061-01-5	cis-1,3-Dichloropropene	28	280		U
10061-02-6	trans-1,3-Dichloropropene	18	280		U
100-41-4	Ethylbenzene	42	280		U
591-78-6	2-Hexanone	130	1400		U
98-82-8	Isopropylbenzene	49	280		U
79-20-9	Methyl acetate	89	280		U
75-09-2	Methylene chloride	34	560		U
108-87-2	Methyl cyclohexane	17	280		U
1634-04-4	MTBE	18	280		U
108-10-1	4-Methyl-2-pentanone	32	1400		U
100-42-5	Styrene	19	280		U
79-34-5	1,1,2,2-Tetrachloroethane	24	280		U
127-18-4	Tetrachloroethene	54	280		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
BOTTOM NE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-01

Sample wt/vol: 4.5 (g/mL) G Lab File ID: M0415501

Level: (low/med) MED Date Sampled: 04/12/07 09:30

% Moisture: not dec. 0 Date Analyzed: 04/19/07 06:08

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
108-88-3	Toluene	48	280		U
120-82-1	1,2,4-Trichlorobenzene	10	280		U
71-55-6	1,1,1-Trichloroethane	50	280		U
79-00-5	1,1,2-Trichloroethane	19	280		U
79-01-6	Trichloroethene	47	280		U
76-13-1	Trichlorotrifluoroethane	30	280		U
75-69-4	Trichlorofluoromethane	53	560		U
75-01-4	Vinyl chloride	61	560		U
1330-20-7	Xylene(total)	39	280		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
OUTLET DRAIN

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-03

Sample wt/vol: 4.5 (g/mL) G Lab File ID: M0415503

Level: (low/med) MED Date Sampled: 04/12/07 14:20

% Moisture: not dec. 0 Date Analyzed: 04/18/07 11:52

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	110	2800		U
71-43-2	Benzene	26	280		U
75-27-4	Bromodichloromethane	17	280		U
75-25-2	Bromoform	56	280		U
74-83-9	Bromomethane	40	560		U
78-93-3	2-Butanone	78	2800		U
75-15-0	Carbon disulfide	72	280		U
56-23-5	Carbon tetrachloride	49	280		U
108-90-7	Chlorobenzene	140	280		U
75-00-3	Chloroethane	61	560		U
67-66-3	Chloroform	30	280		U
74-87-3	Chloromethane	29	560		U
110-82-7	Cyclohexane	30	560		U
124-48-1	Dibromochloromethane	19	280		U
96-12-8	1,2-Dibromo-3-chloropropane	67	560		U
106-93-4	1,2-Dibromoethane	24	280		U
95-50-1	1,2-Dichlorobenzene	20	280		U
541-73-1	1,3-Dichlorobenzene	47	280		U
106-46-7	1,4-Dichlorobenzene	30	280		U
75-71-8	Dichlorodifluoromethane	61	560		U
75-34-3	1,1-Dichloroethane	30	280		U
107-06-2	1,2-Dichloroethane	26	280		U
75-35-4	1,1-Dichloroethene	67	280		U
156-59-2	cis-1,2-Dichloroethene	67	280		U
156-60-5	trans-1,2-Dichloroethene	61	280		U
78-87-5	1,2-Dichloropropane	26	280		U
10061-01-5	cis-1,3-Dichloropropene	28	280		U
10061-02-6	trans-1,3-Dichloropropene	18	280		U
100-41-4	Ethylbenzene	42	280		U
591-78-6	2-Hexanone	130	1400		U
98-82-8	Isopropylbenzene	49	280		U
79-20-9	Methyl acetate	89	280		U
75-09-2	Methylene chloride	34	560		U
108-87-2	Methyl cyclohexane	17	280		U
1634-04-4	MTBE	18	280		U
108-10-1	4-Methyl-2-pentanone	32	1400		U
100-42-5	Styrene	19	280		U
79-34-5	1,1,2,2-Tetrachloroethane	24	280		U
127-18-4	Tetrachloroethene	54	280		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
OUTLET DRAIN

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-03

Sample wt/vol: 4.5 (g/mL) G Lab File ID: M0415503

Level: (low/med) MED Date Sampled: 04/12/07 14:20

% Moisture: not dec. 0 Date Analyzed: 04/18/07 11:52

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	48	280	49	J
120-82-1	1,2,4-Trichlorobenzene	10	280		U
71-55-6	1,1,1-Trichloroethane	50	280		U
79-00-5	1,1,2-Trichloroethane	19	280		U
79-01-6	Trichloroethene	47	280	610	
76-13-1	Trichlorotrifluoroethane	30	280		U
75-69-4	Trichlorofluoromethane	53	560		U
75-01-4	Vinyl chloride	61	560		U
1330-20-7	Xylene(total)	39	280		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
OUTLET DRAIN E.

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-04

Sample wt/vol: 4.7 (g/mL) G Lab File ID: 0415504A

Level: (low/med) LOW Date Sampled: 04/12/07 15:30

% Moisture: not dec. 0 Date Analyzed: 04/18/07 11:14

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.1	53	11	J
71-43-2	Benzene	0.50	5.3		U
75-27-4	Bromodichloromethane	0.32	5.3		U
75-25-2	Bromoform	1.1	5.3		U
74-83-9	Bromomethane	0.76	11		U
78-93-3	2-Butanone	1.5	53	2.9	J
75-15-0	Carbon disulfide	1.4	5.3		U
56-23-5	Carbon tetrachloride	0.94	5.3		U
108-90-7	Chlorobenzene	2.6	5.3		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.58	5.3		U
74-87-3	Chloromethane	0.55	11		U
110-82-7	Cyclohexane	0.57	11		U
124-48-1	Dibromochloromethane	0.36	5.3		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.46	5.3		U
95-50-1	1,2-Dichlorobenzene	0.39	5.3		U
541-73-1	1,3-Dichlorobenzene	0.89	5.3		U
106-46-7	1,4-Dichlorobenzene	0.58	5.3		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.57	5.3		U
107-06-2	1,2-Dichloroethane	0.49	5.3		U
75-35-4	1,1-Dichloroethene	1.3	5.3		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.3	16	
156-60-5	trans-1,2-Dichloroethene	1.2	5.3		U
78-87-5	1,2-Dichloropropane	0.49	5.3		U
10061-01-5	cis-1,3-Dichloropropene	0.53	5.3		U
10061-02-6	trans-1,3-Dichloropropene	0.34	5.3		U
100-41-4	Ethylbenzene	0.80	5.3		U
591-78-6	2-Hexanone	2.4	26		U
98-82-8	Isopropylbenzene	0.94	5.3		U
79-20-9	Methyl acetate	1.7	5.3		U
75-09-2	Methylene chloride	0.66	11	3.2	JB
108-87-2	Methyl cyclohexane	0.32	5.3		U
1634-04-4	MTBE	0.34	5.3		U
108-10-1	4-Methyl-2-pentanone	0.62	26	1.5	J
100-42-5	Styrene	0.37	5.3		U
79-34-5	1,1,2,2-Tetrachloroethane	0.46	5.3		U
127-18-4	Tetrachloroethene	1.0	5.3		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
OUTLET DRAIN E-N

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-04

Sample wt/vol: 4.7 (g/mL) G Lab File ID: 0415504A

Level: (low/med) LOW Date Sampled: 04/12/07 15:30

% Moisture: not dec. 0 Date Analyzed: 04/18/07 11:14

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
108-88-3	Toluene	0.91	5.3	1.3	J
120-82-1	1,2,4-Trichlorobenzene	0.19	5.3		U
71-55-6	1,1,1-Trichloroethane	0.96	5.3		U
79-00-5	1,1,2-Trichloroethane	0.37	5.3		U
79-01-6	Trichloroethene	0.90	5.3	260	E
76-13-1	Trichlorotrifluoroethane	0.58	5.3		U
75-69-4	Trichlorofluoromethane	1.0	11		U
75-01-4	Vinyl chloride	1.2	11		U
1330-20-7	Xylene(total)	0.74	5.3		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
OUTLET DRAIN

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-04

Sample wt/vol: 4.5 (g/mL) G Lab File ID: M0415504

Level: (low/med) MED Date Sampled: 04/12/07 15:30

% Moisture: not dec. 0 Date Analyzed: 04/19/07 06:45

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	110	2800		U
71-43-2	Benzene	26	280		U
75-27-4	Bromodichloromethane	17	280		U
75-25-2	Bromoform	56	280		U
74-83-9	Bromomethane	40	560		U
78-93-3	2-Butanone	78	2800		U
75-15-0	Carbon disulfide	72	280		U
56-23-5	Carbon tetrachloride	49	280		U
108-90-7	Chlorobenzene	140	280		U
75-00-3	Chloroethane	61	560		U
67-66-3	Chloroform	30	280		U
74-87-3	Chloromethane	29	560		U
110-82-7	Cyclohexane	30	560		U
124-48-1	Dibromochloromethane	19	280		U
96-12-8	1,2-Dibromo-3-chloropropane	67	560		U
106-93-4	1,2-Dibromoethane	24	280		U
95-50-1	1,2-Dichlorobenzene	20	280		U
541-73-1	1,3-Dichlorobenzene	47	280		U
106-46-7	1,4-Dichlorobenzene	30	280		U
75-71-8	Dichlorodifluoromethane	61	560		U
75-34-3	1,1-Dichloroethane	30	280		U
107-06-2	1,2-Dichloroethane	26	280		U
75-35-4	1,1-Dichloroethene	67	280		U
156-59-2	cis-1,2-Dichloroethene	67	280		U
156-60-5	trans-1,2-Dichloroethene	61	280		U
78-87-5	1,2-Dichloropropane	26	280		U
10061-01-5	cis-1,3-Dichloropropene	28	280		U
10061-02-6	trans-1,3-Dichloropropene	18	280		U
100-41-4	Ethylbenzene	42	280		U
591-78-6	2-Hexanone	130	1400		U
98-82-8	Isopropylbenzene	49	280		U
79-20-9	Methyl acetate	89	280		U
75-09-2	Methylene chloride	34	560		U
108-87-2	Methyl cyclohexane	17	280		U
1634-04-4	MTBE	18	280		U
108-10-1	4-Methyl-2-pentanone	32	1400		U
100-42-5	Styrene	19	280		U
79-34-5	1,1,2,2-Tetrachloroethane	24	280		U
127-18-4	Tetrachloroethene	54	280		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLDG 811
OUTLET DRAIN E.

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: 0704155-04

Sample wt/vol: 4.5 (g/mL) G Lab File ID: M0415504

Level: (low/med) MED Date Sampled: 04/12/07 15:30

% Moisture: not dec. 0 Date Analyzed: 04/19/07 06:45

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	48	280		U
120-82-1	1,2,4-Trichlorobenzene	10	280		U
71-55-6	1,1,1-Trichloroethane	50	280		U
79-00-5	1,1,2-Trichloroethane	19	280		U
79-01-6	Trichloroethene	47	280	390	
76-13-1	Trichlorotrifluoroethane	30	280		U
75-69-4	Trichlorofluoromethane	53	560		U
75-01-4	Vinyl chloride	61	560		U
1330-20-7	Xylene(total)	39	280		U

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DFM) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	V1BLK0418LCS	98	93	98	99	0
02	V1BLK0418	106	101	102	98	0
03	BLDG 811 BOT	106	98	105	84	0
04	BLDG 811 OUT	107	103	111	82	0
05	V1BLK0418LCS	103	97	96	101	0
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27						
28						
29						
30						

		EL QC LIMITS	SPIKE CONC (ug/Kg)
SMC1	(DFM) = Dibromofluoromethane	(80-125)	30
SMC2	(DCE) = 1,2-Dichloroethane-d4	(75-140)	30
SMC3	(TOL) = Toluene-d8	(80-120)	30
SMC4	(BFB) = Bromofluorobenzene	(80-125)	30

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate results reported from a diluted analysis

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DFM) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	V1BLK0418LCS	98	93	98	99	0
02	V1BLK0418	106	101	102	98	0
03	0704155-01	106	98	105	84	0
04	0704155-04	107	103	111	82	0
05	V1BLK0418LCS	103	97	96	101	0
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30						

		EL QC LIMITS	SPIKE CONC (ug/Kg)
SMC1 (DFM)	= Dibromofluoromethane	(80-125)	30
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(75-140)	30
SMC3 (TOL)	= Toluene-d8	(80-120)	30
SMC4 (BFB)	= Bromofluorobenzene	(80-125)	30

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate results reported from a diluted analysis

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix Spike - Client Sample No.: V1BLK0418 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	0.0000	88.20	88	30-155
Benzene	50.00	0.0000	49.62	99	70-130
Bromodichloromethane	50.00	0.0000	48.53	97	70-145
Bromoform	50.00	0.0000	52.22	104	60-130
Bromomethane	50.00	0.0000	49.88	100	50-160
2-Butanone	100.0	0.0000	96.83	97	50-145
Carbon disulfide	50.00	0.0000	66.25	132	65-145
Carbon tetrachloride	50.00	0.0000	51.60	103	65-140
Chlorobenzene	50.00	0.0000	52.46	105	70-120
Chloroethane	50.00	0.0000	52.51	105	60-145
Chloroform	50.00	0.0000	54.40	109	65-135
Chloromethane	50.00	0.0000	51.74	103	50-150
Cyclohexane	50.00	0.0000	55.72	111	65-140
Dibromochloromethane	50.00	0.0000	53.17	106	70-140
1,2-Dibromo-3-chloropro	50.00	0.0000	46.80	94	55-145
1,2-Dibromoethane	50.00	0.0000	53.06	106	70-135
1,2-Dichlorobenzene	50.00	0.0000	51.67	103	75-125
1,3-Dichlorobenzene	50.00	0.0000	53.65	107	70-125
1,4-Dichlorobenzene	50.00	0.0000	51.58	103	70-125
Dichlorodifluoromethane	50.00	0.0000	63.18	126	35-155
1,1-Dichloroethane	50.00	0.0000	49.19	98	70-135
1,2-Dichloroethane	50.00	0.0000	52.72	105	65-140
1,1-Dichloroethene	50.00	0.0000	45.24	90	65-135
cis-1,2-Dichloroethene	50.00	0.0000	46.30	93	70-135
trans-1,2-Dichloroethen	50.00	0.0000	47.65	95	65-140
1,2-Dichloropropane	50.00	0.0000	51.31	103	70-135
cis-1,3-Dichloropropene	50.00	0.0000	52.54	105	75-135
trans-1,3-Dichloroprope	50.00	0.0000	57.51	115	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix Spike - Client Sample No.: V1BLK0418 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Ethylbenzene	50.00	0.0000	51.71	103	75-125
2-Hexanone	100.0	0.0000	102.3	102	50-140
Isopropylbenzene	50.00	0.0000	59.00	118	70-130
Methyl acetate	50.00	0.0000	49.67	99	45-265
Methylene chloride	50.00	1.059	50.18	98	55-155
Methyl cyclohexane	50.00	0.0000	56.14	112	65-135
MTBE	50.00	0.0000	40.45	81	55-150
4-Methyl-2-pentanone	100.0	0.0000	110.2	110	55-145
Styrene	50.00	0.0000	52.73	105	70-125
1,1,2,2-Tetrachloroetha	50.00	0.0000	52.18	104	65-130
Tetrachloroethene	50.00	0.0000	52.23	104	65-130
Toluene	50.00	0.0000	46.89	94	55-140
1,2,4-Trichlorobenzene	50.00	0.0000	56.84	114	55-135
1,1,1-Trichloroethane	50.00	0.0000	49.72	99	65-140
1,1,2-Trichloroethane	50.00	0.0000	49.14	98	70-130
Trichloroethene	50.00	0.0000	49.30	99	60-145
Trichlorotrifluoroethan	50.00	0.0000	59.01	118	60-140
Trichlorofluoromethane	50.00	0.0000	52.67	105	60-145
Vinyl chloride	50.00	0.0000	57.36	115	60-145
Xylene(total)	150.0	0.0000	152.2	101	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix Spike - Client Sample No.: V1BLK0418 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	82.46	82	7	50	30-155
Benzene	50.00	49.25	98	1	50	70-130
Bromodichloromethane	50.00	49.83	100	3	50	70-145
Bromoform	50.00	49.52	99	5	50	60-130
Bromomethane	50.00	41.94	84	17	50	50-160
2-Butanone	100.0	93.37	93	4	50	50-145
Carbon disulfide	50.00	65.18	130	2	50	65-145
Carbon tetrachloride	50.00	50.67	101	2	50	65-140
Chlorobenzene	50.00	50.22	100	4	50	70-120
Chloroethane	50.00	48.94	98	7	50	60-145
Chloroform	50.00	54.87	110	1	50	65-135
Chloromethane	50.00	49.27	98	5	50	50-150
Cyclohexane	50.00	55.25	110	1	50	65-140
Dibromochloromethane	50.00	52.41	105	1	50	70-140
1,2-Dibromo-3-chloropro	50.00	47.61	95	2	50	55-145
1,2-Dibromoethane	50.00	52.72	105	1	50	70-135
1,2-Dichlorobenzene	50.00	49.22	98	5	50	75-125
1,3-Dichlorobenzene	50.00	47.02	94	13	50	70-125
1,4-Dichlorobenzene	50.00	45.12	90	13	50	70-125
Dichlorodifluoromethane	50.00	59.42	119	6	50	35-155
1,1-Dichloroethane	50.00	50.06	100	2	50	70-135
1,2-Dichloroethane	50.00	54.72	109	4	50	65-140
1,1-Dichloroethene	50.00	46.32	93	2	50	65-135
cis-1,2-Dichloroethene	50.00	45.67	91	1	50	70-135
trans-1,2-Dichloroethen	50.00	46.29	92	3	50	65-140
1,2-Dichloropropane	50.00	52.20	104	2	50	70-135
cis-1,3-Dichloropropene	50.00	53.20	106	1	50	75-135
trans-1,3-Dichloroprope	50.00	56.58	113	2	50	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix Spike - Client Sample No.: V1BLK0418 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Ethylbenzene	50.00	50.56	101	2	50	75-125
2-Hexanone	100.0	97.37	97	5	50	50-140
Isopropylbenzene	50.00	58.22	116	1	50	70-130
Methyl acetate	50.00	48.40	97	2	50	45-265
Methylene chloride	50.00	56.21	110	11	50	55-155
Methyl cyclohexane	50.00	51.51	103	9	50	65-135
MTBE	50.00	42.26	84	4	50	55-150
4-Methyl-2-pentanone	100.0	104.6	105	5	50	55-145
Styrene	50.00	52.34	105	1	50	70-125
1,1,2,2-Tetrachloroetha	50.00	49.05	98	6	50	65-130
Tetrachloroethene	50.00	48.28	96	8	50	65-130
Toluene	50.00	44.28	88	6	50	55-140
1,2,4-Trichlorobenzene	50.00	49.56	99	14	50	55-135
1,1,1-Trichloroethane	50.00	49.40	99	1	50	65-140
1,1,2-Trichloroethane	50.00	49.34	99	0	50	70-130
Trichloroethene	50.00	51.61	103	4	50	60-145
Trichlorotrifluoroethan	50.00	56.59	113	4	50	60-140
Trichlorofluoromethane	50.00	52.42	105	0	50	60-145
Vinyl chloride	50.00	52.90	106	8	50	60-145
Xylene(total)	150.0	147.4	98	3	50	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 48 outside limits
Spike Recovery: 0 out of 96 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix Spike - Client Sample No.: V1MBLK0418E Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	5000	0.0000	4319	86	30-155
Benzene	2500	0.0000	2407	96	70-130
Bromodichloromethane	2500	0.0000	2530	101	70-145
Bromoform	2500	0.0000	2514	100	60-130
Bromomethane	2500	0.0000	2423	97	50-160
2-Butanone	5000	0.0000	4818	96	50-145
Carbon disulfide	2500	0.0000	3182	127	65-145
Carbon tetrachloride	2500	0.0000	2483	99	65-140
Chlorobenzene	2500	0.0000	2480	99	70-120
Chloroethane	2500	0.0000	2488	100	60-145
Chloroform	2500	0.0000	2699	108	65-135
Chloromethane	2500	0.0000	2629	105	50-150
Cyclohexane	2500	0.0000	2733	109	65-140
Dibromochloromethane	2500	0.0000	2651	106	70-140
1,2-Dibromo-3-chloropro	2500	0.0000	2470	99	55-145
1,2-Dibromoethane	2500	0.0000	2654	106	70-135
1,2-Dichlorobenzene	2500	0.0000	2457	98	75-125
1,3-Dichlorobenzene	2500	0.0000	2269	91	70-125
1,4-Dichlorobenzene	2500	0.0000	2276	91	70-125
Dichlorodifluoromethane	2500	0.0000	3080	123	35-155
1,1-Dichloroethane	2500	0.0000	2423	97	70-135
1,2-Dichloroethane	2500	0.0000	2668	107	65-140
1,1-Dichloroethene	2500	0.0000	2214	88	65-135
cis-1,2-Dichloroethene	2500	0.0000	2238	90	70-135
trans-1,2-Dichloroethen	2500	0.0000	2312	92	65-140
1,2-Dichloropropane	2500	0.0000	2533	101	70-135
cis-1,3-Dichloropropene	2500	0.0000	2582	103	75-135
trans-1,3-Dichloroprope	2500	0.0000	2811	112	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix Spike - Client Sample No.: V1MBLK0418E Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Ethylbenzene	2500	0.0000	2446	98	75-125
2-Hexanone	5000	0.0000	4943	99	50-140
Isopropylbenzene	2500	0.0000	2826	113	70-130
Methyl acetate	2500	0.0000	2496	100	45-265
Methylene chloride	2500	0.0000	3576	143	55-155
Methyl cyclohexane	2500	0.0000	2591	104	65-135
MTBE	2500	0.0000	2151	86	55-150
4-Methyl-2-pentanone	5000	0.0000	5483	110	55-145
Styrene	2500	0.0000	2566	103	70-125
1,1,2,2-Tetrachloroetha	2500	0.0000	2524	101	65-130
Tetrachloroethene	2500	0.0000	2392	96	65-130
Toluene	2500	0.0000	2165	87	55-140
1,2,4-Trichlorobenzene	2500	0.0000	2480	99	55-135
1,1,1-Trichloroethane	2500	0.0000	2432	97	65-140
1,1,2-Trichloroethane	2500	0.0000	2459	98	70-130
Trichloroethene	2500	0.0000	2422	97	60-145
Trichlorotrifluoroethan	2500	0.0000	2781	111	60-140
Trichlorofluoromethane	2500	0.0000	2600	104	60-145
Vinyl chloride	2500	0.0000	2802	112	60-145
Xylene(total)	7500	0.0000	7300	97	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 48 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V1BLK0418

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Lab File ID: V1BLK01 Lab Sample ID: V1BLK0418

Date Analyzed: 04/18/07 Time Analyzed: 0921

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1BLK0418LCS	V1BLK0418LCS	V1LCS01	0806
02	BLDG 811 BOT	0704155-01	0415501A	1036
03	BLDG 811 OUT	0704155-04	0415504A	1114
04	V1BLK0418LCS	V1BLK0418LCSD	V1LCSD01	1926
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08				
09				
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1BLK0418

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: V1BLK0418

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 04/18/07 09:21

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
100-41-4	Ethylbenzene	0.75	5.0		U
591-78-6	2-Hexanone	2.3	25		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
75-09-2	Methylene chloride	0.62	10	1.0	J
108-87-2	Methyl cyclohexane	0.30	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
100-42-5	Styrene	0.35	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1BLK0418

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: V1BLK0418

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 04/18/07 09:21

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	0.86	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
75-01-4	Vinyl chloride	1.1	10		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V1MBLK0418

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Lab File ID: V1MBLK01 Lab Sample ID: V1MBLK0418

Date Analyzed: 04/18/07 Time Analyzed: 0959

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BLDG 811 OUT	0704155-03	M0415503	1152
02				
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04				
05				
06				
07				
08				
09				
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1MBLK0418

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: V1MBLK0418

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1MBLK01

Level: (low/med) MED Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 04/18/07 09:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	100	2500		U
71-43-2	Benzene	24	250		U
75-27-4	Bromodichloromethane	15	250		U
75-25-2	Bromoform	50	250		U
74-83-9	Bromomethane	36	500		U
78-93-3	2-Butanone	70	2500		U
75-15-0	Carbon disulfide	65	250		U
56-23-5	Carbon tetrachloride	44	250		U
108-90-7	Chlorobenzene	120	250		U
75-00-3	Chloroethane	55	500		U
67-66-3	Chloroform	28	250		U
74-87-3	Chloromethane	26	500		U
110-82-7	Cyclohexane	27	500		U
124-48-1	Dibromochloromethane	17	250		U
96-12-8	1,2-Dibromo-3-chloropropane	60	500		U
106-93-4	1,2-Dibromoethane	22	250		U
95-50-1	1,2-Dichlorobenzene	18	250		U
541-73-1	1,3-Dichlorobenzene	42	250		U
106-46-7	1,4-Dichlorobenzene	28	250		U
75-71-8	Dichlorodifluoromethane	55	500		U
75-34-3	1,1-Dichloroethane	27	250		U
107-06-2	1,2-Dichloroethane	23	250		U
75-35-4	1,1-Dichloroethene	60	250		U
156-59-2	cis-1,2-Dichloroethene	60	250		U
156-60-5	trans-1,2-Dichloroethene	55	250		U
78-87-5	1,2-Dichloropropane	23	250		U
10061-01-5	cis-1,3-Dichloropropene	25	250		U
10061-02-6	trans-1,3-Dichloropropene	16	250		U
100-41-4	Ethylbenzene	38	250		U
591-78-6	2-Hexanone	120	1200		U
98-82-8	Isopropylbenzene	44	250		U
79-20-9	Methyl acetate	80	250		U
75-09-2	Methylene chloride	31	500		U
108-87-2	Methyl cyclohexane	15	250		U
1634-04-4	MTBE	16	250		U
108-10-1	4-Methyl-2-pentanone	29	1200		U
100-42-5	Styrene	18	250		U
79-34-5	1,1,2,2-Tetrachloroethane	22	250		U
127-18-4	Tetrachloroethene	48	250		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1MBLK0418

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: V1MBLK0418

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1MBLK01

Level: (low/med) MED Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 04/18/07 09:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	43	250	54	J
120-82-1	1,2,4-Trichlorobenzene	9.0	250		U
71-55-6	1,1,1-Trichloroethane	45	250		U
79-00-5	1,1,2-Trichloroethane	18	250		U
79-01-6	Trichloroethene	42	250		U
76-13-1	Trichlorotrifluoroethane	28	250		U
75-69-4	Trichlorofluoromethane	48	500		U
75-01-4	Vinyl chloride	55	500		U
1330-20-7	Xylene(total)	35	250		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V1MBLK0418E

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Lab File ID: V1MBLK1E Lab Sample ID: V1MBLK0418E

Date Analyzed: 04/18/07 Time Analyzed: 2313

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1MBLK0418EL	V1MBLK0418ELCS	V1LCS01E	2119
02	BLDG 811 BOT	0704155-01	M0415501	0608
03	BLDG 811 OUT	0704155-04	M0415504	0645
04				
05				
06				
07				
08				
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1MBLK0418E

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: V1MBLK0418E

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1MBLK1E

Level: (low/med) MED Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 04/18/07 23:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	100	2500		U
71-43-2	Benzene	24	250		U
75-27-4	Bromodichloromethane	15	250		U
75-25-2	Bromoform	50	250		U
74-83-9	Bromomethane	36	500		U
78-93-3	2-Butanone	70	2500		U
75-15-0	Carbon disulfide	65	250		U
56-23-5	Carbon tetrachloride	44	250		U
108-90-7	Chlorobenzene	120	250		U
75-00-3	Chloroethane	55	500		U
67-66-3	Chloroform	28	250		U
74-87-3	Chloromethane	26	500		U
110-82-7	Cyclohexane	27	500		U
124-48-1	Dibromochloromethane	17	250		U
96-12-8	1,2-Dibromo-3-chloropropane	60	500		U
106-93-4	1,2-Dibromoethane	22	250		U
95-50-1	1,2-Dichlorobenzene	18	250		U
541-73-1	1,3-Dichlorobenzene	42	250		U
106-46-7	1,4-Dichlorobenzene	28	250		U
75-71-8	Dichlorodifluoromethane	55	500		U
75-34-3	1,1-Dichloroethane	27	250		U
107-06-2	1,2-Dichloroethane	23	250		U
75-35-4	1,1-Dichloroethene	60	250		U
156-59-2	cis-1,2-Dichloroethene	60	250		U
156-60-5	trans-1,2-Dichloroethene	55	250		U
78-87-5	1,2-Dichloropropane	23	250		U
10061-01-5	cis-1,3-Dichloropropene	25	250		U
10061-02-6	trans-1,3-Dichloropropene	16	250		U
100-41-4	Ethylbenzene	38	250		U
591-78-6	2-Hexanone	120	1200		U
98-82-8	Isopropylbenzene	44	250		U
79-20-9	Methyl acetate	80	250		U
75-09-2	Methylene chloride	31	500		U
108-87-2	Methyl cyclohexane	15	250		U
1634-04-4	MTBE	16	250		U
108-10-1	4-Methyl-2-pentanone	29	1200		U
100-42-5	Styrene	18	250		U
79-34-5	1,1,2,2-Tetrachloroethane	22	250		U
127-18-4	Tetrachloroethene	48	250		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1MBLK0418E

Lab Name: EMPIRICAL LABS Contract: SES(FKA STEP)

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: STE.V04155

Matrix: (soil/water) SOIL Lab Sample ID: V1MBLK0418E

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1MBLK1E

Level: (low/med) MED Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 04/18/07 23:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	43	250		U
120-82-1	1,2,4-Trichlorobenzene	9.0	250		U
71-55-6	1,1,1-Trichloroethane	45	250		U
79-00-5	1,1,2-Trichloroethane	18	250		U
79-01-6	Trichloroethene	42	250		U
76-13-1	Trichlorotrifluoroethane	28	250		U
75-69-4	Trichlorofluoromethane	48	500		U
75-01-4	Vinyl chloride	55	500		U
1330-20-7	Xylene(total)	35	250		U

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: **HAA-15**

Project Number: **GP08HAFS.H15B.DG0F1**

Lot Number: **LB04013**

Date Completed: **02/10/2010**



Nisreen Saikaly
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* L B 0 4 0 1 3 *

Case Narrative
ARCADIS U.S., Inc.
Lot Number: LB04013

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The MS/MSD recoveries in batch 27117 and 27307 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

The LCS recovery for Dichlorodifluoromethane was outside method control limits in batch 27307. The LCSD results were within limits. Therefore the associated sample results were reported and no corrective action was required.

The RPD for Acetone and Dichlorodifluoromethane exceeded method control limits in batch 27307; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: LB04013

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	HGL-11B (020210)	Aqueous	02/02/2010 1030	02/04/2010
002	HGL-11C (020210)	Aqueous	02/02/2010 1125	02/04/2010
003	HGL-4B (020210)	Aqueous	02/02/2010 1400	02/04/2010
004	HGL-4C (020210)	Aqueous	02/02/2010 1450	02/04/2010
005	HGL-10B (020210)	Aqueous	02/02/2010 1630	02/04/2010
006	HGL-10C (020210)	Aqueous	02/02/2010 1720	02/04/2010
007	XX-25 (020310)	Aqueous	02/03/2010 0855	02/04/2010
008	XX-26 (1-S) (020310)	Aqueous	02/03/2010 1000	02/04/2010
009	XX-26 (3-D) (020310)	Aqueous	02/03/2010 1105	02/04/2010
010	HGL-5B (020310)	Aqueous	02/03/2010 1405	02/04/2010
011	HGL-5C (020310)	Aqueous	02/03/2010 1455	02/04/2010
012	H15-MW-01B (020310)	Aqueous	02/03/2010 1600	02/04/2010
013	H15-MW-01C (020310)	Aqueous	02/03/2010 1650	02/04/2010
014	DUP-H15 (020210)	Aqueous	02/02/2010 1200	02/04/2010
015	DUP2-H15 (020310)	Aqueous	02/03/2010 1200	02/04/2010
016	Trip Blank	Aqueous	02/04/2010 0900	02/04/2010
017	HGL-8B (020210)	Aqueous	02/02/2010 0930	02/04/2010
018	HGL-8C (020210)	Aqueous	02/02/2010 1030	02/04/2010
019	XX-15 (020210)	Aqueous	02/02/2010 1530	02/04/2010
020	HGL-1B (020210)	Aqueous	02/02/2010 1630	02/04/2010
021	HGL-1C (020210)	Aqueous	02/02/2010 1720	02/04/2010
022	DUP3-H15 (020210)	Aqueous	02/02/2010 1200	02/04/2010
023	XX-18 (020310)	Aqueous	02/03/2010 0855	02/04/2010
024	XX-12 (020310)	Aqueous	02/03/2010 1020	02/04/2010
025	HGL-9B (020310)	Aqueous	02/03/2010 1455	02/04/2010
026	HGL-9C (020310)	Aqueous	02/03/2010 1545	02/04/2010
027	TB-02 (020310)	Aqueous	02/02/2010 0900	02/04/2010
028	HGL-7B (020410)	Aqueous	02/04/2010 0835	02/05/2010
029	HGL-7C (020410)	Aqueous	02/04/2010 0930	02/05/2010
030	HGL-6B (020410)	Aqueous	02/04/2010 1035	02/05/2010
031	HGL-6C (020410)	Aqueous	02/04/2010 1125	02/05/2010
032	XX-21 (020410)	Aqueous	02/04/2010 0835	02/05/2010
033	XX-19 (020410)	Aqueous	02/04/2010 1050	02/05/2010
034	XX-17 (020410)	Aqueous	02/04/2010 1150	02/05/2010
035	H15-MW-02B (020410)	Aqueous	02/04/2010 0930	02/05/2010
036	TB-01 (020410)	Aqueous	02/04/2010 0835	02/05/2010

(36 samples)

Executive Summary
ARCADIS U.S., Inc.
Lot Number: LB04013

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	HGL-11B (020210)	Aqueous	Benzene	8260B	0.12	BJ	ug/L	6
001	HGL-11B (020210)	Aqueous	Tetrachloroethene	8260B	1.4		ug/L	6
001	HGL-11B (020210)	Aqueous	Toluene	8260B	0.39	BJ	ug/L	6
001	HGL-11B (020210)	Aqueous	Trichloroethene	8260B	0.47	J	ug/L	7
001	HGL-11B (020210)	Aqueous	Xylenes (total)	8260B	0.18	BJ	ug/L	7
002	HGL-11C (020210)	Aqueous	Benzene	8260B	0.12	BJ	ug/L	8
002	HGL-11C (020210)	Aqueous	Toluene	8260B	0.34	BJ	ug/L	8
003	HGL-4B (020210)	Aqueous	Benzene	8260B	0.12	BJ	ug/L	10
003	HGL-4B (020210)	Aqueous	Toluene	8260B	0.27	BJ	ug/L	10
004	HGL-4C (020210)	Aqueous	Acetone	8260B	1.9	J	ug/L	12
008	XX-26 (1-S) (020310)	Aqueous	Trichloroethene	8260B	2.9		ug/L	21
009	XX-26 (3-D) (020310)	Aqueous	cis-1,2-Dichloroethene	8260B	2.9		ug/L	22
009	XX-26 (3-D) (020310)	Aqueous	Trichloroethene	8260B	16		ug/L	23
010	HGL-5B (020310)	Aqueous	cis-1,2-Dichloroethene	8260B	0.29	J	ug/L	24
011	HGL-5C (020310)	Aqueous	Acetone	8260B	2.9	J	ug/L	26
012	H15-MW-01B (020310)	Aqueous	cis-1,2-Dichloroethene	8260B	0.21	J	ug/L	28
013	H15-MW-01C (020310)	Aqueous	Benzene	8260B	4.4	J	ug/L	30
013	H15-MW-01C (020310)	Aqueous	trans-1,2-Dichloroethene	8260B	18		ug/L	30
013	H15-MW-01C (020310)	Aqueous	cis-1,2-Dichloroethene	8260B	2200		ug/L	30
013	H15-MW-01C (020310)	Aqueous	Ethylbenzene	8260B	6.8	J	ug/L	30
013	H15-MW-01C (020310)	Aqueous	Isopropylbenzene	8260B	4.7	J	ug/L	30
013	H15-MW-01C (020310)	Aqueous	Trichloroethene	8260B	2800		ug/L	31
017	HGL-8B (020210)	Aqueous	Trichloroethene	8260B	0.12	J	ug/L	39
018	HGL-8C (020210)	Aqueous	cis-1,2-Dichloroethene	8260B	0.70		ug/L	40
018	HGL-8C (020210)	Aqueous	Trichloroethene	8260B	0.40	J	ug/L	41
019	XX-15 (020210)	Aqueous	cis-1,2-Dichloroethene	8260B	0.79		ug/L	42
019	XX-15 (020210)	Aqueous	Trichloroethene	8260B	5.0		ug/L	43
020	HGL-1B (020210)	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	7.4		ug/L	44
022	DUP3-H15 (020210)	Aqueous	Acetone	8260B	2.9	J	ug/L	48
022	DUP3-H15 (020210)	Aqueous	Trichloroethene	8260B	0.46	J	ug/L	49
023	XX-18 (020310)	Aqueous	Acetone	8260B	0.98	J	ug/L	50
023	XX-18 (020310)	Aqueous	cis-1,2-Dichloroethene	8260B	74		ug/L	50
024	XX-12 (020310)	Aqueous	Acetone	8260B	1.1	J	ug/L	52
025	HGL-9B (020310)	Aqueous	Acetone	8260B	1.7	J	ug/L	54
026	HGL-9C (020310)	Aqueous	Acetone	8260B	1.4	J	ug/L	56
026	HGL-9C (020310)	Aqueous	Trichloroethene	8260B	0.26	J	ug/L	57
027	TB-02 (020310)	Aqueous	Acetone	8260B	1.3	J	ug/L	58
028	HGL-7B (020410)	Aqueous	Acetone	8260B	19		ug/L	60
028	HGL-7B (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	1.0		ug/L	60
028	HGL-7B (020410)	Aqueous	Trichloroethene	8260B	40		ug/L	61
029	HGL-7C (020410)	Aqueous	Acetone	8260B	330		ug/L	62
029	HGL-7C (020410)	Aqueous	Benzene	8260B	5.7	J	ug/L	62
029	HGL-7C (020410)	Aqueous	2-Butanone (MEK)	8260B	180	J	ug/L	62
029	HGL-7C (020410)	Aqueous	trans-1,2-Dichloroethene	8260B	26		ug/L	62
029	HGL-7C (020410)	Aqueous	1,1-Dichloroethene	8260B	35		ug/L	62

Executive Summary (Continued)

Lot Number: LB04013

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
029	HGL-7C (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	2500		ug/L	62
029	HGL-7C (020410)	Aqueous	Toluene	8260B	3.4	J	ug/L	62
029	HGL-7C (020410)	Aqueous	Trichloroethene	8260B	16000		ug/L	63
029	HGL-7C (020410)	Aqueous	Vinyl chloride	8260B	6.3	J	ug/L	63
030	HGL-6B (020410)	Aqueous	Acetone	8260B	18		ug/L	64
030	HGL-6B (020410)	Aqueous	Chloroform	8260B	0.25	J	ug/L	64
030	HGL-6B (020410)	Aqueous	1,1-Dichloroethene	8260B	0.18	J	ug/L	64
030	HGL-6B (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	2.6		ug/L	64
030	HGL-6B (020410)	Aqueous	Trichloroethene	8260B	17		ug/L	65
031	HGL-6C (020410)	Aqueous	Acetone	8260B	85		ug/L	66
031	HGL-6C (020410)	Aqueous	trans-1,2-Dichloroethene	8260B	7.2		ug/L	66
031	HGL-6C (020410)	Aqueous	1,1-Dichloroethene	8260B	2.5		ug/L	66
031	HGL-6C (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	180		ug/L	66
031	HGL-6C (020410)	Aqueous	Trichloroethene	8260B	850		ug/L	67
031	HGL-6C (020410)	Aqueous	Vinyl chloride	8260B	0.50	J	ug/L	67
032	XX-21 (020410)	Aqueous	Acetone	8260B	170		ug/L	68
032	XX-21 (020410)	Aqueous	Benzene	8260B	2.1	J	ug/L	68
032	XX-21 (020410)	Aqueous	trans-1,2-Dichloroethene	8260B	10		ug/L	68
032	XX-21 (020410)	Aqueous	1,1-Dichloroethene	8260B	9.8		ug/L	68
032	XX-21 (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	2000		ug/L	68
032	XX-21 (020410)	Aqueous	Toluene	8260B	1.9	J	ug/L	68
032	XX-21 (020410)	Aqueous	Trichloroethene	8260B	230		ug/L	69
032	XX-21 (020410)	Aqueous	Vinyl chloride	8260B	5.7		ug/L	69
033	XX-19 (020410)	Aqueous	Acetone	8260B	18		ug/L	70
033	XX-19 (020410)	Aqueous	1,1-Dichloroethene	8260B	0.37	J	ug/L	70
033	XX-19 (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	28		ug/L	70
033	XX-19 (020410)	Aqueous	Trichloroethene	8260B	5.3		ug/L	71
033	XX-19 (020410)	Aqueous	Vinyl chloride	8260B	0.094	J	ug/L	71
034	XX-17 (020410)	Aqueous	Acetone	8260B	18		ug/L	72
034	XX-17 (020410)	Aqueous	Benzene	8260B	0.35	J	ug/L	72
034	XX-17 (020410)	Aqueous	1,1-Dichloroethene	8260B	0.63		ug/L	72
034	XX-17 (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	3.8		ug/L	72
034	XX-17 (020410)	Aqueous	Trichloroethene	8260B	49		ug/L	73
035	H15-MW-02B (020410)	Aqueous	Acetone	8260B	18		ug/L	74
035	H15-MW-02B (020410)	Aqueous	Chloroform	8260B	1.1		ug/L	74
035	H15-MW-02B (020410)	Aqueous	cis-1,2-Dichloroethene	8260B	11		ug/L	74
035	H15-MW-02B (020410)	Aqueous	Trichloroethene	8260B	68		ug/L	75
036	TB-01 (020410)	Aqueous	Acetone	8260B	17		ug/L	76

(83 detections)

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-001**
Description: **HGL-11B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1030**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 0257	RRH		27091

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.12**	**BJ**	**0.50**	**0.027**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**1.4**		**0.50**	**0.014**	**ug/L**	**1**
Toluene	**108-88-3**	**8260B**	**0.39**	**BJ**	**0.50**	**0.17**	**ug/L**	**1**
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-001**
Description: **HGL-11B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1030**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 0257	RRH		27091

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.47**	**J**	**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**0.18**	**BJ**	**0.50**	**0.17**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-002**
Description: **HGL-11C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1125**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 0319	RRH		27091

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.12**	**BJ**	**0.50**	**0.027**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.34**	**BJ**	**0.50**	**0.17**	**ug/L**	**1**
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-002**
Description: **HGL-11C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1125**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 0319	RRH		27091

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-003**
Description: **HGL-4B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1400**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 0342	RRH		27091

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.12**	**BJ**	**0.50**	**0.027**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.27**	**BJ**	**0.50**	**0.17**	**ug/L**	**1**
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-003**
Description: **HGL-4B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1400**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 0342	RRH		27091

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **LB04013-004**

Description: **HGL-4C (020210)** Matrix: **Aqueous**

Date Sampled: **02/02/2010 1450**

Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1428	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.9**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-004**
Description: **HGL-4C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1450**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1428	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-005**
Description: **HGL-10B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1630**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1451	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-005**
Description: **HGL-10B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1630**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1451	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-006**
Description: **HGL-10C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1720**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1515	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-006**
Description: **HGL-10C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1720**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1515	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-007**
Description: **XX-25 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 0855**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1538	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-007**
Description: **XX-25 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 0855**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1538	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-008**
Description: **XX-26 (1-S) (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1000**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1601	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-008**
Description: **XX-26 (1-S) (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1000**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1601	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**2.9**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-009**
Description: **XX-26 (3-D) (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1105**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1624	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.9**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-009**
Description: **XX-26 (3-D) (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1105**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1624	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**16**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-010**
Description: **HGL-5B (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1405**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1647	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.29**	**J**	**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-010**
Description: **HGL-5B (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1405**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1647	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **LB04013-011**

Description: **HGL-5C (020310)** Matrix: **Aqueous**

Date Sampled: **02/03/2010 1455**

Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1710	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.9**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-011**
Description: **HGL-5C (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1455**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1710	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-012**
Description: **H15-MW-01B (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1600**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1733	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.21**	**J**	**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-012**
Description: **H15-MW-01B (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1600**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1733	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-013**
Description: **H15-MW-01C (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1650**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	02/06/2010 2059	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		200	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**4.4**	**J**	**10**	**0.54**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		10	3.4	ug/L	1
Bromoform	75-25-2	8260B	ND		10	0.20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10	4.1	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	41	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		10	1.9	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		10	1.7	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		10	3.4	ug/L	1
Chloroethane	75-00-3	8260B	ND		10	3.4	ug/L	1
Chloroform	67-66-3	8260B	ND		10	3.4	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		10	3.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		10	6.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		10	1.4	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		10	3.4	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		10	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		10	3.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		10	3.4	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		10	3.4	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		10	1.4	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		10	1.1	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		10	0.47	ug/L	1
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**18**		**10**	**1.6**	**ug/L**	**1**
1,1-Dichloroethene	75-35-4	8260B	ND		10	1.9	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2200**		**10**	**1.7**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		10	1.6	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		10	3.6	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		10	1.8	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**6.8**	**J**	**10**	**3.4**	**ug/L**	**1**
2-Hexanone	591-78-6	8260B	ND		200	5.5	ug/L	1
Isopropylbenzene	**98-82-8**	**8260B**	**4.7**	**J**	**10**	**0.58**	**ug/L**	**1**
Methyl acetate	79-20-9	8260B	ND		20	6.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		10	0.38	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	6.2	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		10	3.4	ug/L	1
Styrene	100-42-5	8260B	ND		10	0.30	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		10	0.26	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		10	0.29	ug/L	1
Toluene	108-88-3	8260B	ND		10	3.4	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		10	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		10	3.4	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		10	0.58	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		10	0.62	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-013**
Description: **H15-MW-01C (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1650**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	02/06/2010 2059	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**2800**		**10**	**0.49**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		10	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	1.3	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		10	3.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-014**
Description: **DUP-H15 (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1200**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1756	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-014**
Description: **DUP-H15 (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1200**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1756	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-015**
Description: **DUP2-H15 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1200**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1818	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-015**
Description: **DUP2-H15 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1200**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1818	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **LB04013-016**

Description: **Trip Blank** Matrix: **Aqueous**

Date Sampled: **02/04/2010 0900**

Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1841	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-016**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0900**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1841	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-017**
Description: **HGL-8B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 0930**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1904	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-017**
Description: **HGL-8B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 0930**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1904	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.12**	**J**	**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-018**
Description: **HGL-8C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1030**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1927	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.70**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-018**
Description: **HGL-8C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1030**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1927	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.40**	**J**	**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-019**
Description: **XX-15 (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1530**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1950	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.79**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-019**
Description: **XX-15 (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1530**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 1950	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**5.0**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-020**
Description: **HGL-1B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1630**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 2013	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**7.4**		**0.50**	**0.019**	**ug/L**	**1**
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-020**
Description: **HGL-1B (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1630**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2010 2013	RRH		27117

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-021**
Description: **HGL-1C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1720**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0008	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-021**
Description: **HGL-1C (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1720**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0008	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-022**
Description: **DUP3-H15 (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1200**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0030	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.9**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-022**
Description: **DUP3-H15 (020210)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 1200**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0030	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.46**	**J**	**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-023**
Description: **XX-18 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 0855**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0052	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**0.98**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**74**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-023**
Description: **XX-18 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 0855**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0052	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-024**
Description: **XX-12 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1020**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0113	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.1**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-024**
Description: **XX-12 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1020**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0113	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-025**
Description: **HGL-9B (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1455**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0134	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.7**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-025**
Description: **HGL-9B (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1455**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0134	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-026**
Description: **HGL-9C (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1545**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0156	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.4**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-026**
Description: **HGL-9C (020310)**
Matrix: **Aqueous**
Date Sampled: **02/03/2010 1545**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0156	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.26**	**J**	**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-027**
Description: **TB-02 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 0900**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0218	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.3**	**J**	**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-027**
Description: **TB-02 (020310)**
Matrix: **Aqueous**
Date Sampled: **02/02/2010 0900**
Date Received: **02/04/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/07/2010 0218	LBS		27086

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-028**
Description: **HGL-7B (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0835**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2038	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**19**		**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.0**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-028**
Description: **HGL-7B (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0835**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2038	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**40**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-029**
Description: **HGL-7C (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0930**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	02/09/2010 2228	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**330**		**200**	**1.2**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**5.7**	**J**	**10**	**0.54**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		10	3.4	ug/L	1
Bromoform	75-25-2	8260B	ND		10	0.20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10	4.1	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**180**	**J**	**200**	**41**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		10	1.9	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		10	1.7	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		10	3.4	ug/L	1
Chloroethane	75-00-3	8260B	ND		10	3.4	ug/L	1
Chloroform	67-66-3	8260B	ND		10	3.4	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		10	3.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		10	6.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		10	1.4	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		10	3.4	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		10	1.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		10	3.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		10	3.4	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		10	3.4	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		10	1.4	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		10	1.1	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		10	0.47	ug/L	1
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**26**		**10**	**1.6**	**ug/L**	**1**
1,1-Dichloroethene	**75-35-4**	**8260B**	**35**		**10**	**1.9**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2500**		**10**	**1.7**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		10	1.6	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		10	3.6	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		10	1.8	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		10	3.4	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	5.5	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		10	0.58	ug/L	1
Methyl acetate	79-20-9	8260B	ND		20	6.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		10	0.38	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	6.2	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		10	3.4	ug/L	1
Styrene	100-42-5	8260B	ND		10	0.30	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		10	0.26	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		10	0.29	ug/L	1
Toluene	**108-88-3**	**8260B**	**3.4**	**J**	**10**	**3.4**	**ug/L**	**1**
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		10	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		10	3.4	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		10	0.58	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		10	0.62	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-029**
Description: **HGL-7C (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0930**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	02/09/2010 2228	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**16000**		**10**	**0.49**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		10	1.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**6.3**	**J**	**10**	**1.3**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		10	3.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **LB04013-030**

Description: **HGL-6B (020410)** Matrix: **Aqueous**

Date Sampled: **02/04/2010 1035**

Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2016	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**		**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.25**	**J**	**0.50**	**0.17**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.18**	**J**	**0.50**	**0.094**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.6**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-030**
Description: **HGL-6B (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 1035**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2016	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**17**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-031**
Description: **HGL-6C (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 1125**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	02/09/2010 2250	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**85**		**50**	**0.31**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		2.5	0.14	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.85	ug/L	1
Bromoform	75-25-2	8260B	ND		2.5	0.051	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	1.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		2.5	0.49	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.43	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.5	0.85	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.5	0.85	ug/L	1
Chloroform	67-66-3	8260B	ND		2.5	0.85	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.87	ug/L	1
Cyclohexane	110-82-7	8260B	ND		2.5	1.5	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.85	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.31	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.85	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.85	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.35	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.5	0.27	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.12	ug/L	1
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**7.2**		**2.5**	**0.40**	**ug/L**	**1**
1,1-Dichloroethene	**75-35-4**	**8260B**	**2.5**		**2.5**	**0.47**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**180**		**2.5**	**0.44**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.41	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.90	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.45	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		2.5	0.85	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	1.4	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		2.5	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	1.5	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.5	0.095	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.6	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		2.5	0.85	ug/L	1
Styrene	100-42-5	8260B	ND		2.5	0.075	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.065	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		2.5	0.072	ug/L	1
Toluene	108-88-3	8260B	ND		2.5	0.85	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.85	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.14	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.16	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-031**
Description: **HGL-6C (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 1125**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	02/09/2010 2250	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**850**		**2.5**	**0.12**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.25	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.50**	**J**	**2.5**	**0.33**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		2.5	0.85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-032**
Description: **XX-21 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0835**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	02/09/2010 2356	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**170**		**100**	**0.61**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**2.1**	**J**	**5.0**	**0.27**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		100	20	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.97	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.85	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	1.7	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	1.7	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	3.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.69	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.61	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.71	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.54	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**10**		**5.0**	**0.79**	**ug/L**	**1**
1,1-Dichloroethene	**75-35-4**	**8260B**	**9.8**		**5.0**	**0.94**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2000**		**5.0**	**0.87**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.81	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	1.8	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.90	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		100	2.7	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.29	ug/L	1
Methyl acetate	79-20-9	8260B	ND		10	3.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.19	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	3.1	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		50	9.5	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.15	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.14	ug/L	1
Toluene	**108-88-3**	**8260B**	**1.9**	**J**	**5.0**	**1.7**	**ug/L**	**1**
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	3.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.29	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.31	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-032**
Description: **XX-21 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0835**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	02/09/2010 2356	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**230**		**5.0**	**0.24**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.51	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**5.7**		**5.0**	**0.65**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **LB04013-033**

Description: **XX-19 (020410)** Matrix: **Aqueous**

Date Sampled: **02/04/2010 1050**

Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2100	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**		**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.37**	**J**	**0.50**	**0.094**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**28**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-033**
Description: **XX-19 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 1050**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2100	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**5.3**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.094**	**J**	**0.50**	**0.065**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-034**
Description: **XX-17 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 1150**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2122	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**		**10**	**0.061**	**ug/L**	**1**
Benzene	**71-43-2**	**8260B**	**0.35**	**J**	**0.50**	**0.027**	**ug/L**	**1**
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.63**		**0.50**	**0.094**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**3.8**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-034**
Description: **XX-17 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 1150**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2122	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**49**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-035**
Description: **H15-MW-02B (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0930**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2144	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**18**		**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	**67-66-3**	**8260B**	**1.1**		**0.50**	**0.17**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**11**		**0.50**	**0.087**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-035**
Description: **H15-MW-02B (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0930**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2144	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**68**		**0.50**	**0.024**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-036**
Description: **TB-01 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0835**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2206	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**17**		**10**	**0.061**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **LB04013-036**
Description: **TB-01 (020410)**
Matrix: **Aqueous**
Date Sampled: **02/04/2010 0835**
Date Received: **02/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/09/2010 2206	DLB		27307

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27086-001
Batch: 27086
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/06/2010 2347
Benzene	ND		1	0.50	0.027	ug/L	02/06/2010 2347
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Bromoform	ND		1	0.50	0.010	ug/L	02/06/2010 2347
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/06/2010 2347
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/06/2010 2347
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/06/2010 2347
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/06/2010 2347
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Chloroethane	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Chloroform	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Cyclohexane	ND		1	0.50	0.30	ug/L	02/06/2010 2347
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/06/2010 2347
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/06/2010 2347
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/06/2010 2347
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/06/2010 2347
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/06/2010 2347
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/06/2010 2347
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/06/2010 2347
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/06/2010 2347
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/06/2010 2347
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/06/2010 2347
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/06/2010 2347
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/06/2010 2347
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
2-Hexanone	ND		1	10	0.27	ug/L	02/06/2010 2347
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/06/2010 2347
Methyl acetate	ND		1	1.0	0.30	ug/L	02/06/2010 2347
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/06/2010 2347
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/06/2010 2347
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/06/2010 2347
Methylene chloride	ND		1	0.50	0.17	ug/L	02/06/2010 2347
Styrene	ND		1	0.50	0.015	ug/L	02/06/2010 2347
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/06/2010 2347
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/06/2010 2347
Toluene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/06/2010 2347
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 2347
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/06/2010 2347
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/06/2010 2347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27086-001
Batch: 27086
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/06/2010 2347
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/06/2010 2347
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/06/2010 2347
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/06/2010 2347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27086-002
Batch: 27086
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	107	46-153	02/06/2010 2221
Benzene	50	57		1	115	70-130	02/06/2010 2221
Bromodichloromethane	50	51		1	101	70-130	02/06/2010 2221
Bromoform	50	61		1	123	70-130	02/06/2010 2221
Bromomethane (Methyl bromide)	50	61		1	123	60-140	02/06/2010 2221
2-Butanone (MEK)	100	110		1	108	60-140	02/06/2010 2221
Carbon disulfide	50	60		1	119	60-140	02/06/2010 2221
Carbon tetrachloride	50	51		1	101	70-130	02/06/2010 2221
Chlorobenzene	50	56		1	112	70-130	02/06/2010 2221
Chloroethane	50	55		1	110	42-163	02/06/2010 2221
Chloroform	50	48		1	95	70-130	02/06/2010 2221
Chloromethane (Methyl chloride)	50	62		1	124	20-158	02/06/2010 2221
Cyclohexane	50	58		1	115	70-130	02/06/2010 2221
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	107	70-130	02/06/2010 2221
Dibromochloromethane	50	54		1	109	70-130	02/06/2010 2221
1,2-Dibromoethane (EDB)	50	49		1	99	70-130	02/06/2010 2221
1,4-Dichlorobenzene	50	57		1	113	70-130	02/06/2010 2221
1,3-Dichlorobenzene	50	57		1	114	70-130	02/06/2010 2221
1,2-Dichlorobenzene	50	57		1	114	70-130	02/06/2010 2221
Dichlorodifluoromethane	50	57		1	113	60-140	02/06/2010 2221
1,2-Dichloroethane	50	57		1	115	70-130	02/06/2010 2221
1,1-Dichloroethane	50	57		1	114	70-130	02/06/2010 2221
cis-1,2-Dichloroethene	50	56		1	113	70-130	02/06/2010 2221
trans-1,2-Dichloroethene	50	58		1	115	70-130	02/06/2010 2221
1,1-Dichloroethene	50	57		1	114	70-130	02/06/2010 2221
1,2-Dichloropropane	50	48		1	97	70-130	02/06/2010 2221
trans-1,3-Dichloropropene	50	63		1	126	70-130	02/06/2010 2221
cis-1,3-Dichloropropene	50	60		1	120	70-130	02/06/2010 2221
Ethylbenzene	50	56		1	112	70-130	02/06/2010 2221
2-Hexanone	100	100		1	100	60-140	02/06/2010 2221
Isopropylbenzene	50	59		1	118	70-130	02/06/2010 2221
Methyl acetate	50	60		1	119	15-128	02/06/2010 2221
Methyl tertiary butyl ether (MTBE)	50	59		1	117	70-130	02/06/2010 2221
4-Methyl-2-pentanone	100	110		1	106	60-140	02/06/2010 2221
Methylcyclohexane	50	50		1	99	70-130	02/06/2010 2221
Methylene chloride	50	57		1	113	70-130	02/06/2010 2221
Styrene	50	50		1	100	70-130	02/06/2010 2221
1,1,2,2-Tetrachloroethane	50	51		1	101	70-130	02/06/2010 2221
Tetrachloroethene	50	48		1	96	70-130	02/06/2010 2221
Toluene	50	49		1	98	70-130	02/06/2010 2221
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	99	70-130	02/06/2010 2221
1,2,4-Trichlorobenzene	50	63		1	126	70-130	02/06/2010 2221
1,1,2-Trichloroethane	50	48		1	97	70-130	02/06/2010 2221
1,1,1-Trichloroethane	50	50		1	100	70-130	02/06/2010 2221

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27086-002
Batch: 27086
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	95	70-130	02/06/2010 2221
Trichlorofluoromethane	50	50		1	100	60-140	02/06/2010 2221
Vinyl chloride	50	59		1	118	60-140	02/06/2010 2221
Xylenes (total)	100	110		1	107	70-130	02/06/2010 2221

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27086-003
Batch: 27086
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	98		1	98	8.8	46-153	20	02/06/2010 2243
Benzene	50	56		1	113	1.9	70-130	20	02/06/2010 2243
Bromodichloromethane	50	49		1	98	2.7	70-130	20	02/06/2010 2243
Bromoform	50	57		1	114	7.4	70-130	20	02/06/2010 2243
Bromomethane (Methyl bromide)	50	57		1	114	7.4	60-140	20	02/06/2010 2243
2-Butanone (MEK)	100	100		1	102	5.3	60-140	20	02/06/2010 2243
Carbon disulfide	50	55		1	110	8.2	60-140	20	02/06/2010 2243
Carbon tetrachloride	50	48		1	97	4.7	70-130	20	02/06/2010 2243
Chlorobenzene	50	56		1	111	0.81	70-130	20	02/06/2010 2243
Chloroethane	50	51		1	102	6.9	42-163	20	02/06/2010 2243
Chloroform	50	45		1	90	5.2	70-130	20	02/06/2010 2243
Chloromethane (Methyl chloride)	50	54		1	108	14	20-158	20	02/06/2010 2243
Cyclohexane	50	53		1	107	7.7	70-130	20	02/06/2010 2243
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	101	5.6	70-130	20	02/06/2010 2243
Dibromochloromethane	50	53		1	106	3.0	70-130	20	02/06/2010 2243
1,2-Dibromoethane (EDB)	50	50		1	99	0.14	70-130	20	02/06/2010 2243
1,4-Dichlorobenzene	50	56		1	113	0.57	70-130	20	02/06/2010 2243
1,3-Dichlorobenzene	50	56		1	112	1.9	70-130	20	02/06/2010 2243
1,2-Dichlorobenzene	50	56		1	113	1.1	70-130	20	02/06/2010 2243
Dichlorodifluoromethane	50	53		1	106	6.5	60-140	20	02/06/2010 2243
1,2-Dichloroethane	50	54		1	108	6.0	70-130	20	02/06/2010 2243
1,1-Dichloroethane	50	53		1	107	6.5	70-130	20	02/06/2010 2243
cis-1,2-Dichloroethene	50	54		1	107	5.3	70-130	20	02/06/2010 2243
trans-1,2-Dichloroethene	50	54		1	108	6.5	70-130	20	02/06/2010 2243
1,1-Dichloroethene	50	55		1	109	3.9	70-130	20	02/06/2010 2243
1,2-Dichloropropane	50	48		1	95	1.2	70-130	20	02/06/2010 2243
trans-1,3-Dichloropropene	50	59		1	119	6.2	70-130	20	02/06/2010 2243
cis-1,3-Dichloropropene	50	57		1	114	5.0	70-130	20	02/06/2010 2243
Ethylbenzene	50	56		1	112	0.24	70-130	20	02/06/2010 2243
2-Hexanone	100	96		1	96	4.3	60-140	20	02/06/2010 2243
Isopropylbenzene	50	58		1	115	2.8	70-130	20	02/06/2010 2243
Methyl acetate	50	55		1	109	8.8	15-128	20	02/06/2010 2243
Methyl tertiary butyl ether (MTBE)	50	54		1	108	8.3	70-130	20	02/06/2010 2243
4-Methyl-2-pentanone	100	100		1	101	4.7	60-140	20	02/06/2010 2243
Methylcyclohexane	50	48		1	97	2.7	70-130	20	02/06/2010 2243
Methylene chloride	50	52		1	104	9.1	70-130	20	02/06/2010 2243
Styrene	50	50		1	101	0.83	70-130	20	02/06/2010 2243
1,1,2,2-Tetrachloroethane	50	48		1	95	5.9	70-130	20	02/06/2010 2243
Tetrachloroethene	50	48		1	96	0.075	70-130	20	02/06/2010 2243
Toluene	50	49		1	97	0.64	70-130	20	02/06/2010 2243
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	93	6.4	70-130	20	02/06/2010 2243
1,2,4-Trichlorobenzene	50	61		1	121	4.0	70-130	20	02/06/2010 2243
1,1,2-Trichloroethane	50	48		1	97	0.14	70-130	20	02/06/2010 2243
1,1,1-Trichloroethane	50	48		1	96	4.2	70-130	20	02/06/2010 2243

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27086-003
Batch: 27086
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	48		1	95	0.29	70-130	20	02/06/2010 2243
Trichlorofluoromethane	50	47		1	93	6.8	60-140	20	02/06/2010 2243
Vinyl chloride	50	54		1	108	8.1	60-140	20	02/06/2010 2243
Xylenes (total)	100	110		1	107	0.060	70-130	20	02/06/2010 2243

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27091-001
Batch: 27091
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/06/2010 0211
Benzene	**0.12**	**J**	**1**	**0.50**	**0.027**	**ug/L**	**02/06/2010 0211**
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Bromoform	ND		1	0.50	0.010	ug/L	02/06/2010 0211
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/06/2010 0211
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/06/2010 0211
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/06/2010 0211
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/06/2010 0211
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Chloroethane	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Chloroform	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Cyclohexane	ND		1	0.50	0.30	ug/L	02/06/2010 0211
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/06/2010 0211
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/06/2010 0211
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/06/2010 0211
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 0211
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 0211
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/06/2010 0211
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/06/2010 0211
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/06/2010 0211
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/06/2010 0211
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/06/2010 0211
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/06/2010 0211
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/06/2010 0211
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/06/2010 0211
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/06/2010 0211
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/06/2010 0211
2-Hexanone	ND		1	10	0.27	ug/L	02/06/2010 0211
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/06/2010 0211
Methyl acetate	ND		1	1.0	0.30	ug/L	02/06/2010 0211
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/06/2010 0211
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/06/2010 0211
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/06/2010 0211
Methylene chloride	ND		1	0.50	0.17	ug/L	02/06/2010 0211
Styrene	ND		1	0.50	0.015	ug/L	02/06/2010 0211
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/06/2010 0211
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/06/2010 0211
Toluene	**0.42**	**J**	**1**	**0.50**	**0.17**	**ug/L**	**02/06/2010 0211**
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/06/2010 0211
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 0211
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/06/2010 0211
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/06/2010 0211

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27091-001
Batch: 27091
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/06/2010 0211
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/06/2010 0211
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/06/2010 0211
Xylenes (total)	**0.20**	**J**	**1**	**0.50**	**0.17**	**ug/L**	**02/06/2010 0211**

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27091-002
Batch: 27091
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	99		1	99	46-153	02/06/2010 0018
Benzene	50	52		1	104	70-130	02/06/2010 0018
Bromodichloromethane	50	54		1	108	70-130	02/06/2010 0018
Bromoform	50	50		1	101	70-130	02/06/2010 0018
Bromomethane (Methyl bromide)	50	55		1	110	60-140	02/06/2010 0018
2-Butanone (MEK)	100	110		1	110	60-140	02/06/2010 0018
Carbon disulfide	50	61		1	121	60-140	02/06/2010 0018
Carbon tetrachloride	50	56		1	113	70-130	02/06/2010 0018
Chlorobenzene	50	54		1	109	70-130	02/06/2010 0018
Chloroethane	50	57		1	115	42-163	02/06/2010 0018
Chloroform	50	54		1	108	70-130	02/06/2010 0018
Chloromethane (Methyl chloride)	50	49		1	99	20-158	02/06/2010 0018
Cyclohexane	50	51		1	103	70-130	02/06/2010 0018
1,2-Dibromo-3-chloropropane (DBCP)	50	57		1	114	70-130	02/06/2010 0018
Dibromochloromethane	50	57		1	115	70-130	02/06/2010 0018
1,2-Dibromoethane (EDB)	50	55		1	111	70-130	02/06/2010 0018
1,4-Dichlorobenzene	50	53		1	106	70-130	02/06/2010 0018
1,2-Dichlorobenzene	50	54		1	107	70-130	02/06/2010 0018
1,3-Dichlorobenzene	50	53		1	106	70-130	02/06/2010 0018
Dichlorodifluoromethane	50	57		1	114	60-140	02/06/2010 0018
1,2-Dichloroethane	50	52		1	104	70-130	02/06/2010 0018
1,1-Dichloroethane	50	53		1	105	70-130	02/06/2010 0018
cis-1,2-Dichloroethene	50	55		1	110	70-130	02/06/2010 0018
1,1-Dichloroethene	50	49		1	98	70-130	02/06/2010 0018
trans-1,2-Dichloroethene	50	52		1	104	70-130	02/06/2010 0018
1,2-Dichloropropane	50	53		1	105	70-130	02/06/2010 0018
cis-1,3-Dichloropropene	50	54		1	109	70-130	02/06/2010 0018
trans-1,3-Dichloropropene	50	55		1	111	70-130	02/06/2010 0018
Ethylbenzene	50	56		1	112	70-130	02/06/2010 0018
2-Hexanone	100	110		1	108	60-140	02/06/2010 0018
Isopropylbenzene	50	56		1	112	70-130	02/06/2010 0018
Methyl acetate	50	50		1	101	15-128	02/06/2010 0018
Methyl tertiary butyl ether (MTBE)	50	53		1	107	70-130	02/06/2010 0018
4-Methyl-2-pentanone	100	110		1	107	60-140	02/06/2010 0018
Methylcyclohexane	50	59		1	118	70-130	02/06/2010 0018
Methylene chloride	50	54		1	108	70-130	02/06/2010 0018
Styrene	50	57		1	115	70-130	02/06/2010 0018
1,1,2,2-Tetrachloroethane	50	55		1	110	70-130	02/06/2010 0018
Tetrachloroethene	50	57		1	113	70-130	02/06/2010 0018
Toluene	50	54		1	108	70-130	02/06/2010 0018
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	70-130	02/06/2010 0018
1,2,4-Trichlorobenzene	50	53		1	106	70-130	02/06/2010 0018
1,1,1-Trichloroethane	50	55		1	109	70-130	02/06/2010 0018
1,1,2-Trichloroethane	50	55		1	109	70-130	02/06/2010 0018

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27091-002
Batch: 27091
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	107	70-130	02/06/2010 0018
Trichlorofluoromethane	50	56		1	112	60-140	02/06/2010 0018
Vinyl chloride	50	49		1	97	60-140	02/06/2010 0018
Xylenes (total)	100	110		1	110	70-130	02/06/2010 0018

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27091-003
Batch: 27091
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	94		1	94	4.9	46-153	20	02/06/2010 0041
Benzene	50	51		1	102	1.3	70-130	20	02/06/2010 0041
Bromodichloromethane	50	54		1	108	0.00	70-130	20	02/06/2010 0041
Bromoform	50	49		1	98	2.7	70-130	20	02/06/2010 0041
Bromomethane (Methyl bromide)	50	56		1	112	1.5	60-140	20	02/06/2010 0041
2-Butanone (MEK)	100	110		1	107	2.8	60-140	20	02/06/2010 0041
Carbon disulfide	50	59		1	119	2.1	60-140	20	02/06/2010 0041
Carbon tetrachloride	50	57		1	114	1.3	70-130	20	02/06/2010 0041
Chlorobenzene	50	52		1	103	5.2	70-130	20	02/06/2010 0041
Chloroethane	50	56		1	113	1.4	42-163	20	02/06/2010 0041
Chloroform	50	53		1	106	1.9	70-130	20	02/06/2010 0041
Chloromethane (Methyl chloride)	50	50		1	100	1.3	20-158	20	02/06/2010 0041
Cyclohexane	50	52		1	104	1.3	70-130	20	02/06/2010 0041
1,2-Dibromo-3-chloropropane (DBCP)	50	57		1	114	0.44	70-130	20	02/06/2010 0041
Dibromochloromethane	50	55		1	111	3.4	70-130	20	02/06/2010 0041
1,2-Dibromoethane (EDB)	50	54		1	109	1.9	70-130	20	02/06/2010 0041
1,4-Dichlorobenzene	50	51		1	103	2.9	70-130	20	02/06/2010 0041
1,2-Dichlorobenzene	50	52		1	104	2.9	70-130	20	02/06/2010 0041
1,3-Dichlorobenzene	50	52		1	105	1.8	70-130	20	02/06/2010 0041
Dichlorodifluoromethane	50	59		1	118	3.4	60-140	20	02/06/2010 0041
1,2-Dichloroethane	50	52		1	104	0.017	70-130	20	02/06/2010 0041
1,1-Dichloroethane	50	51		1	103	2.6	70-130	20	02/06/2010 0041
cis-1,2-Dichloroethene	50	52		1	105	4.6	70-130	20	02/06/2010 0041
1,1-Dichloroethene	50	47		1	94	3.9	70-130	20	02/06/2010 0041
trans-1,2-Dichloroethene	50	50		1	100	4.3	70-130	20	02/06/2010 0041
1,2-Dichloropropane	50	52		1	103	1.8	70-130	20	02/06/2010 0041
cis-1,3-Dichloropropene	50	54		1	108	1.2	70-130	20	02/06/2010 0041
trans-1,3-Dichloropropene	50	52		1	105	5.4	70-130	20	02/06/2010 0041
Ethylbenzene	50	54		1	107	4.7	70-130	20	02/06/2010 0041
2-Hexanone	100	100		1	102	5.5	60-140	20	02/06/2010 0041
Isopropylbenzene	50	56		1	111	1.0	70-130	20	02/06/2010 0041
Methyl acetate	50	49		1	98	3.3	15-128	20	02/06/2010 0041
Methyl tertiary butyl ether (MTBE)	50	53		1	105	1.4	70-130	20	02/06/2010 0041
4-Methyl-2-pentanone	100	110		1	107	0.27	60-140	20	02/06/2010 0041
Methylcyclohexane	50	60		1	121	2.5	70-130	20	02/06/2010 0041
Methylene chloride	50	52		1	104	4.0	70-130	20	02/06/2010 0041
Styrene	50	56		1	112	2.8	70-130	20	02/06/2010 0041
1,1,2,2-Tetrachloroethane	50	54		1	108	1.5	70-130	20	02/06/2010 0041
Tetrachloroethene	50	55		1	109	3.3	70-130	20	02/06/2010 0041
Toluene	50	53		1	106	2.2	70-130	20	02/06/2010 0041
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	60		1	119	0.83	70-130	20	02/06/2010 0041
1,2,4-Trichlorobenzene	50	53		1	105	0.78	70-130	20	02/06/2010 0041
1,1,1-Trichloroethane	50	55		1	111	1.1	70-130	20	02/06/2010 0041
1,1,2-Trichloroethane	50	53		1	105	3.9	70-130	20	02/06/2010 0041

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27091-003
Batch: 27091
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	53		1	106	0.71	70-130	20	02/06/2010 0041
Trichlorofluoromethane	50	56		1	113	0.95	60-140	20	02/06/2010 0041
Vinyl chloride	50	49		1	99	1.7	60-140	20	02/06/2010 0041
Xylenes (total)	100	110		1	105	4.4	70-130	20	02/06/2010 0041

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27117-001
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/06/2010 1300
Benzene	ND		1	0.50	0.027	ug/L	02/06/2010 1300
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Bromoform	ND		1	0.50	0.010	ug/L	02/06/2010 1300
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/06/2010 1300
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/06/2010 1300
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/06/2010 1300
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/06/2010 1300
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Chloroethane	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Chloroform	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Cyclohexane	ND		1	0.50	0.30	ug/L	02/06/2010 1300
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/06/2010 1300
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/06/2010 1300
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/06/2010 1300
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/06/2010 1300
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/06/2010 1300
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/06/2010 1300
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/06/2010 1300
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/06/2010 1300
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/06/2010 1300
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/06/2010 1300
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/06/2010 1300
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/06/2010 1300
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
2-Hexanone	ND		1	10	0.27	ug/L	02/06/2010 1300
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/06/2010 1300
Methyl acetate	ND		1	1.0	0.30	ug/L	02/06/2010 1300
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/06/2010 1300
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/06/2010 1300
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/06/2010 1300
Methylene chloride	ND		1	0.50	0.17	ug/L	02/06/2010 1300
Styrene	ND		1	0.50	0.015	ug/L	02/06/2010 1300
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/06/2010 1300
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/06/2010 1300
Toluene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/06/2010 1300
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/06/2010 1300
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/06/2010 1300
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/06/2010 1300

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27117-001
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/06/2010 1300
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/06/2010 1300
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/06/2010 1300
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/06/2010 1300

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27117-002
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	90		1	90	46-153	02/06/2010 1129
Benzene	50	42		1	83	70-130	02/06/2010 1129
Bromodichloromethane	50	45		1	89	70-130	02/06/2010 1129
Bromoform	50	42		1	85	70-130	02/06/2010 1129
Bromomethane (Methyl bromide)	50	47		1	94	60-140	02/06/2010 1129
2-Butanone (MEK)	100	99		1	99	60-140	02/06/2010 1129
Carbon disulfide	50	47		1	95	60-140	02/06/2010 1129
Carbon tetrachloride	50	47		1	94	70-130	02/06/2010 1129
Chlorobenzene	50	44		1	88	70-130	02/06/2010 1129
Chloroethane	50	48		1	95	42-163	02/06/2010 1129
Chloroform	50	44		1	88	70-130	02/06/2010 1129
Chloromethane (Methyl chloride)	50	41		1	82	20-158	02/06/2010 1129
Cyclohexane	50	43		1	85	70-130	02/06/2010 1129
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	02/06/2010 1129
Dibromochloromethane	50	48		1	96	70-130	02/06/2010 1129
1,2-Dibromoethane (EDB)	50	47		1	94	70-130	02/06/2010 1129
1,4-Dichlorobenzene	50	43		1	86	70-130	02/06/2010 1129
1,2-Dichlorobenzene	50	44		1	87	70-130	02/06/2010 1129
1,3-Dichlorobenzene	50	43		1	85	70-130	02/06/2010 1129
Dichlorodifluoromethane	50	44		1	88	60-140	02/06/2010 1129
1,1-Dichloroethane	50	43		1	86	70-130	02/06/2010 1129
1,2-Dichloroethane	50	44		1	87	70-130	02/06/2010 1129
trans-1,2-Dichloroethene	50	41		1	83	70-130	02/06/2010 1129
1,1-Dichloroethene	50	39		1	77	70-130	02/06/2010 1129
cis-1,2-Dichloroethene	50	43		1	87	70-130	02/06/2010 1129
1,2-Dichloropropane	50	42		1	85	70-130	02/06/2010 1129
cis-1,3-Dichloropropene	50	44		1	88	70-130	02/06/2010 1129
trans-1,3-Dichloropropene	50	45		1	89	70-130	02/06/2010 1129
Ethylbenzene	50	46		1	93	70-130	02/06/2010 1129
2-Hexanone	100	100		1	103	60-140	02/06/2010 1129
Isopropylbenzene	50	46		1	92	70-130	02/06/2010 1129
Methyl acetate	50	44		1	88	15-128	02/06/2010 1129
Methyl tertiary butyl ether (MTBE)	50	45		1	90	70-130	02/06/2010 1129
4-Methyl-2-pentanone	100	100		1	102	60-140	02/06/2010 1129
Methylcyclohexane	50	46		1	93	70-130	02/06/2010 1129
Methylene chloride	50	42		1	85	70-130	02/06/2010 1129
Styrene	50	47		1	94	70-130	02/06/2010 1129
1,1,2,2-Tetrachloroethane	50	47		1	94	70-130	02/06/2010 1129
Tetrachloroethene	50	46		1	92	70-130	02/06/2010 1129
Toluene	50	43		1	87	70-130	02/06/2010 1129
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	70-130	02/06/2010 1129
1,2,4-Trichlorobenzene	50	43		1	87	70-130	02/06/2010 1129
1,1,1-Trichloroethane	50	45		1	90	70-130	02/06/2010 1129
1,1,2-Trichloroethane	50	45		1	91	70-130	02/06/2010 1129

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27117-002
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	43		1	87	70-130	02/06/2010 1129
Trichlorofluoromethane	50	49		1	99	60-140	02/06/2010 1129
Vinyl chloride	50	41		1	82	60-140	02/06/2010 1129
Xylenes (total)	100	90		1	90	70-130	02/06/2010 1129

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27117-003
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	88		1	88	2.4	46-153	20	02/06/2010 1151
Benzene	50	45		1	90	8.2	70-130	20	02/06/2010 1151
Bromodichloromethane	50	48		1	95	6.8	70-130	20	02/06/2010 1151
Bromoform	50	43		1	87	2.3	70-130	20	02/06/2010 1151
Bromomethane (Methyl bromide)	50	52		1	103	9.5	60-140	20	02/06/2010 1151
2-Butanone (MEK)	100	100		1	103	4.4	60-140	20	02/06/2010 1151
Carbon disulfide	50	52		1	104	9.5	60-140	20	02/06/2010 1151
Carbon tetrachloride	50	52		1	103	9.0	70-130	20	02/06/2010 1151
Chlorobenzene	50	46		1	92	3.9	70-130	20	02/06/2010 1151
Chloroethane	50	54		1	107	12	42-163	20	02/06/2010 1151
Chloroform	50	48		1	96	8.2	70-130	20	02/06/2010 1151
Chloromethane (Methyl chloride)	50	47		1	93	13	20-158	20	02/06/2010 1151
Cyclohexane	50	47		1	94	9.2	70-130	20	02/06/2010 1151
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	101	4.0	70-130	20	02/06/2010 1151
Dibromochloromethane	50	49		1	98	2.7	70-130	20	02/06/2010 1151
1,2-Dibromoethane (EDB)	50	47		1	94	0.28	70-130	20	02/06/2010 1151
1,4-Dichlorobenzene	50	45		1	91	5.6	70-130	20	02/06/2010 1151
1,2-Dichlorobenzene	50	46		1	93	6.3	70-130	20	02/06/2010 1151
1,3-Dichlorobenzene	50	46		1	92	7.2	70-130	20	02/06/2010 1151
Dichlorodifluoromethane	50	50		1	100	13	60-140	20	02/06/2010 1151
1,1-Dichloroethane	50	46		1	93	7.9	70-130	20	02/06/2010 1151
1,2-Dichloroethane	50	47		1	94	7.1	70-130	20	02/06/2010 1151
trans-1,2-Dichloroethene	50	45		1	90	8.1	70-130	20	02/06/2010 1151
1,1-Dichloroethene	50	42		1	84	9.1	70-130	20	02/06/2010 1151
cis-1,2-Dichloroethene	50	47		1	94	8.4	70-130	20	02/06/2010 1151
1,2-Dichloropropane	50	45		1	91	6.8	70-130	20	02/06/2010 1151
cis-1,3-Dichloropropene	50	46		1	93	5.5	70-130	20	02/06/2010 1151
trans-1,3-Dichloropropene	50	46		1	92	2.8	70-130	20	02/06/2010 1151
Ethylbenzene	50	47		1	94	1.6	70-130	20	02/06/2010 1151
2-Hexanone	100	100		1	101	2.8	60-140	20	02/06/2010 1151
Isopropylbenzene	50	49		1	97	6.3	70-130	20	02/06/2010 1151
Methyl acetate	50	45		1	91	2.4	15-128	20	02/06/2010 1151
Methyl tertiary butyl ether (MTBE)	50	48		1	96	7.4	70-130	20	02/06/2010 1151
4-Methyl-2-pentanone	100	100		1	104	2.1	60-140	20	02/06/2010 1151
Methylcyclohexane	50	52		1	105	12	70-130	20	02/06/2010 1151
Methylene chloride	50	47		1	93	9.0	70-130	20	02/06/2010 1151
Styrene	50	49		1	99	4.5	70-130	20	02/06/2010 1151
1,1,2,2-Tetrachloroethane	50	48		1	96	2.7	70-130	20	02/06/2010 1151
Tetrachloroethene	50	47		1	95	2.5	70-130	20	02/06/2010 1151
Toluene	50	46		1	92	6.3	70-130	20	02/06/2010 1151
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	105	9.3	70-130	20	02/06/2010 1151
1,2,4-Trichlorobenzene	50	46		1	92	6.0	70-130	20	02/06/2010 1151
1,1,1-Trichloroethane	50	49		1	98	8.4	70-130	20	02/06/2010 1151
1,1,2-Trichloroethane	50	46		1	93	2.3	70-130	20	02/06/2010 1151

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27117-003
Batch: 27117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	46		1	93	7.0	70-130	20	02/06/2010 1151
Trichlorofluoromethane	50	54		1	109	9.5	60-140	20	02/06/2010 1151
Vinyl chloride	50	45		1	91	10	60-140	20	02/06/2010 1151
Xylenes (total)	100	94		1	94	4.9	70-130	20	02/06/2010 1151

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: LB04013-006MS
Batch: 27117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	56	N	1	56	80-130	02/06/2010 2145
Benzene	ND	50	27	N	1	54	70-130	02/06/2010 2145
Bromodichloromethane	ND	50	30	N	1	59	70-130	02/06/2010 2145
Bromoform	ND	50	27	N	1	53	70-130	02/06/2010 2145
Bromomethane (Methyl bromide)	ND	50	27	N	1	54	60-140	02/06/2010 2145
2-Butanone (MEK)	ND	100	58	N	1	58	60-140	02/06/2010 2145
Carbon disulfide	ND	50	26	N	1	51	60-140	02/06/2010 2145
Carbon tetrachloride	ND	50	30	N	1	59	70-130	02/06/2010 2145
Chlorobenzene	ND	50	27	N	1	54	70-130	02/06/2010 2145
Chloroethane	ND	50	26		1	52	42-163	02/06/2010 2145
Chloroform	ND	50	30	N	1	61	70-130	02/06/2010 2145
Chloromethane (Methyl chloride)	ND	50	18		1	36	20-158	02/06/2010 2145
Cyclohexane	ND	50	17	N	1	34	70-130	02/06/2010 2145
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	29	N	1	57	70-130	02/06/2010 2145
Dibromochloromethane	ND	50	30	N	1	60	70-130	02/06/2010 2145
1,2-Dibromoethane (EDB)	ND	50	28	N	1	55	70-130	02/06/2010 2145
1,4-Dichlorobenzene	ND	50	25	N	1	50	70-130	02/06/2010 2145
1,2-Dichlorobenzene	ND	50	26	N	1	53	70-130	02/06/2010 2145
1,3-Dichlorobenzene	ND	50	25	N	1	50	70-130	02/06/2010 2145
Dichlorodifluoromethane	ND	50	6.3	N	1	13	60-140	02/06/2010 2145
1,1-Dichloroethane	ND	50	28	N	1	57	70-130	02/06/2010 2145
1,2-Dichloroethane	ND	50	30	N	1	61	70-130	02/06/2010 2145
trans-1,2-Dichloroethene	ND	50	26	N	1	52	70-130	02/06/2010 2145
1,1-Dichloroethene	ND	50	22	N	1	43	70-130	02/06/2010 2145
cis-1,2-Dichloroethene	ND	50	29	N	1	57	70-130	02/06/2010 2145
1,2-Dichloropropane	ND	50	27	N	1	54	70-130	02/06/2010 2145
cis-1,3-Dichloropropene	ND	50	27	N	1	54	70-130	02/06/2010 2145
trans-1,3-Dichloropropene	ND	50	27	N	1	54	70-130	02/06/2010 2145
Ethylbenzene	ND	50	27	N	1	53	70-130	02/06/2010 2145
2-Hexanone	ND	100	61		1	61	60-140	02/06/2010 2145
Isopropylbenzene	ND	50	25	N	1	49	70-130	02/06/2010 2145
Methyl acetate	ND	50	24		1	49	15-128	02/06/2010 2145
Methyl tertiary butyl ether (MTBE)	ND	50	29	N	1	59	70-130	02/06/2010 2145
4-Methyl-2-pentanone	ND	100	63		1	63	60-140	02/06/2010 2145
Methylcyclohexane	ND	50	15	N	1	29	70-130	02/06/2010 2145
Methylene chloride	ND	50	28	N	1	56	70-130	02/06/2010 2145
Styrene	ND	50	28	N	1	56	70-130	02/06/2010 2145
1,1,2,2-Tetrachloroethane	ND	50	29	N	1	57	70-130	02/06/2010 2145
Tetrachloroethene	ND	50	25	N	1	50	70-130	02/06/2010 2145
Toluene	ND	50	27	N	1	54	70-130	02/06/2010 2145
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	16	N	1	33	70-130	02/06/2010 2145
1,2,4-Trichlorobenzene	ND	50	25	N	1	49	70-130	02/06/2010 2145
1,1,1-Trichloroethane	ND	50	30	N	1	60	70-130	02/06/2010 2145
1,1,2-Trichloroethane	ND	50	28	N	1	57	70-130	02/06/2010 2145

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: LB04013-006MS
Batch: 27117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	50	27	N	1	55	70-130	02/06/2010 2145
Trichlorofluoromethane	ND	50	21	N	1	41	60-140	02/06/2010 2145
Vinyl chloride	ND	50	14	N	1	29	60-140	02/06/2010 2145
Xylenes (total)	ND	100	53	N	1	53	70-130	02/06/2010 2145

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: LB04013-006MD
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	57	N	1	57	0.13	80-130	20	02/06/2010 2207
Benzene	ND	50	26	N	1	53	1.9	70-130	20	02/06/2010 2207
Bromodichloromethane	ND	50	29	N	1	58	1.8	70-130	20	02/06/2010 2207
Bromoform	ND	50	27	N	1	53	0.39	70-130	20	02/06/2010 2207
Bromomethane (Methyl bromide)	ND	50	26	N	1	52	3.5	60-140	20	02/06/2010 2207
2-Butanone (MEK)	ND	100	60		1	60	2.4	60-140	20	02/06/2010 2207
Carbon disulfide	ND	50	25	N	1	49	4.3	60-140	20	02/06/2010 2207
Carbon tetrachloride	ND	50	28	N	1	56	6.0	70-130	20	02/06/2010 2207
Chlorobenzene	ND	50	27	N	1	54	0.97	70-130	20	02/06/2010 2207
Chloroethane	ND	50	24		1	49	6.2	42-163	20	02/06/2010 2207
Chloroform	ND	50	30	N	1	60	2.3	70-130	20	02/06/2010 2207
Chloromethane (Methyl chloride)	ND	50	18		1	36	0.19	20-158	20	02/06/2010 2207
Cyclohexane	ND	50	15	N	1	31	11	70-130	20	02/06/2010 2207
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	29	N	1	59	1.9	70-130	20	02/06/2010 2207
Dibromochloromethane	ND	50	30	N	1	60	1.2	70-130	20	02/06/2010 2207
1,2-Dibromoethane (EDB)	ND	50	28	N	1	56	1.4	70-130	20	02/06/2010 2207
1,4-Dichlorobenzene	ND	50	25	N	1	50	0.66	70-130	20	02/06/2010 2207
1,2-Dichlorobenzene	ND	50	26	N	1	52	0.99	70-130	20	02/06/2010 2207
1,3-Dichlorobenzene	ND	50	25	N	1	50	0.080	70-130	20	02/06/2010 2207
Dichlorodifluoromethane	ND	50	6.7	N	1	13	6.9	60-140	20	02/06/2010 2207
1,1-Dichloroethane	ND	50	27	N	1	54	3.7	70-130	20	02/06/2010 2207
1,2-Dichloroethane	ND	50	29	N	1	57	5.5	70-130	20	02/06/2010 2207
trans-1,2-Dichloroethene	ND	50	25	N	1	49	4.8	70-130	20	02/06/2010 2207
1,1-Dichloroethene	ND	50	21	N	1	41	5.3	70-130	20	02/06/2010 2207
cis-1,2-Dichloroethene	ND	50	28	N	1	56	2.1	70-130	20	02/06/2010 2207
1,2-Dichloropropane	ND	50	27	N	1	54	0.11	70-130	20	02/06/2010 2207
cis-1,3-Dichloropropene	ND	50	27	N	1	54	0.83	70-130	20	02/06/2010 2207
trans-1,3-Dichloropropene	ND	50	27	N	1	54	0.50	70-130	20	02/06/2010 2207
Ethylbenzene	ND	50	26	N	1	52	2.9	70-130	20	02/06/2010 2207
2-Hexanone	ND	100	59	N	1	59	2.2	60-140	20	02/06/2010 2207
Isopropylbenzene	ND	50	24	N	1	49	0.20	70-130	20	02/06/2010 2207
Methyl acetate	ND	50	23		1	46	6.2	15-128	20	02/06/2010 2207
Methyl tertiary butyl ether (MTBE)	ND	50	30	N	1	59	0.74	70-130	20	02/06/2010 2207
4-Methyl-2-pentanone	ND	100	62		1	62	1.0	60-140	20	02/06/2010 2207
Methylcyclohexane	ND	50	14	N	1	28	4.8	70-130	20	02/06/2010 2207
Methylene chloride	ND	50	28	N	1	55	1.1	70-130	20	02/06/2010 2207
Styrene	ND	50	27	N	1	54	3.5	70-130	20	02/06/2010 2207
1,1,2,2-Tetrachloroethane	ND	50	29	N	1	57	0.30	70-130	20	02/06/2010 2207
Tetrachloroethene	ND	50	25	N	1	49	1.8	70-130	20	02/06/2010 2207
Toluene	ND	50	27	N	1	53	1.8	70-130	20	02/06/2010 2207
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	15	N	1	30	8.8	70-130	20	02/06/2010 2207
1,2,4-Trichlorobenzene	ND	50	25	N	1	49	0.11	70-130	20	02/06/2010 2207
1,1,1-Trichloroethane	ND	50	28	N	1	56	7.1	70-130	20	02/06/2010 2207
1,1,2-Trichloroethane	ND	50	29	N	1	57	0.82	70-130	20	02/06/2010 2207

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: LB04013-006MD
Batch: 27117
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	50	27	N	1	53	2.8	70-130	20	02/06/2010 2207
Trichlorofluoromethane	ND	50	19	N	1	37	9.3	60-140	20	02/06/2010 2207
Vinyl chloride	ND	50	14	N	1	28	4.9	60-140	20	02/06/2010 2207
Xylenes (total)	ND	100	52	N	1	52	0.91	70-130	20	02/06/2010 2207

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27307-001
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	02/09/2010 1832
Benzene	ND		1	0.50	0.027	ug/L	02/09/2010 1832
Bromodichloromethane	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Bromoform	ND		1	0.50	0.010	ug/L	02/09/2010 1832
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	02/09/2010 1832
2-Butanone (MEK)	ND		1	10	2.0	ug/L	02/09/2010 1832
Carbon disulfide	ND		1	0.50	0.097	ug/L	02/09/2010 1832
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	02/09/2010 1832
Chlorobenzene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Chloroethane	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Chloroform	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Cyclohexane	ND		1	0.50	0.30	ug/L	02/09/2010 1832
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	02/09/2010 1832
Dibromochloromethane	ND		1	0.50	0.17	ug/L	02/09/2010 1832
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	02/09/2010 1832
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	02/09/2010 1832
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	02/09/2010 1832
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	02/09/2010 1832
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	02/09/2010 1832
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	02/09/2010 1832
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	02/09/2010 1832
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	02/09/2010 1832
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	02/09/2010 1832
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	02/09/2010 1832
Ethylbenzene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
2-Hexanone	ND		1	10	0.27	ug/L	02/09/2010 1832
Isopropylbenzene	ND		1	0.50	0.029	ug/L	02/09/2010 1832
Methyl acetate	ND		1	1.0	0.30	ug/L	02/09/2010 1832
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	02/09/2010 1832
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	02/09/2010 1832
Methylcyclohexane	ND		1	5.0	0.95	ug/L	02/09/2010 1832
Methylene chloride	ND		1	0.50	0.17	ug/L	02/09/2010 1832
Styrene	ND		1	0.50	0.015	ug/L	02/09/2010 1832
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	02/09/2010 1832
Tetrachloroethene	ND		1	0.50	0.014	ug/L	02/09/2010 1832
Toluene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	02/09/2010 1832
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	02/09/2010 1832
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	02/09/2010 1832
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	02/09/2010 1832

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ27307-001
Batch: 27307
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	02/09/2010 1832
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	02/09/2010 1832
Vinyl chloride	ND		1	0.50	0.065	ug/L	02/09/2010 1832
Xylenes (total)	ND		1	0.50	0.17	ug/L	02/09/2010 1832

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27307-002
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	109	46-153	02/09/2010 1704
Benzene	50	47		1	94	70-130	02/09/2010 1704
Bromodichloromethane	50	48		1	97	70-130	02/09/2010 1704
Bromoform	50	46		1	91	70-130	02/09/2010 1704
Bromomethane (Methyl bromide)	50	45		1	91	60-140	02/09/2010 1704
2-Butanone (MEK)	100	97		1	97	60-140	02/09/2010 1704
Carbon disulfide	50	51		1	102	60-140	02/09/2010 1704
Carbon tetrachloride	50	47		1	94	70-130	02/09/2010 1704
Chlorobenzene	50	47		1	95	70-130	02/09/2010 1704
Chloroethane	50	47		1	94	42-163	02/09/2010 1704
Chloroform	50	47		1	94	70-130	02/09/2010 1704
Chloromethane (Methyl chloride)	50	44		1	88	20-158	02/09/2010 1704
Cyclohexane	50	50		1	101	70-130	02/09/2010 1704
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	99	70-130	02/09/2010 1704
Dibromochloromethane	50	51		1	102	70-130	02/09/2010 1704
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	02/09/2010 1704
1,4-Dichlorobenzene	50	47		1	93	70-130	02/09/2010 1704
1,3-Dichlorobenzene	50	49		1	97	70-130	02/09/2010 1704
1,2-Dichlorobenzene	50	49		1	97	70-130	02/09/2010 1704
Dichlorodifluoromethane	50	21	N	1	42	60-140	02/09/2010 1704
1,1-Dichloroethane	50	46		1	92	70-130	02/09/2010 1704
1,2-Dichloroethane	50	48		1	96	70-130	02/09/2010 1704
1,1-Dichloroethene	50	49		1	97	70-130	02/09/2010 1704
cis-1,2-Dichloroethene	50	46		1	92	70-130	02/09/2010 1704
trans-1,2-Dichloroethene	50	45		1	91	70-130	02/09/2010 1704
1,2-Dichloropropane	50	45		1	91	70-130	02/09/2010 1704
trans-1,3-Dichloropropene	50	53		1	106	70-130	02/09/2010 1704
cis-1,3-Dichloropropene	50	49		1	98	70-130	02/09/2010 1704
Ethylbenzene	50	49		1	97	70-130	02/09/2010 1704
2-Hexanone	100	92		1	92	60-140	02/09/2010 1704
Isopropylbenzene	50	51		1	102	70-130	02/09/2010 1704
Methyl acetate	50	50		1	100	15-128	02/09/2010 1704
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	02/09/2010 1704
4-Methyl-2-pentanone	100	97		1	97	60-140	02/09/2010 1704
Methylcyclohexane	50	48		1	95	70-130	02/09/2010 1704
Methylene chloride	50	51		1	102	70-130	02/09/2010 1704
Styrene	50	48		1	97	70-130	02/09/2010 1704
1,1,2,2-Tetrachloroethane	50	49		1	97	70-130	02/09/2010 1704
Tetrachloroethene	50	48		1	96	70-130	02/09/2010 1704
Toluene	50	47		1	94	70-130	02/09/2010 1704
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	90	70-130	02/09/2010 1704
1,2,4-Trichlorobenzene	50	50		1	101	70-130	02/09/2010 1704
1,1,1-Trichloroethane	50	46		1	92	70-130	02/09/2010 1704
1,1,2-Trichloroethane	50	48		1	96	70-130	02/09/2010 1704

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ27307-002
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	93	70-130	02/09/2010 1704
Trichlorofluoromethane	50	45		1	90	60-140	02/09/2010 1704
Vinyl chloride	50	39		1	79	60-140	02/09/2010 1704
Xylenes (total)	100	97		1	97	70-130	02/09/2010 1704

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27307-003
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	85	+	1	85	26	46-153	20	02/09/2010 1726
Benzene	50	48		1	96	2.4	70-130	20	02/09/2010 1726
Bromodichloromethane	50	48		1	97	0.081	70-130	20	02/09/2010 1726
Bromoform	50	42		1	84	8.6	70-130	20	02/09/2010 1726
Bromomethane (Methyl bromide)	50	45		1	90	1.4	60-140	20	02/09/2010 1726
2-Butanone (MEK)	100	87		1	87	10	60-140	20	02/09/2010 1726
Carbon disulfide	50	51		1	101	1.1	60-140	20	02/09/2010 1726
Carbon tetrachloride	50	47		1	94	0.41	70-130	20	02/09/2010 1726
Chlorobenzene	50	50		1	99	4.5	70-130	20	02/09/2010 1726
Chloroethane	50	46		1	93	2.0	42-163	20	02/09/2010 1726
Chloroform	50	48		1	95	0.90	70-130	20	02/09/2010 1726
Chloromethane (Methyl chloride)	50	45		1	89	1.2	20-158	20	02/09/2010 1726
Cyclohexane	50	52		1	104	3.6	70-130	20	02/09/2010 1726
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	6.3	70-130	20	02/09/2010 1726
Dibromochloromethane	50	50		1	99	2.5	70-130	20	02/09/2010 1726
1,2-Dibromoethane (EDB)	50	51		1	103	2.4	70-130	20	02/09/2010 1726
1,4-Dichlorobenzene	50	49		1	98	5.3	70-130	20	02/09/2010 1726
1,3-Dichlorobenzene	50	50		1	101	3.4	70-130	20	02/09/2010 1726
1,2-Dichlorobenzene	50	51		1	101	3.9	70-130	20	02/09/2010 1726
Dichlorodifluoromethane	50	33	+	1	66	45	60-140	20	02/09/2010 1726
1,1-Dichloroethane	50	46		1	91	1.0	70-130	20	02/09/2010 1726
1,2-Dichloroethane	50	49		1	97	0.65	70-130	20	02/09/2010 1726
1,1-Dichloroethene	50	48		1	96	1.3	70-130	20	02/09/2010 1726
cis-1,2-Dichloroethene	50	47		1	93	1.3	70-130	20	02/09/2010 1726
trans-1,2-Dichloroethene	50	45		1	90	0.43	70-130	20	02/09/2010 1726
1,2-Dichloropropane	50	47		1	95	3.9	70-130	20	02/09/2010 1726
trans-1,3-Dichloropropene	50	53		1	105	0.43	70-130	20	02/09/2010 1726
cis-1,3-Dichloropropene	50	50		1	100	2.2	70-130	20	02/09/2010 1726
Ethylbenzene	50	50		1	100	3.1	70-130	20	02/09/2010 1726
2-Hexanone	100	98		1	98	6.4	60-140	20	02/09/2010 1726
Isopropylbenzene	50	52		1	103	1.2	70-130	20	02/09/2010 1726
Methyl acetate	50	45		1	90	11	15-128	20	02/09/2010 1726
Methyl tertiary butyl ether (MTBE)	50	49		1	97	5.3	70-130	20	02/09/2010 1726
4-Methyl-2-pentanone	100	98		1	98	1.1	60-140	20	02/09/2010 1726
Methylcyclohexane	50	49		1	98	2.7	70-130	20	02/09/2010 1726
Methylene chloride	50	51		1	101	0.38	70-130	20	02/09/2010 1726
Styrene	50	50		1	101	3.9	70-130	20	02/09/2010 1726
1,1,2,2-Tetrachloroethane	50	49		1	97	0.42	70-130	20	02/09/2010 1726
Tetrachloroethene	50	50		1	99	2.8	70-130	20	02/09/2010 1726
Toluene	50	50		1	99	5.7	70-130	20	02/09/2010 1726
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	90	0.28	70-130	20	02/09/2010 1726
1,2,4-Trichlorobenzene	50	50		1	100	0.45	70-130	20	02/09/2010 1726
1,1,1-Trichloroethane	50	47		1	94	1.9	70-130	20	02/09/2010 1726
1,1,2-Trichloroethane	50	49		1	98	2.5	70-130	20	02/09/2010 1726

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ27307-003
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	48		1	96	2.8	70-130	20	02/09/2010 1726
Trichlorofluoromethane	50	45		1	91	0.78	60-140	20	02/09/2010 1726
Vinyl chloride	50	39		1	78	1.1	60-140	20	02/09/2010 1726
Xylenes (total)	100	99		1	99	2.7	70-130	20	02/09/2010 1726

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: LB04013-028MS
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	19	100	93	N	1	74	80-130	02/10/2010 0314
Benzene	ND	50	51		1	103	70-130	02/10/2010 0314
Bromodichloromethane	ND	50	50		1	99	70-130	02/10/2010 0314
Bromoform	ND	50	38		1	77	70-130	02/10/2010 0314
Bromomethane (Methyl bromide)	ND	50	48		1	96	60-140	02/10/2010 0314
2-Butanone (MEK)	ND	100	89		1	89	60-140	02/10/2010 0314
Carbon disulfide	ND	50	52		1	104	60-140	02/10/2010 0314
Carbon tetrachloride	ND	50	51		1	102	70-130	02/10/2010 0314
Chlorobenzene	ND	50	50		1	100	70-130	02/10/2010 0314
Chloroethane	ND	50	52		1	104	42-163	02/10/2010 0314
Chloroform	ND	50	50		1	100	70-130	02/10/2010 0314
Chloromethane (Methyl chloride)	ND	50	44		1	89	20-158	02/10/2010 0314
Cyclohexane	ND	50	20	N	1	40	70-130	02/10/2010 0314
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	43		1	87	70-130	02/10/2010 0314
Dibromochloromethane	ND	50	49		1	98	70-130	02/10/2010 0314
1,2-Dibromoethane (EDB)	ND	50	50		1	100	70-130	02/10/2010 0314
1,4-Dichlorobenzene	ND	50	49		1	97	70-130	02/10/2010 0314
1,3-Dichlorobenzene	ND	50	50		1	99	70-130	02/10/2010 0314
1,2-Dichlorobenzene	ND	50	50		1	99	70-130	02/10/2010 0314
Dichlorodifluoromethane	ND	50	36		1	72	60-140	02/10/2010 0314
1,1-Dichloroethane	ND	50	49		1	98	70-130	02/10/2010 0314
1,2-Dichloroethane	ND	50	50		1	99	70-130	02/10/2010 0314
1,1-Dichloroethene	ND	50	52		1	104	70-130	02/10/2010 0314
cis-1,2-Dichloroethene	1.0	50	51		1	99	70-130	02/10/2010 0314
trans-1,2-Dichloroethene	ND	50	49		1	99	70-130	02/10/2010 0314
1,2-Dichloropropane	ND	50	48		1	96	70-130	02/10/2010 0314
trans-1,3-Dichloropropene	ND	50	49		1	99	70-130	02/10/2010 0314
cis-1,3-Dichloropropene	ND	50	49		1	97	70-130	02/10/2010 0314
Ethylbenzene	ND	50	51		1	101	70-130	02/10/2010 0314
2-Hexanone	ND	100	88		1	88	60-140	02/10/2010 0314
Isopropylbenzene	ND	50	53		1	105	70-130	02/10/2010 0314
Methyl acetate	ND	50	44		1	88	15-128	02/10/2010 0314
Methyl tertiary butyl ether (MTBE)	ND	50	49		1	97	70-130	02/10/2010 0314
4-Methyl-2-pentanone	ND	100	90		1	90	60-140	02/10/2010 0314
Methylcyclohexane	ND	50	53		1	106	70-130	02/10/2010 0314
Methylene chloride	ND	50	54		1	108	70-130	02/10/2010 0314
Styrene	ND	50	46		1	91	70-130	02/10/2010 0314
1,1,2,2-Tetrachloroethane	ND	50	47		1	94	70-130	02/10/2010 0314
Tetrachloroethene	ND	50	52		1	103	70-130	02/10/2010 0314
Toluene	ND	50	50		1	100	70-130	02/10/2010 0314
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	49		1	98	70-130	02/10/2010 0314
1,2,4-Trichlorobenzene	ND	50	48		1	96	70-130	02/10/2010 0314
1,1,1-Trichloroethane	ND	50	51		1	102	70-130	02/10/2010 0314
1,1,2-Trichloroethane	ND	50	49		1	98	70-130	02/10/2010 0314

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: LB04013-028MS
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	40	50	92		1	103	70-130	02/10/2010 0314
Trichlorofluoromethane	ND	50	50		1	99	60-140	02/10/2010 0314
Vinyl chloride	ND	50	44		1	87	60-140	02/10/2010 0314
Xylenes (total)	ND	100	98		1	98	70-130	02/10/2010 0314

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: LB04013-028MD
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	19	100	86	N	1	67	7.4	80-130	20	02/10/2010 0336
Benzene	ND	50	52		1	103	0.68	70-130	20	02/10/2010 0336
Bromodichloromethane	ND	50	50		1	100	0.94	70-130	20	02/10/2010 0336
Bromoform	ND	50	39		1	77	0.73	70-130	20	02/10/2010 0336
Bromomethane (Methyl bromide)	ND	50	49		1	99	3.1	60-140	20	02/10/2010 0336
2-Butanone (MEK)	ND	100	89		1	89	0.023	60-140	20	02/10/2010 0336
Carbon disulfide	ND	50	51		1	102	1.5	60-140	20	02/10/2010 0336
Carbon tetrachloride	ND	50	51		1	102	0.35	70-130	20	02/10/2010 0336
Chlorobenzene	ND	50	52		1	104	3.6	70-130	20	02/10/2010 0336
Chloroethane	ND	50	53		1	105	1.1	42-163	20	02/10/2010 0336
Chloroform	ND	50	50		1	101	0.80	70-130	20	02/10/2010 0336
Chloromethane (Methyl chloride)	ND	50	37		1	75	18	20-158	20	02/10/2010 0336
Cyclohexane	ND	50	57	+	1	113	95	70-130	20	02/10/2010 0336
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	45		1	91	4.7	70-130	20	02/10/2010 0336
Dibromochloromethane	ND	50	50		1	100	2.0	70-130	20	02/10/2010 0336
1,2-Dibromoethane (EDB)	ND	50	52		1	104	4.2	70-130	20	02/10/2010 0336
1,4-Dichlorobenzene	ND	50	50		1	100	3.4	70-130	20	02/10/2010 0336
1,3-Dichlorobenzene	ND	50	52		1	104	4.3	70-130	20	02/10/2010 0336
1,2-Dichlorobenzene	ND	50	52		1	104	4.5	70-130	20	02/10/2010 0336
Dichlorodifluoromethane	ND	50	36		1	72	0.71	60-140	20	02/10/2010 0336
1,1-Dichloroethane	ND	50	49		1	97	0.42	70-130	20	02/10/2010 0336
1,2-Dichloroethane	ND	50	50		1	100	0.63	70-130	20	02/10/2010 0336
1,1-Dichloroethene	ND	50	52		1	105	0.35	70-130	20	02/10/2010 0336
cis-1,2-Dichloroethene	1.0	50	50		1	99	0.30	70-130	20	02/10/2010 0336
trans-1,2-Dichloroethene	ND	50	49		1	99	0.024	70-130	20	02/10/2010 0336
1,2-Dichloropropane	ND	50	49		1	99	2.4	70-130	20	02/10/2010 0336
trans-1,3-Dichloropropene	ND	50	51		1	102	3.7	70-130	20	02/10/2010 0336
cis-1,3-Dichloropropene	ND	50	50		1	99	2.2	70-130	20	02/10/2010 0336
Ethylbenzene	ND	50	53		1	107	5.1	70-130	20	02/10/2010 0336
2-Hexanone	ND	100	96		1	96	9.7	60-140	20	02/10/2010 0336
Isopropylbenzene	ND	50	55		1	110	4.4	70-130	20	02/10/2010 0336
Methyl acetate	ND	50	42		1	84	5.6	15-128	20	02/10/2010 0336
Methyl tertiary butyl ether (MTBE)	ND	50	49		1	98	1.1	70-130	20	02/10/2010 0336
4-Methyl-2-pentanone	ND	100	97		1	97	7.0	60-140	20	02/10/2010 0336
Methylcyclohexane	ND	50	53		1	107	0.66	70-130	20	02/10/2010 0336
Methylene chloride	ND	50	54		1	107	1.0	70-130	20	02/10/2010 0336
Styrene	ND	50	50		1	100	8.7	70-130	20	02/10/2010 0336
1,1,2,2-Tetrachloroethane	ND	50	49		1	98	4.5	70-130	20	02/10/2010 0336
Tetrachloroethene	ND	50	53		1	106	3.0	70-130	20	02/10/2010 0336
Toluene	ND	50	52		1	104	3.9	70-130	20	02/10/2010 0336
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	49		1	99	1.1	70-130	20	02/10/2010 0336
1,2,4-Trichlorobenzene	ND	50	50		1	100	4.0	70-130	20	02/10/2010 0336
1,1,1-Trichloroethane	ND	50	52		1	103	0.95	70-130	20	02/10/2010 0336
1,1,2-Trichloroethane	ND	50	50		1	100	2.6	70-130	20	02/10/2010 0336

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: LB04013-028MD
Batch: 27307
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	40	50	92		1	103	0.030	70-130	20	02/10/2010 0336
Trichlorofluoromethane	ND	50	51		1	101	1.7	60-140	20	02/10/2010 0336
Vinyl chloride	ND	50	44		1	87	0.18	60-140	20	02/10/2010 0336
Xylenes (total)	ND	100	100		1	103	5.2	70-130	20	02/10/2010 0336

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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SHEALY Chain of Custody Record

Number 101523

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.bostian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Dr. #300	Sampler's Signature: X	Waybill No.	Page 1 of
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Josh Frizzell	Analysis (Attach list if more space is needed.)	
Project Name: HAA-15			
Project No.: GP08HAPS. H15B. DG0F1	P.O. No.		Lot No.: LB04013

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Comb Co-Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	VOCs	Remarks / Cooler I.D.
HGL-11B (020210)	2-2-2010	1030	G	X						3			X	
HGL-11C (020210)	2-2-2010	1125	G	X						3			X	
HGL-4B (020210)	2-2-2010	1400	G	X						3			X	
HGL-4C (020210)	2-2-2010	1450	G	X						3			X	
HGL-10B (020210)	2-2-2010	1630	G	X						3			X	
HGL-10C (020210)	2-2-2010	1720	G	X						3			X	
HGL-10C (020210) MS/MSD	2-2-2010	1720	G	X						3			X	
XX-25 (020310)	2-3-2010	0855	G	X						3			X	
XX-26 (1-S) (020310)	2-3-2010	1000	G	X						3			X	
XX-26 (3-D) (020310)	2-3-2010	1105	G	X						3			X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	2-3-10	1800	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by: FEDEX	2-4-10	0900	3. Laboratory received by	2-4-10	0900

Comments:

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack

Receipt Temp. 2.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK Field/Client Copy

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SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 102788

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.bostian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Dr. #300	Sampler's Signature: x	Waybill No.	Page 2 of ___
City: Raleigh	State: NC	Zip Code: 27607	Printed Name: Josh Fri 2011
Project Name: HAA-15			

Analysis (Attach list if more space is needed.)

Project No.	P.O. No.			Matrix			No. of Containers by Preservative Type								Lot No.
GP08 HAFS. H15B. DGOFI															LB04013
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Aqueous	Solid	Non-Aqueous	Ungrsvd	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs	Remarks / Cooler I.D.
HGL-5B (020310)	2-3-2010	1405	G	X						3				X	
HGL-5C (020310)	2-3-2010	1455	G	X						3				X	
H15-MW-01B (020310)	2-3-2010	1600	G	X						3				X	
H15-MW-01C (020310)	2-3-2010	1650	G	X						3				X	
DUP1-H15 (020210)	2-2-2010	1200	G	X						3				X	
DUP2-H15 (020310)	2-3-2010	1200	G	X						3				X	
Trip Blank										2				X	
Temp Blank															

JDF 2-3-2010

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal
☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☒ Standard ☐ Rush (Specify)

QC Requirements (Specify)

1. Relinquished by	Date	Time	1. Received by	Date	Time
	2-3-10	1800			
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by FEDEX	Date 2-4-10	Time 09W	3. Laboratory received by	Date 2-4-N	Time 09W

Comments

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack

Receipt Temp 2.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

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SHEALY **Chain of Custody Record**

Number 105662

Client: ARCADIS	Report to Contact: Janet Christy	Telephone No. / Fax No. / E-mail: 864-987-3900	Quote No.
Address: 2849 Paces Ferry Rd	Sampler's Signature: x Erica Maddox	Waybill No.	Page 1 of 2
City: Atlanta / State: GA / Zip Code: 30339	Printed Name: Erica Maddox	Analysis (Attach list if more space is needed.)	
Project Name: Hunter - HAA-15 Report			
Project No.: GP08HAFS.H15B.DGDF1	P.O. No.		Lot No.: LA04013

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non Aqueous	No. of Containers by Preservative Type: Unpres	H2SO4	HNO3	HCl	NaOH	ZnOAc/NaOH	VOCs (8260B)	Remarks / Cooler I.D.
HGL-8B (020210)	2/2/10	0930	X	X						3			✓	
HGL-8C (020210)		1030	X	X						3			✓	
XX-15 (020210)		1530	X	X						3			✓	
HGL-1B (020210)		1630	X	X						3			✓	
HGL-1C (020210)		1720	X	X						3			✓	
DUP3-H15 (020210)	↓	1200	X	X						3			✓	
XX-18 (020310)	2/3/10	0855	X	X						3			✓	
XX-12 (020310)		1020	X	X						3			✓	
HGL-9B (020310)		1455	X	X						3			✓	
HGL-9C (020310)	↓	1545	X	X						3			✓	

Possible Hazard Identification: X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): X Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Erica Maddox	2/3/10	1830	1. Received by: Fedex	1830	2/3/10
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FEDEX	2/4/10	0900	3. Laboratory received by	2-4-10	0900

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 2.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

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SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 105663

Client: ARCADIS	Report to Contact: Janet Christy	Telephone No. / Fax No. / E-mail: 864-987-3900	Quote No.
Address: 2849 Paces Ferry	Sampler's Signature: X Erica Maddox	Waybill No.	Page 2 of 2
City: Atlanta / State: GA / Zip Code: 30339	Printed Name: Erica Maddox	Analysis (Attach list if more space is needed.)	
Project Name: Hunter - HAA-15 Report			
Project No.: GP08HAFS. HISB.DG0F1	P.O. No.		Lot No.: LB04013

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	VOCs (8260B)	Remarks / Cooler I.D.
TB-02 (020210)	2/2/10	0900	X	X						3			✓	
Temp Blank	↓	0900	X	X										

Erica Maddox 2/3/10

Possible Hazard Identification: X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): X Standard ☐ Rush (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: Erica Maddox	2/3/10	1830	1. Received by: Fedex	2/3/10	1830
2. Relinquished by:	Date	Time	2. Received by:	Date	Time
3. Relinquished by: FEDEX	2/4/10	0900	3. Laboratory received by:	2-4-10	0900

Comments:

LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack — Receipt Temp. 2.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-015
Revision Number: 6

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: AMD 2/4/10 Lot #: LB04013

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐	NA ☐	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt: 2.0 °C 2.5 °C / °C / °C / / °C / °C / °C / °C Method: ☐ Temperature Blank ☑ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 102787

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.bostian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Dr. #300	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Raleigh; State: NC; Zip Code: 27607	Printed Name: Josh Frizzell	Analysis (Attach list if more space is needed.)	
Project Name: HAA15			

Project No.	P.O. No.			Matrix			No. of Containers by Preservative Type							Lot No.
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Remarks / Cooler I.D.
GP08 HAFS H15B DGOF1													VOCs 8260B	LB04013
HGL-7B (020410)	2-4-2010	0835	G	X						3			X	
HGL-7B (020410) MS/MSD	2-4-2010	0835	G	X						3			X	
HGL-7C (020410)	2-4-2010	0930	G	X						3			X	
HGL-6B (020410)	2-4-2010	1035	G	X						3			X	
HGL-6C (020410)	2-4-2010	1125	G	X						3			X	
XX-21 (020410)	2/4/10	0835	G	X						3			X	
XX-19 (020410)	2/4/10	1050	G	X						3			X	
XX-17 (020410)	2/4/10	1150	G	X						3			X	
H15-MW-02B (020410)	2/4/10	0930	G	X						3			X	
TB-01 (020410)	2/4/10	0830	G	X						2			X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush: (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	2-4-2010	1500	1. Received by: Fedex	2/4/10	1500
2. Relinquished by	2-5-10		2. Received by		
3. Relinquished by: FEDEX	2/4	0910	3. Laboratory received by	2/5/10	0910

Comments:

LAB USE ONLY
Received on Ice (Circle) Yes / No Ice Pack

Receipt Temp: 1.7 °C ~~2.3~~ EA 2/5/10

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1
SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: GE / 2/5/10 Lot #: LB04013

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	NA ☐	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 1 / 1.7 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: HAA-15

Project Number: GP08HAFS.H15B.DG0F1

Lot Number: KL20003

Date Completed: 01/06/2010



Nisreen Saikaly
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

KL20003

Case Narrative
ARCADIS U.S., Inc.
Lot Number: KL20003

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

Sample -005 was analyzed for 2-Butanone (MEK) and Isopropylbenzene outside the holding time. The initial run was with holding time but was associated with failing QC.

The LCSD recovery for Chloroethane, 1,1-Dichloroethene and Methylene chloride was slightly outside method control limits in batch 24676. As per method, it is statistically likely that a few analytes will be outside control limits; up to five analytes may marginally exceed the control limits. The LCS had many analytes outside the recovery limits, however the LCSD met all method requirements. Therefore the associated sample results were reported and no corrective action was required.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: KL20003

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-SEP01(121809)-(22-23)	Solid	12/18/2009 0945	12/19/2009
002	H15-SEP01(121809)-(38-39)	Solid	12/18/2009 0950	12/19/2009
003	H15-SEP01(121809)-(44-45)	Solid	12/18/2009 1000	12/19/2009
004	H15-SB03C(121809)-(34-35)	Solid	12/18/2009 1115	12/19/2009
005	H15-SB03C(121809)-(39-40)	Solid	12/18/2009 1140	12/19/2009
006	H15-SB03C(121809)-(44-45)	Solid	12/18/2009 1145	12/19/2009

(6 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL20003

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-SEP01(121809)-(22-	Solid	cis-1,2-Dichloroethene	8260B	2.8	J	ug/kg	5
001	H15-SEP01(121809)-(22-	Solid	2-Hexanone	8260B	8.5		ug/kg	5
001	H15-SEP01(121809)-(22-	Solid	Trichloroethene	8260B	29		ug/kg	6
002	H15-SEP01(121809)-(38-	Solid	Acetone	8260B	18		ug/kg	7
002	H15-SEP01(121809)-(38-	Solid	Carbon disulfide	8260B	1.1	J	ug/kg	7
002	H15-SEP01(121809)-(38-	Solid	cis-1,2-Dichloroethene	8260B	0.48	J	ug/kg	7
003	H15-SEP01(121809)-(44-	Solid	Acetone	8260B	7.9	J	ug/kg	9
003	H15-SEP01(121809)-(44-	Solid	Carbon disulfide	8260B	0.94	J	ug/kg	9
003	H15-SEP01(121809)-(44-	Solid	cis-1,2-Dichloroethene	8260B	0.60	J	ug/kg	9
004	H15-SB03C(121809)-(34-	Solid	Acetone	8260B	9.0	J	ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	Carbon disulfide	8260B	9.4		ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	1,2-Dichlorobenzene	8260B	1.6	J	ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	cis-1,2-Dichloroethene	8260B	75		ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	trans-1,2-Dichloroethene	8260B	2.0	J	ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	Methylcyclohexane	8260B	1.8	J	ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	Toluene	8260B	1.6	J	ug/kg	11
004	H15-SB03C(121809)-(34-	Solid	Trichloroethene	8260B	1200		ug/kg	12
004	H15-SB03C(121809)-(34-	Solid	Xylenes (total)	8260B	2.4	J	ug/kg	12
005	H15-SB03C(121809)-(39-	Solid	cis-1,2-Dichloroethene	8260B	720		ug/kg	13
005	H15-SB03C(121809)-(39-	Solid	Trichloroethene	8260B	13000	H	ug/kg	14
006	H15-SB03C(121809)-(44-	Solid	Carbon disulfide	8260B	5.0		ug/kg	15
006	H15-SB03C(121809)-(44-	Solid	1,1-Dichloroethane	8260B	1.0	J	ug/kg	15
006	H15-SB03C(121809)-(44-	Solid	1,1-Dichloroethene	8260B	5.3		ug/kg	15
006	H15-SB03C(121809)-(44-	Solid	cis-1,2-Dichloroethene	8260B	500		ug/kg	15
006	H15-SB03C(121809)-(44-	Solid	trans-1,2-Dichloroethene	8260B	14		ug/kg	15
006	H15-SB03C(121809)-(44-	Solid	Toluene	8260B	1.6	J	ug/kg	15
006	H15-SB03C(121809)-(44-	Solid	Trichloroethene	8260B	2300		ug/kg	16
006	H15-SB03C(121809)-(44-	Solid	Vinyl chloride	8260B	1.4	J	ug/kg	16

(28 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-001
Description: H15-SEP01(121809)-(22-23)
Matrix: Solid
Date Sampled: 12/18/2009 0945
% Solids: 79.6 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0304	MZ		24599	9.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14	4.6	ug/kg	1
Benzene	71-43-2	8260B	ND		3.4	0.75	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.4	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.4	0.48	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.4	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.8	1.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.4	0.89	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.4	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.4	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.4	0.89	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.4	0.57	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.4	0.68	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.4	0.46	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.4	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.4	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.4	0.58	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.4	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.4	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.4	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.4	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.4	0.50	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.4	0.68	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.4	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.8	J	3.4	0.52	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.4	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.4	0.62	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.4	0.46	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.4	0.56	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.4	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	8.5		6.8	0.89	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.4	0.55	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.4	0.46	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.4	0.27	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.8	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.4	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.4	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.4	0.75	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.4	0.32	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.4	1.6	ug/kg	1
Toluene	108-88-3	8260B	ND		3.4	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.4	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.4	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.4	0.58	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.4	0.54	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-001
Description: H15-SEP01(121809)-(22-23)
Matrix: Solid
Date Sampled: 12/18/2009 0945
% Solids: 79.6 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0304	MZ		24599	9.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	29		3.4	1.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.4	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.4	0.59	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.4	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		66	53-142
Bromofluorobenzene		83	47-138
Toluene-d8		78	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-002
Description: H15-SEP01(121809)-(38-39)
Matrix: Solid
Date Sampled: 12/18/2009 0950
% Solids: 79.9 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0327	MZ		24599	11.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	18		11	3.6	ug/kg	1
Benzene	71-43-2	8260B	ND		2.7	0.59	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.91	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.97	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.4	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.1	J	2.7	0.70	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.97	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.91	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.70	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.45	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.7	0.54	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.7	0.36	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.81	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.91	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.46	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.91	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.91	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.91	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.86	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.7	0.39	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.54	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.7	0.91	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.48	J	2.7	0.41	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.7	0.81	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.49	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.36	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.44	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.7	0.91	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.4	0.70	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.43	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.36	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.4	0.81	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.7	0.33	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.59	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.25	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.2	ug/kg	1
Toluene	108-88-3	8260B	ND		2.7	0.91	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.91	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.46	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.42	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-002
Description: H15-SEP01(121809)-(38-39)
Matrix: Solid
Date Sampled: 12/18/2009 0950
% Solids: 79.9 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0327	MZ		24599	11.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.7	1.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.81	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.7	0.46	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.7	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		66	53-142
Bromofluorobenzene		78	47-138
Toluene-d8		79	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-003
Description: H15-SEP01(121809)-(44-45)
Matrix: Solid
Date Sampled: 12/18/2009 1000
% Solids: 71.4 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0350	MZ		24599	14.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	7.9	J	9.9	3.3	ug/kg	1
Benzene	71-43-2	8260B	ND		2.5	0.54	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.84	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.5	0.35	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	0.89	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.9	1.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	0.94	J	2.5	0.64	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.89	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.5	0.84	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.5	0.64	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.5	0.41	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.49	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.5	0.33	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.74	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.84	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.42	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.84	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.84	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.84	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.79	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.5	0.36	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.49	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.5	0.84	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.60	J	2.5	0.37	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.5	0.74	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.45	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.34	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.40	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.5	0.84	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.9	0.64	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.5	0.39	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.5	0.33	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.5	0.20	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.9	0.74	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.5	0.30	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.5	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		2.5	0.54	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.23	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.5	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		2.5	0.84	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.84	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.42	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.39	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-003
Description: H15-SEP01(121809)-(44-45)
Matrix: Solid
Date Sampled: 12/18/2009 1000
% Solids: 71.4 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0350	MZ		24599	14.21

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2.5	0.94	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.74	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.5	0.42	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.5	1.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		83	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-004
Description: H15-SB03C(121809)-(34-35)
Matrix: Solid
Date Sampled: 12/18/2009 1115
% Solids: 80.1 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0414	MZ		24599	9.33
2	5035	8260B	50	01/01/2010 2238	RRH		24676	11.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	9.0	J	13	4.5	ug/kg	1
Benzene	71-43-2	8260B	ND		3.3	0.74	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.3	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.3	0.47	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.3	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.7	1.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	9.4		3.3	0.87	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.3	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.3	1.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.3	0.87	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.3	0.56	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.3	0.67	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.3	0.45	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.3	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.3	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.3	0.57	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	1.6	J	3.3	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.3	1.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.3	1.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.3	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.3	0.49	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.3	0.67	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.3	1.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	75		3.3	0.51	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	2.0	J	3.3	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.3	0.61	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.3	0.45	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.3	0.55	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.3	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.7	0.87	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.3	0.54	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.3	0.45	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.3	0.27	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.7	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	1.8	J	3.3	0.41	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.3	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		3.3	0.74	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.3	0.31	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.3	1.5	ug/kg	1
Toluene	108-88-3	8260B	1.6	J	3.3	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.3	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.3	1.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.3	0.57	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-004
Description: H15-SB03C(121809)-(34-35)
Matrix: Solid
Date Sampled: 12/18/2009 1115
% Solids: 80.1 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0414	MZ		24599	9.33
2	5035	8260B	50	01/01/2010 2238	RRH		24676	11.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.3	0.53	ug/kg	1
Trichloroethene	79-01-6	8260B	1200		140	53	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.3	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.3	0.58	ug/kg	1
Xylenes (total)	1330-20-7	8260B	2.4	J	3.3	1.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		64	53-142		117	53-142
Bromofluorobenzene		78	47-138		86	47-138
Toluene-d8		78	68-124		106	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-005
Description: H15-SB03C(121809)-(39-40)
Matrix: Solid
Date Sampled: 12/18/2009 1140
% Solids: 76.5 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	01/01/2010 2301	RRH		24676	13.50
3	5035	8260B	100	01/05/2010 1855	RRH		24773	13.50

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		480	160	ug/kg	2
Benzene	71-43-2	8260B	ND		120	27	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		120	41	ug/kg	2
Bromoform	75-25-2	8260B	ND		120	17	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		120	44	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND	H	480	120	ug/kg	3
Carbon disulfide	75-15-0	8260B	ND		120	31	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		120	44	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		120	41	ug/kg	2
Chloroethane	75-00-3	8260B	ND		120	31	ug/kg	2
Chloroform	67-66-3	8260B	ND		120	20	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		120	24	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		120	16	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		120	36	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		120	41	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		120	21	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		120	41	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		120	41	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		120	41	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		120	39	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		120	18	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		120	24	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		120	41	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	720		120	18	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		120	36	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		120	22	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		120	16	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		120	20	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		120	41	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		240	31	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND	H	240	39	ug/kg	3
Methyl acetate	79-20-9	8260B	ND		120	16	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		120	9.7	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		240	36	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		120	15	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		120	63	ug/kg	2
Styrene	100-42-5	8260B	ND		120	27	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		120	11	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		120	56	ug/kg	2
Toluene	108-88-3	8260B	ND		120	41	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		120	51	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		120	41	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		120	21	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-005
Description: H15-SB03C(121809)-(39-40)
Matrix: Solid
Date Sampled: 12/18/2009 1140
% Solids: 76.5 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	01/01/2010 2301	RRH		24676	13.50
3	5035	8260B	100	01/05/2010 1855	RRH		24773	13.50

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		120	19	ug/kg	2
Trichloroethene	79-01-6	8260B	13000	H	240	92	ug/kg	3
Trichlorofluoromethane	75-69-4	8260B	ND		120	36	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		120	21	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		120	70	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		129	53-142	H	115	53-142
Bromofluorobenzene		106	47-138	H	117	47-138
Toluene-d8		121	68-124	H	106	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-006
Description: H15-SB03C(121809)-(44-45)
Matrix: Solid
Date Sampled: 12/18/2009 1145
% Solids: 79.5 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0500	MZ		24599	8.69
2	5035	8260B	50	01/01/2010 2325	RRH		24676	9.78

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14	4.9	ug/kg	1
Benzene	71-43-2	8260B	ND		3.6	0.80	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.6	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.6	0.51	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.6	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.2	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	5.0		3.6	0.94	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.6	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.6	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.6	0.94	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.6	0.60	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.6	0.72	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.6	0.49	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.6	1.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.6	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.6	0.62	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.6	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.6	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.6	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.6	1.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	1.0	J	3.6	0.53	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.6	0.72	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	5.3		3.6	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	500		160	24	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	14		3.6	1.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.6	0.66	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.6	0.49	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.6	0.59	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.6	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.2	0.94	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.6	0.58	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.6	0.49	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.6	0.29	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.2	1.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.6	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.6	1.9	ug/kg	1
Styrene	100-42-5	8260B	ND		3.6	0.80	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.6	0.34	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.6	1.7	ug/kg	1
Toluene	108-88-3	8260B	1.6	J	3.6	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.6	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.6	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.6	0.62	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL20003-006
Description: H15-SB03C(121809)-(44-45)
Matrix: Solid
Date Sampled: 12/18/2009 1145
% Solids: 79.5 12/21/2009 1731
Date Received: 12/19/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/31/2009 0500	MZ		24599	8.69
2	5035	8260B	50	01/01/2010 2325	RRH		24676	9.78

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.6	0.57	ug/kg	1
Trichloroethene	79-01-6	8260B	2300		160	61	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.6	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	1.4	J	3.6	0.62	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.6	2.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		69	53-142		83	53-142
Bromofluorobenzene		82	47-138		60	47-138
Toluene-d8		81	68-124		73	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ24599-001
Batch: 24599
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/30/2009 2323
Benzene	ND		1	5.0	1.1	ug/kg	12/30/2009 2323
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Bromoform	ND		1	5.0	0.70	ug/kg	12/30/2009 2323
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/30/2009 2323
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/30/2009 2323
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/30/2009 2323
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/30/2009 2323
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Chloroethane	ND		1	5.0	1.3	ug/kg	12/30/2009 2323
Chloroform	ND		1	5.0	0.83	ug/kg	12/30/2009 2323
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/30/2009 2323
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/30/2009 2323
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/30/2009 2323
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/30/2009 2323
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/30/2009 2323
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/30/2009 2323
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/30/2009 2323
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/30/2009 2323
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/30/2009 2323
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/30/2009 2323
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
2-Hexanone	ND		1	10	1.3	ug/kg	12/30/2009 2323
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/30/2009 2323
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/30/2009 2323
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/30/2009 2323
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/30/2009 2323
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/30/2009 2323
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/30/2009 2323
Styrene	ND		1	5.0	1.1	ug/kg	12/30/2009 2323
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/30/2009 2323
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/30/2009 2323
Toluene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/30/2009 2323
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/30/2009 2323
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/30/2009 2323
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/30/2009 2323

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ24599-001
Batch: 24599
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/30/2009 2323
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/30/2009 2323
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/30/2009 2323
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/30/2009 2323

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		85	47-138
1,2-Dichloroethane-d4		70	53-142
Toluene-d8		82	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ24599-002
Batch: 24599
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	109	42-149	12/30/2009 2207
Benzene	50	49		1	97	69-123	12/30/2009 2207
Bromodichloromethane	50	54		1	107	69-121	12/30/2009 2207
Bromoform	50	53		1	107	61-119	12/30/2009 2207
Bromomethane (Methyl bromide)	50	48		1	95	35-144	12/30/2009 2207
2-Butanone (MEK)	100	96		1	96	57-148	12/30/2009 2207
Carbon disulfide	50	47		1	94	58-122	12/30/2009 2207
Carbon tetrachloride	50	46		1	92	58-136	12/30/2009 2207
Chlorobenzene	50	49		1	98	59-129	12/30/2009 2207
Chloroethane	50	48		1	97	50-132	12/30/2009 2207
Chloroform	50	52		1	104	71-125	12/30/2009 2207
Chloromethane (Methyl chloride)	50	41		1	81	34-134	12/30/2009 2207
Cyclohexane	50	44		1	88	53-139	12/30/2009 2207
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	117	55-125	12/30/2009 2207
Dibromochloromethane	50	53		1	106	66-119	12/30/2009 2207
1,2-Dibromoethane (EDB)	50	56		1	111	74-124	12/30/2009 2207
1,3-Dichlorobenzene	50	45		1	90	51-134	12/30/2009 2207
1,4-Dichlorobenzene	50	43		1	87	52-133	12/30/2009 2207
1,2-Dichlorobenzene	50	48		1	96	57-131	12/30/2009 2207
Dichlorodifluoromethane	50	54		1	109	10-157	12/30/2009 2207
1,2-Dichloroethane	50	52		1	105	67-129	12/30/2009 2207
1,1-Dichloroethane	50	50		1	100	71-127	12/30/2009 2207
trans-1,2-Dichloroethene	50	48		1	95	68-131	12/30/2009 2207
1,1-Dichloroethene	50	46		1	91	69-138	12/30/2009 2207
cis-1,2-Dichloroethene	50	51		1	102	70-122	12/30/2009 2207
1,2-Dichloropropane	50	51		1	102	72-124	12/30/2009 2207
cis-1,3-Dichloropropene	50	48		1	96	70-126	12/30/2009 2207
trans-1,3-Dichloropropene	50	50		1	101	70-124	12/30/2009 2207
Ethylbenzene	50	49		1	97	59-128	12/30/2009 2207
2-Hexanone	100	110		1	114	54-137	12/30/2009 2207
Isopropylbenzene	50	48		1	96	50-136	12/30/2009 2207
Methyl acetate	50	47		1	94	59-137	12/30/2009 2207
Methyl tertiary butyl ether (MTBE)	50	56		1	113	72-122	12/30/2009 2207
4-Methyl-2-pentanone	100	100		1	103	60-134	12/30/2009 2207
Methylcyclohexane	50	39		1	78	41-144	12/30/2009 2207
Methylene chloride	50	53		1	105	77-129	12/30/2009 2207
Styrene	50	48		1	95	54-136	12/30/2009 2207
1,1,2,2-Tetrachloroethane	50	52		1	105	69-132	12/30/2009 2207
Tetrachloroethene	50	42		1	84	70-130	12/30/2009 2207
Toluene	50	48		1	95	61-129	12/30/2009 2207
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	39		1	78	49-136	12/30/2009 2207
1,2,4-Trichlorobenzene	50	37		1	74	34-145	12/30/2009 2207
1,1,2-Trichloroethane	50	57		1	115	55-128	12/30/2009 2207
1,1,1-Trichloroethane	50	48		1	96	63-128	12/30/2009 2207

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ24599-002
Batch: 24599
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	62-126	12/30/2009 2207
Trichlorofluoromethane	50	45		1	90	45-138	12/30/2009 2207
Vinyl chloride	50	40		1	80	42-132	12/30/2009 2207
Xylenes (total)	100	96		1	96	58-128	12/30/2009 2207

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		72	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ24599-003
Batch: 24599
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	106	2.7	42-149	20	12/30/2009 2230
Benzene	50	48		1	96	1.1	69-123	20	12/30/2009 2230
Bromodichloromethane	50	54		1	108	0.26	69-121	20	12/30/2009 2230
Bromoform	50	53		1	106	0.99	61-119	20	12/30/2009 2230
Bromomethane (Methyl bromide)	50	50		1	100	5.1	35-144	20	12/30/2009 2230
2-Butanone (MEK)	100	99		1	99	2.7	57-148	20	12/30/2009 2230
Carbon disulfide	50	45		1	91	3.2	58-122	20	12/30/2009 2230
Carbon tetrachloride	50	45		1	89	3.1	58-136	20	12/30/2009 2230
Chlorobenzene	50	48		1	95	2.6	59-129	20	12/30/2009 2230
Chloroethane	50	47		1	93	3.5	50-132	20	12/30/2009 2230
Chloroform	50	51		1	101	2.9	71-125	20	12/30/2009 2230
Chloromethane (Methyl chloride)	50	40		1	79	2.2	34-134	20	12/30/2009 2230
Cyclohexane	50	42		1	83	6.0	53-139	20	12/30/2009 2230
1,2-Dibromo-3-chloropropane (DBCP)	50	61		1	122	4.3	55-125	20	12/30/2009 2230
Dibromochloromethane	50	52		1	105	1.5	66-119	20	12/30/2009 2230
1,2-Dibromoethane (EDB)	50	55		1	111	0.39	74-124	20	12/30/2009 2230
1,3-Dichlorobenzene	50	44		1	88	3.2	51-134	20	12/30/2009 2230
1,4-Dichlorobenzene	50	43		1	87	0.33	52-133	20	12/30/2009 2230
1,2-Dichlorobenzene	50	48		1	97	0.61	57-131	20	12/30/2009 2230
Dichlorodifluoromethane	50	53		1	106	3.0	10-157	20	12/30/2009 2230
1,2-Dichloroethane	50	52		1	104	0.58	67-129	20	12/30/2009 2230
1,1-Dichloroethane	50	49		1	98	2.8	71-127	20	12/30/2009 2230
trans-1,2-Dichloroethene	50	46		1	93	2.8	68-131	20	12/30/2009 2230
1,1-Dichloroethene	50	44		1	89	2.9	69-138	20	12/30/2009 2230
cis-1,2-Dichloroethene	50	50		1	100	1.4	70-122	20	12/30/2009 2230
1,2-Dichloropropane	50	51		1	102	0.57	72-124	20	12/30/2009 2230
cis-1,3-Dichloropropene	50	49		1	97	1.3	70-126	20	12/30/2009 2230
trans-1,3-Dichloropropene	50	49		1	99	1.9	70-124	20	12/30/2009 2230
Ethylbenzene	50	47		1	94	3.7	59-128	20	12/30/2009 2230
2-Hexanone	100	110		1	110	3.5	54-137	20	12/30/2009 2230
Isopropylbenzene	50	46		1	93	3.3	50-136	20	12/30/2009 2230
Methyl acetate	50	47		1	94	0.72	59-137	20	12/30/2009 2230
Methyl tertiary butyl ether (MTBE)	50	56		1	111	1.0	72-122	20	12/30/2009 2230
4-Methyl-2-pentanone	100	110		1	106	2.8	60-134	20	12/30/2009 2230
Methylcyclohexane	50	37		1	75	4.5	41-144	20	12/30/2009 2230
Methylene chloride	50	51		1	102	3.0	77-129	20	12/30/2009 2230
Styrene	50	47		1	94	1.2	54-136	20	12/30/2009 2230
1,1,2,2-Tetrachloroethane	50	53		1	106	1.3	69-132	20	12/30/2009 2230
Tetrachloroethene	50	40		1	79	5.5	70-130	20	12/30/2009 2230
Toluene	50	48		1	95	0.029	61-129	20	12/30/2009 2230
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	37		1	74	5.6	49-136	20	12/30/2009 2230
1,2,4-Trichlorobenzene	50	37		1	75	1.3	34-145	20	12/30/2009 2230
1,1,2-Trichloroethane	50	56		1	111	3.4	55-128	20	12/30/2009 2230
1,1,1-Trichloroethane	50	46		1	92	4.1	63-128	20	12/30/2009 2230

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ24599-003
Batch: 24599
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	99	1.2	62-126	20	12/30/2009 2230
Trichlorofluoromethane	50	44		1	88	2.5	45-138	20	12/30/2009 2230
Vinyl chloride	50	38		1	76	4.8	42-132	20	12/30/2009 2230
Xylenes (total)	100	93		1	93	3.2	58-128	20	12/30/2009 2230

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		74	53-142
Toluene-d8		88	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ24676-001
Batch: 24676
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	01/01/2010 2215
Benzene	ND		50	250	55	ug/kg	01/01/2010 2215
Bromodichloromethane	ND		50	250	85	ug/kg	01/01/2010 2215
Bromoform	ND		50	250	35	ug/kg	01/01/2010 2215
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	01/01/2010 2215
Carbon disulfide	ND		50	250	65	ug/kg	01/01/2010 2215
Carbon tetrachloride	ND		50	250	90	ug/kg	01/01/2010 2215
Chlorobenzene	ND		50	250	85	ug/kg	01/01/2010 2215
Chloroethane	ND		50	250	65	ug/kg	01/01/2010 2215
Chloroform	ND		50	250	42	ug/kg	01/01/2010 2215
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	01/01/2010 2215
Cyclohexane	ND		50	250	34	ug/kg	01/01/2010 2215
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	01/01/2010 2215
Dibromochloromethane	ND		50	250	85	ug/kg	01/01/2010 2215
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	01/01/2010 2215
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	01/01/2010 2215
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	01/01/2010 2215
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	01/01/2010 2215
Dichlorodifluoromethane	ND		50	250	80	ug/kg	01/01/2010 2215
1,1-Dichloroethane	ND		50	250	37	ug/kg	01/01/2010 2215
1,2-Dichloroethane	ND		50	250	50	ug/kg	01/01/2010 2215
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	01/01/2010 2215
1,1-Dichloroethene	ND		50	250	85	ug/kg	01/01/2010 2215
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	01/01/2010 2215
1,2-Dichloropropane	ND		50	250	46	ug/kg	01/01/2010 2215
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	01/01/2010 2215
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	01/01/2010 2215
Ethylbenzene	ND		50	250	85	ug/kg	01/01/2010 2215
2-Hexanone	ND		50	500	65	ug/kg	01/01/2010 2215
Methyl acetate	ND		50	250	34	ug/kg	01/01/2010 2215
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	01/01/2010 2215
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	01/01/2010 2215
Methylcyclohexane	ND		50	250	31	ug/kg	01/01/2010 2215
Methylene chloride	ND		50	250	130	ug/kg	01/01/2010 2215
Styrene	ND		50	250	55	ug/kg	01/01/2010 2215
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	01/01/2010 2215
Tetrachloroethene	ND		50	250	110	ug/kg	01/01/2010 2215
Toluene	ND		50	250	85	ug/kg	01/01/2010 2215
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	110	ug/kg	01/01/2010 2215
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	01/01/2010 2215
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	01/01/2010 2215
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	01/01/2010 2215
Trichloroethene	ND		50	250	95	ug/kg	01/01/2010 2215
Trichlorofluoromethane	ND		50	250	75	ug/kg	01/01/2010 2215

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ24676-001
Batch: 24676
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Vinyl chloride	ND		50	250	43	ug/kg	01/01/2010 2215
Xylenes (total)	ND		50	250	150	ug/kg	01/01/2010 2215

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		69	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		77	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ24676-002
Batch: 24676
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	2000	1300		50	67	42-149	01/01/2010 2042
Benzene	1000	690		50	69	69-123	01/01/2010 2042
Bromodichloromethane	1000	680	N	50	68	69-121	01/01/2010 2042
Bromoform	1000	630		50	63	61-119	01/01/2010 2042
Bromomethane (Methyl bromide)	1000	510		50	51	35-144	01/01/2010 2042
Carbon disulfide	1000	610		50	61	58-122	01/01/2010 2042
Carbon tetrachloride	1000	650		50	65	58-136	01/01/2010 2042
Chlorobenzene	1000	710		50	71	59-129	01/01/2010 2042
Chloroethane	1000	470	N	50	47	50-132	01/01/2010 2042
Chloroform	1000	680	N	50	68	71-125	01/01/2010 2042
Chloromethane (Methyl chloride)	1000	450		50	45	34-134	01/01/2010 2042
Cyclohexane	1000	670		50	67	53-139	01/01/2010 2042
1,2-Dibromo-3-chloropropane (DBCP)	1000	590		50	59	55-125	01/01/2010 2042
Dibromochloromethane	1000	670		50	67	66-119	01/01/2010 2042
1,2-Dibromoethane (EDB)	1000	680	N	50	68	74-124	01/01/2010 2042
1,2-Dichlorobenzene	1000	710		50	71	57-131	01/01/2010 2042
1,4-Dichlorobenzene	1000	700		50	70	52-133	01/01/2010 2042
1,3-Dichlorobenzene	1000	710		50	71	51-134	01/01/2010 2042
Dichlorodifluoromethane	1000	450		50	45	10-157	01/01/2010 2042
1,1-Dichloroethane	1000	670	N	50	67	71-127	01/01/2010 2042
1,2-Dichloroethane	1000	690		50	69	67-129	01/01/2010 2042
trans-1,2-Dichloroethene	1000	650	N	50	65	68-131	01/01/2010 2042
1,1-Dichloroethene	1000	620	N	50	62	69-138	01/01/2010 2042
cis-1,2-Dichloroethene	1000	670	N	50	67	70-122	01/01/2010 2042
1,2-Dichloropropane	1000	700	N	50	70	72-124	01/01/2010 2042
trans-1,3-Dichloropropene	1000	670	N	50	67	70-124	01/01/2010 2042
cis-1,3-Dichloropropene	1000	670	N	50	67	70-126	01/01/2010 2042
Ethylbenzene	1000	700		50	70	59-128	01/01/2010 2042
2-Hexanone	2000	1100	N	50	53	54-137	01/01/2010 2042
Methyl acetate	1000	680		50	68	59-137	01/01/2010 2042
Methyl tertiary butyl ether (MTBE)	1000	670	N	50	67	72-122	01/01/2010 2042
4-Methyl-2-pentanone	2000	1200	N	50	59	60-134	01/01/2010 2042
Methylcyclohexane	1000	640		50	64	41-144	01/01/2010 2042
Methylene chloride	1000	660	N	50	66	77-129	01/01/2010 2042
Styrene	1000	710		50	71	54-136	01/01/2010 2042
1,1,2,2-Tetrachloroethane	1000	710		50	71	69-132	01/01/2010 2042
Tetrachloroethene	1000	660	N	50	66	70-130	01/01/2010 2042
Toluene	1000	700		50	70	61-129	01/01/2010 2042
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	580		50	58	49-136	01/01/2010 2042
1,2,4-Trichlorobenzene	1000	640		50	64	34-145	01/01/2010 2042
1,1,1-Trichloroethane	1000	660		50	66	63-128	01/01/2010 2042
1,1,2-Trichloroethane	1000	740		50	74	55-128	01/01/2010 2042
Trichloroethene	1000	660		50	66	62-126	01/01/2010 2042
Trichlorofluoromethane	1000	620		50	62	45-138	01/01/2010 2042

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ24676-002
Batch: 24676
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	1000	600		50	60	42-132	01/01/2010 2042
Xylenes (total)	2000	1400		50	72	58-128	01/01/2010 2042

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		85	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ24676-003
Batch: 24676
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	2000	1500		50	74	9.4	42-149	20	01/01/2010 2105
Benzene	1000	750		50	75	8.1	69-123	20	01/01/2010 2105
Bromodichloromethane	1000	750		50	75	10	69-121	20	01/01/2010 2105
Bromoform	1000	720		50	72	13	61-119	20	01/01/2010 2105
Bromomethane (Methyl bromide)	1000	470		50	47	7.9	35-144	20	01/01/2010 2105
Carbon disulfide	1000	660		50	66	7.5	58-122	20	01/01/2010 2105
Carbon tetrachloride	1000	710		50	71	9.0	58-136	20	01/01/2010 2105
Chlorobenzene	1000	780		50	78	8.3	59-129	20	01/01/2010 2105
Chloroethane	1000	440	N	50	44	7.9	50-132	20	01/01/2010 2105
Chloroform	1000	750		50	75	8.6	71-125	20	01/01/2010 2105
Chloromethane (Methyl chloride)	1000	710	+	50	71	45	34-134	20	01/01/2010 2105
Cyclohexane	1000	730		50	73	7.9	53-139	20	01/01/2010 2105
1,2-Dibromo-3-chloropropane (DBCP)	1000	700		50	70	16	55-125	20	01/01/2010 2105
Dibromochloromethane	1000	760		50	76	12	66-119	20	01/01/2010 2105
1,2-Dibromoethane (EDB)	1000	780		50	78	14	74-124	20	01/01/2010 2105
1,2-Dichlorobenzene	1000	790		50	79	10	57-131	20	01/01/2010 2105
1,4-Dichlorobenzene	1000	770		50	77	10	52-133	20	01/01/2010 2105
1,3-Dichlorobenzene	1000	800		50	80	12	51-134	20	01/01/2010 2105
Dichlorodifluoromethane	1000	450		50	45	1.1	10-157	20	01/01/2010 2105
1,1-Dichloroethane	1000	730		50	73	8.5	71-127	20	01/01/2010 2105
1,2-Dichloroethane	1000	780		50	78	11	67-129	20	01/01/2010 2105
trans-1,2-Dichloroethene	1000	710		50	71	8.9	68-131	20	01/01/2010 2105
1,1-Dichloroethene	1000	680	N	50	68	8.8	69-138	20	01/01/2010 2105
cis-1,2-Dichloroethene	1000	720		50	72	8.2	70-122	20	01/01/2010 2105
1,2-Dichloropropane	1000	770		50	77	9.4	72-124	20	01/01/2010 2105
trans-1,3-Dichloropropene	1000	770		50	77	13	70-124	20	01/01/2010 2105
cis-1,3-Dichloropropene	1000	750		50	75	11	70-126	20	01/01/2010 2105
Ethylbenzene	1000	750		50	75	6.9	59-128	20	01/01/2010 2105
2-Hexanone	2000	1300		50	63	17	54-137	20	01/01/2010 2105
Methyl acetate	1000	760		50	76	11	59-137	20	01/01/2010 2105
Methyl tertiary butyl ether (MTBE)	1000	760		50	76	12	72-122	20	01/01/2010 2105
4-Methyl-2-pentanone	2000	1500	+	50	73	22	60-134	20	01/01/2010 2105
Methylcyclohexane	1000	690		50	69	7.6	41-144	20	01/01/2010 2105
Methylene chloride	1000	730	N	50	73	9.9	77-129	20	01/01/2010 2105
Styrene	1000	790		50	79	10	54-136	20	01/01/2010 2105
1,1,2,2-Tetrachloroethane	1000	830		50	83	15	69-132	20	01/01/2010 2105
Tetrachloroethene	1000	720		50	72	7.9	70-130	20	01/01/2010 2105
Toluene	1000	760		50	76	9.0	61-129	20	01/01/2010 2105
1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	620		50	62	7.2	49-136	20	01/01/2010 2105
1,2,4-Trichlorobenzene	1000	690		50	69	6.9	34-145	20	01/01/2010 2105
1,1,1-Trichloroethane	1000	720		50	72	8.5	63-128	20	01/01/2010 2105
1,1,2-Trichloroethane	1000	850		50	85	15	55-128	20	01/01/2010 2105
Trichloroethene	1000	710		50	71	7.7	62-126	20	01/01/2010 2105
Trichlorofluoromethane	1000	670		50	67	7.0	45-138	20	01/01/2010 2105

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ24676-003
Batch: 24676
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	1000	660		50	66	10	42-132	20	01/01/2010 2105
Xylenes (total)	2000	1600		50	78	8.1	58-128	20	01/01/2010 2105

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		86	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ24773-001
Batch: 24773
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
2-Butanone (MEK)	ND		50	500	120	ug/kg	01/01/2010 2215
Isopropylbenzene	ND		50	250	40	ug/kg	01/01/2010 2215
Trichloroethene	ND		50	250	95	ug/kg	01/01/2010 2215

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		69	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		77	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ24773-002
Batch: 24773
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2-Butanone (MEK)	2000	1300		50	63	57-148	01/01/2010 2042
Isopropylbenzene	1000	730		50	73	50-136	01/01/2010 2042
Trichloroethene	1000	660		50	66	62-126	01/01/2010 2042

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		85	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ24773-003
Batch: 24773
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
2-Butanone (MEK)	2000	1700	+	50	83	27	57-148	20	01/01/2010 2105
Isopropylbenzene	1000	810		50	81	10	50-136	20	01/01/2010 2105
Trichloroethene	1000	710		50	71	7.7	62-126	20	01/01/2010 2105

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		86	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY Chain of Custody Record

Number 101495

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282/scott.bostian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Dr. #300	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Josh Frizzell	Analysis (Attach list if more space is needed.)	
Project Name: HAA-15			

Project No.: GP08HAFS.H15B.DGOF1

P.O. No.:

Lot No.: KL2000

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 kit	8260 VOC	Remarks / Cooler I.D.
H15-SEP01(1218@9)-(22-23)	12-18-09	0945	G		X							X	5	
H15-SEP01(1218@9)-(38-39)	12-18-09	0950	G		X							X	5	
H15-SEP01(1218@9)-(44-45)	12-18-09	1000	G		X							X	5	
H15-SB03C(1218@9)-(34-35)	12-18-09	1115	G		X							X	5	
H15-SB03C(1218@9)-(39-40)	12-18-09	1140	G		X							X	5	
H15-SB03C(1218@9)-(44-45)	12-18-09	1145	G		X							X	5	

3 DF

12-18-2009

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	12-18-09	1500	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by: FEDEX	12/19/09	1000	3. Laboratory received by	12/19/09	1000

Comments:

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack

Receipt Temp. 5.1 °C

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1
SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: DMP / 12/20/07 Lot #: KL20008

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☒	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☒	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 5 / ___ °C ___ / ___ °C ___ / ___ °C ___ / ___ °C
___ / ___ °C ___ / ___ °C ___ / ___ °C ___ / ___ °C

Method: ☐ Temperature Blank ☒ Against Bottles
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☒	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☒	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☒	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☒	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☒	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☒	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☒	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☒	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☒	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☒	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly, in sample receiving with: _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Chase Forman

Project Name: HAA-15

Project Number: GP08HAFS.H15B.DG0F1

Lot Number: LE14026

Date Completed: 05/19/2010



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* L E 1 4 0 2 6 *

Case Narrative
ARCADIS U.S., Inc.
Lot Number: LE14026

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The LCS recovery for Carbon tetrachloride and Cyclohexane was outside method control limits in batch 33911. The LCSD results were within limits. Therefore the associated sample results were reported and no corrective action was required.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: LE14026

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-05C (051310)	Aqueous	05/13/2010 1021	05/14/2010
002	H15-MW-06C (051310)	Aqueous	05/13/2010 0735	05/14/2010
003	H15-MW-07B (051310)	Aqueous	05/13/2010 1115	05/14/2010
004	H15-MW-07C (051310)	Aqueous	05/13/2010 1145	05/14/2010
005	DUP-1 (051310)	Aqueous	05/13/2010 1120	05/14/2010
006	TRIP BLANK	Aqueous	05/13/2010	05/14/2010

(6 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: LE14026

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-05C (051310)	Aqueous	Acetone	8260B	1.2	J	ug/L	5
001	H15-MW-05C (051310)	Aqueous	Carbon disulfide	8260B	0.31	J	ug/L	5
001	H15-MW-05C (051310)	Aqueous	cis-1,2-Dichloroethene	8260B	0.29	J	ug/L	5
001	H15-MW-05C (051310)	Aqueous	Trichloroethene	8260B	1.6		ug/L	6
002	H15-MW-06C (051310)	Aqueous	Acetone	8260B	2.2	J	ug/L	7
002	H15-MW-06C (051310)	Aqueous	Carbon disulfide	8260B	0.33	J	ug/L	7
002	H15-MW-06C (051310)	Aqueous	Toluene	8260B	0.22	J	ug/L	7
003	H15-MW-07B (051310)	Aqueous	Acetone	8260B	2.2	J	ug/L	9
003	H15-MW-07B (051310)	Aqueous	Carbon disulfide	8260B	0.31	J	ug/L	9
003	H15-MW-07B (051310)	Aqueous	cis-1,2-Dichloroethene	8260B	0.65		ug/L	9
004	H15-MW-07C (051310)	Aqueous	Acetone	8260B	6.5	J	ug/L	11
004	H15-MW-07C (051310)	Aqueous	Carbon disulfide	8260B	0.14	J	ug/L	11
004	H15-MW-07C (051310)	Aqueous	Chloroform	8260B	1.3		ug/L	11
004	H15-MW-07C (051310)	Aqueous	4-Methyl-2-pentanone	8260B	0.46	J	ug/L	11
004	H15-MW-07C (051310)	Aqueous	Toluene	8260B	0.51		ug/L	11
005	DUP-1 (051310)	Aqueous	Acetone	8260B	7.2	J	ug/L	13
005	DUP-1 (051310)	Aqueous	Carbon disulfide	8260B	3.3		ug/L	13
005	DUP-1 (051310)	Aqueous	cis-1,2-Dichloroethene	8260B	0.40	J	ug/L	13
005	DUP-1 (051310)	Aqueous	2-Hexanone	8260B	0.27	J	ug/L	13
005	DUP-1 (051310)	Aqueous	Toluene	8260B	0.39	J	ug/L	13

(20 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-001
Description: H15-MW-05C (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1021
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0205	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	1.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.31	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.29	J	0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-001
Description: H15-MW-05C (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1021
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0205	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	1.6		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		85	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-002
Description: H15-MW-06C (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 0735
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0226	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.33	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	0.22	J	0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-002
Description: H15-MW-06C (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 0735
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0226	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-003
Description: H15-MW-07B (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1115
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0247	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.31	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.65		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-003
Description: H15-MW-07B (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1115
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0247	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-004
Description: H15-MW-07C (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1145
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0308	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	6.5	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.14	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	1.3		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	0.46	J	10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	0.51		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-004
Description: H15-MW-07C (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1145
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0308	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-005
Description: DUP-1 (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1120
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0330	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	7.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	3.3		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.40	J	0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	0.27	J	10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	0.39	J	0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-005
Description: DUP-1 (051310)
Matrix: Aqueous
Date Sampled: 05/13/2010 1120
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0330	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-006
Description: TRIP BLANK
Matrix: Aqueous
Date Sampled: 05/13/2010
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0351	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LE14026-006
Description: TRIP BLANK
Matrix: Aqueous
Date Sampled: 05/13/2010
Date Received: 05/14/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2010 0351	DLB		33911

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ33911-001
Batch: 33911
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	05/18/2010 2303
Benzene	ND		1	0.50	0.027	ug/L	05/18/2010 2303
Bromodichloromethane	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Bromoform	ND		1	0.50	0.010	ug/L	05/18/2010 2303
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	05/18/2010 2303
2-Butanone (MEK)	ND		1	10	2.0	ug/L	05/18/2010 2303
Carbon disulfide	ND		1	0.50	0.097	ug/L	05/18/2010 2303
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	05/18/2010 2303
Chlorobenzene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Chloroethane	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Chloroform	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Cyclohexane	ND		1	0.50	0.30	ug/L	05/18/2010 2303
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	05/18/2010 2303
Dibromochloromethane	ND		1	0.50	0.17	ug/L	05/18/2010 2303
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	05/18/2010 2303
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	05/18/2010 2303
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	05/18/2010 2303
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	05/18/2010 2303
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	05/18/2010 2303
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	05/18/2010 2303
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	05/18/2010 2303
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	05/18/2010 2303
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	05/18/2010 2303
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	05/18/2010 2303
Ethylbenzene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
2-Hexanone	ND		1	10	0.27	ug/L	05/18/2010 2303
Isopropylbenzene	ND		1	0.50	0.029	ug/L	05/18/2010 2303
Methyl acetate	ND		1	1.0	0.30	ug/L	05/18/2010 2303
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	05/18/2010 2303
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	05/18/2010 2303
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/18/2010 2303
Methylene chloride	ND		1	0.50	0.17	ug/L	05/18/2010 2303
Styrene	ND		1	0.50	0.015	ug/L	05/18/2010 2303
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	05/18/2010 2303
Tetrachloroethene	ND		1	0.50	0.014	ug/L	05/18/2010 2303
Toluene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	05/18/2010 2303
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	05/18/2010 2303
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	05/18/2010 2303
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	05/18/2010 2303

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ33911-001
Batch: 33911
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	05/18/2010 2303
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	05/18/2010 2303
Vinyl chloride	ND		1	0.50	0.065	ug/L	05/18/2010 2303
Xylenes (total)	ND		1	0.50	0.17	ug/L	05/18/2010 2303

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		72	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ33911-002
Batch: 33911
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	70		1	70	46-153	05/18/2010 2138
Benzene	50	41		1	82	70-130	05/18/2010 2138
Bromodichloromethane	50	41		1	82	70-130	05/18/2010 2138
Bromoform	50	40		1	79	70-130	05/18/2010 2138
Bromomethane (Methyl bromide)	50	45		1	91	60-140	05/18/2010 2138
2-Butanone (MEK)	100	81		1	81	60-140	05/18/2010 2138
Carbon disulfide	50	39		1	78	60-140	05/18/2010 2138
Carbon tetrachloride	50	34	N	1	67	70-130	05/18/2010 2138
Chlorobenzene	50	44		1	89	70-130	05/18/2010 2138
Chloroethane	50	43		1	86	42-163	05/18/2010 2138
Chloroform	50	37		1	75	70-130	05/18/2010 2138
Chloromethane (Methyl chloride)	50	44		1	87	20-158	05/18/2010 2138
Cyclohexane	50	34	N	1	67	70-130	05/18/2010 2138
1,2-Dibromo-3-chloropropane (DBCP)	50	40		1	81	70-130	05/18/2010 2138
Dibromochloromethane	50	41		1	81	70-130	05/18/2010 2138
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	05/18/2010 2138
1,3-Dichlorobenzene	50	45		1	91	70-130	05/18/2010 2138
1,4-Dichlorobenzene	50	46		1	91	70-130	05/18/2010 2138
1,2-Dichlorobenzene	50	46		1	93	70-130	05/18/2010 2138
Dichlorodifluoromethane	50	41		1	82	60-140	05/18/2010 2138
1,1-Dichloroethane	50	36		1	72	70-130	05/18/2010 2138
1,2-Dichloroethane	50	35		1	71	70-130	05/18/2010 2138
cis-1,2-Dichloroethene	50	38		1	76	70-130	05/18/2010 2138
trans-1,2-Dichloroethene	50	40		1	81	70-130	05/18/2010 2138
1,1-Dichloroethene	50	39		1	77	70-130	05/18/2010 2138
1,2-Dichloropropane	50	41		1	82	70-130	05/18/2010 2138
trans-1,3-Dichloropropene	50	41		1	82	70-130	05/18/2010 2138
cis-1,3-Dichloropropene	50	42		1	85	70-130	05/18/2010 2138
Ethylbenzene	50	45		1	89	70-130	05/18/2010 2138
2-Hexanone	100	85		1	85	60-140	05/18/2010 2138
Isopropylbenzene	50	47		1	95	70-130	05/18/2010 2138
Methyl acetate	50	37		1	74	15-128	05/18/2010 2138
Methyl tertiary butyl ether (MTBE)	50	39		1	79	70-130	05/18/2010 2138
4-Methyl-2-pentanone	100	80		1	80	60-140	05/18/2010 2138
Methylcyclohexane	50	44		1	88	70-130	05/18/2010 2138
Methylene chloride	50	40		1	80	70-130	05/18/2010 2138
Styrene	50	55		1	109	70-130	05/18/2010 2138
1,1,2,2-Tetrachloroethane	50	48		1	97	70-130	05/18/2010 2138
Tetrachloroethene	50	46		1	91	70-130	05/18/2010 2138
Toluene	50	44		1	88	70-130	05/18/2010 2138
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	37		1	74	70-130	05/18/2010 2138
1,2,4-Trichlorobenzene	50	47		1	94	70-130	05/18/2010 2138
1,1,1-Trichloroethane	50	36		1	72	70-130	05/18/2010 2138
1,1,2-Trichloroethane	50	43		1	87	70-130	05/18/2010 2138

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ33911-002
Batch: 33911
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	41		1	83	70-130	05/18/2010 2138
Trichlorofluoromethane	50	38		1	75	60-140	05/18/2010 2138
Vinyl chloride	50	45		1	90	60-140	05/18/2010 2138
Xylenes (total)	100	94		1	94	70-130	05/18/2010 2138

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		76	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ33911-003
Batch: 33911
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	74		1	74	5.4	46-153	20	05/18/2010 2159
Benzene	50	48		1	95	15	70-130	20	05/18/2010 2159
Bromodichloromethane	50	47		1	93	12	70-130	20	05/18/2010 2159
Bromoform	50	45		1	89	12	70-130	20	05/18/2010 2159
Bromomethane (Methyl bromide)	50	51		1	103	12	60-140	20	05/18/2010 2159
2-Butanone (MEK)	100	87		1	87	8.1	60-140	20	05/18/2010 2159
Carbon disulfide	50	45		1	89	14	60-140	20	05/18/2010 2159
Carbon tetrachloride	50	39		1	78	15	70-130	20	05/18/2010 2159
Chlorobenzene	50	51		1	102	14	70-130	20	05/18/2010 2159
Chloroethane	50	48		1	97	11	42-163	20	05/18/2010 2159
Chloroform	50	42		1	85	12	70-130	20	05/18/2010 2159
Chloromethane (Methyl chloride)	50	51		1	103	16	20-158	20	05/18/2010 2159
Cyclohexane	50	39		1	78	14	70-130	20	05/18/2010 2159
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	97	18	70-130	20	05/18/2010 2159
Dibromochloromethane	50	47		1	94	15	70-130	20	05/18/2010 2159
1,2-Dibromoethane (EDB)	50	56		1	112	13	70-130	20	05/18/2010 2159
1,3-Dichlorobenzene	50	52		1	104	13	70-130	20	05/18/2010 2159
1,4-Dichlorobenzene	50	52		1	103	12	70-130	20	05/18/2010 2159
1,2-Dichlorobenzene	50	52		1	103	11	70-130	20	05/18/2010 2159
Dichlorodifluoromethane	50	48		1	96	16	60-140	20	05/18/2010 2159
1,1-Dichloroethane	50	41		1	82	13	70-130	20	05/18/2010 2159
1,2-Dichloroethane	50	40		1	79	11	70-130	20	05/18/2010 2159
cis-1,2-Dichloroethene	50	43		1	86	12	70-130	20	05/18/2010 2159
trans-1,2-Dichloroethene	50	44		1	88	9.4	70-130	20	05/18/2010 2159
1,1-Dichloroethene	50	44		1	88	13	70-130	20	05/18/2010 2159
1,2-Dichloropropane	50	45		1	91	10	70-130	20	05/18/2010 2159
trans-1,3-Dichloropropene	50	48		1	96	16	70-130	20	05/18/2010 2159
cis-1,3-Dichloropropene	50	49		1	98	15	70-130	20	05/18/2010 2159
Ethylbenzene	50	52		1	104	15	70-130	20	05/18/2010 2159
2-Hexanone	100	94		1	94	9.9	60-140	20	05/18/2010 2159
Isopropylbenzene	50	55		1	111	16	70-130	20	05/18/2010 2159
Methyl acetate	50	39		1	78	5.7	15-128	20	05/18/2010 2159
Methyl tertiary butyl ether (MTBE)	50	42		1	85	7.7	70-130	20	05/18/2010 2159
4-Methyl-2-pentanone	100	89		1	89	11	60-140	20	05/18/2010 2159
Methylcyclohexane	50	50		1	101	13	70-130	20	05/18/2010 2159
Methylene chloride	50	43		1	85	6.5	70-130	20	05/18/2010 2159
Styrene	50	56		1	113	3.1	70-130	20	05/18/2010 2159
1,1,2,2-Tetrachloroethane	50	54		1	108	11	70-130	20	05/18/2010 2159
Tetrachloroethene	50	57	+	1	115	23	70-130	20	05/18/2010 2159
Toluene	50	48		1	97	9.8	70-130	20	05/18/2010 2159
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	83	13	70-130	20	05/18/2010 2159
1,2,4-Trichlorobenzene	50	54		1	109	15	70-130	20	05/18/2010 2159
1,1,1-Trichloroethane	50	41		1	81	12	70-130	20	05/18/2010 2159
1,1,2-Trichloroethane	50	51		1	102	17	70-130	20	05/18/2010 2159

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ33911-003
Batch: 33911
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	98	17	70-130	20	05/18/2010 2159
Trichlorofluoromethane	50	42		1	85	12	60-140	20	05/18/2010 2159
Vinyl chloride	50	51		1	103	13	60-140	20	05/18/2010 2159
Xylenes (total)	100	100		1	105	10	70-130	20	05/18/2010 2159

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		78	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 106136

Client: ARCADIS	Report to Contact: C. Fomen	Telephone No. / Fax No. / E-mail: 919-854-1282 / -5448 / cfomen@arcadis-us.com	Quote No.
Address: 801 Corporate Center Drive	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Chase Fomen	Analysis (Attach list if more space is needed.)	
Project Name: HAA-15			
Project No.: EPOBHAFS.H15B.D6#FI	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Soils	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	Na2S2O3	VOCs-8260B	Lot No. / Remarks / Cooler I.D.
H15-MW-05C (051310)	5/13/10	1021	G	X						6		COC	X	MS / MSD
H15-MW-06C (051310)		0735	C	X						3			X	
H15-MW-07B (051310)		1115	G	X						3			X	
H15-MW-07C (051310)		1145	G	X						3			X	
DUP-1 (051310)		1120	G	X						3			X	
Trip Blank	↓	—	—	X						2			X	

Lot No.: LK14076

Possible Hazard Identification: X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client X Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): X Standard ☐ Push (Specify): 1 week TAT

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	5/13/10	1300	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by: FEDEX 5/14/10		0827	3. Laboratory received by	5/14/10	0827

Comments:

LAB USE ONLY
Received on Ice (Circle): (Yes) No Ice Pack
Receipt Temp. 1.3 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1
SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: BAL / 5/14/10 Lot #: LK14024

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	NA ☒	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☒	2. If custody seals were present, were they intact and unbroken?

5/14/10
5/14/10

Cooler ID/temperature upon receipt 4.3 °C / °C / °C / °C
/ °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☑	No ☐	NA ☐	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:
Was client notified: Yes ☐ No ☐
SESI employee: _____
Comments: _____

Fed Ex this portion can be removed for Recipient's records.

Date 5-13-10 FedEx Tracking Number 862587233481

Sender's Name C. Fennac Phone 770 431-8666

Company ARCADIS

Address 3840 PACES FERRY RD SE STE 400 Dept/Floor/Suite/Room

City ATLANTA State GA ZIP 30339-3769

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Chase Forman

Project Name: Hunter Stewart HAA15

Project Number: GP08HAFS.H15B.DG0F1

Lot Number: LD13007

Date Completed: 04/19/2010



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* L D 1 3 0 0 7 *

Case Narrative
ARCADIS U.S., Inc.
Lot Number: LD13007

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: LD13007

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-03B (041210)	Aqueous	04/12/2010 1230	04/13/2010
002	H15-MW-03C (041210)	Aqueous	04/12/2010 1400	04/13/2010
003	XX-13 (041210)	Aqueous	04/12/2010 1145	04/13/2010
004	H15-MW-04C (041210)	Aqueous	04/12/2010 1445	04/13/2010
005	H15-MW-02C (041210)	Aqueous	04/12/2010 1540	04/13/2010
006	DUP-1 (041210)	Aqueous	04/12/2010 1405	04/13/2010
007	TB-1 (041210)	Aqueous	04/13/2010 0825	04/13/2010

(7 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: LD13007

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-03B (041210)	Aqueous	Acetone	8260B	9.2	J	ug/L	6
001	H15-MW-03B (041210)	Aqueous	Benzene	8260B	0.22	J	ug/L	6
001	H15-MW-03B (041210)	Aqueous	Carbon disulfide	8260B	0.27	J	ug/L	6
001	H15-MW-03B (041210)	Aqueous	Chloroform	8260B	0.99		ug/L	6
001	H15-MW-03B (041210)	Aqueous	Chloromethane (Methyl chloride)	8260B	0.26	J	ug/L	6
001	H15-MW-03B (041210)	Aqueous	1,2-Dichlorobenzene	8260B	0.37	J	ug/L	6
001	H15-MW-03B (041210)	Aqueous	trans-1,2-Dichloroethene	8260B	0.55		ug/L	6
001	H15-MW-03B (041210)	Aqueous	cis-1,2-Dichloroethene	8260B	120		ug/L	6
001	H15-MW-03B (041210)	Aqueous	Ethylbenzene	8260B	1.6		ug/L	6
001	H15-MW-03B (041210)	Aqueous	Isopropylbenzene	8260B	1.4		ug/L	6
001	H15-MW-03B (041210)	Aqueous	Toluene	8260B	0.54		ug/L	6
001	H15-MW-03B (041210)	Aqueous	Trichloroethene	8260B	5.0		ug/L	7
001	H15-MW-03B (041210)	Aqueous	Vinyl chloride	8260B	1.0		ug/L	7
001	H15-MW-03B (041210)	Aqueous	Xylenes (total)	8260B	0.82		ug/L	7
002	H15-MW-03C (041210)	Aqueous	Acetone	8260B	6.9	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	Benzene	8260B	0.77	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	Carbon disulfide	8260B	0.70	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	Chloroform	8260B	0.41	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	trans-1,2-Dichloroethene	8260B	1.6		ug/L	8
002	H15-MW-03C (041210)	Aqueous	1,1-Dichloroethene	8260B	0.32	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	cis-1,2-Dichloroethene	8260B	400		ug/L	8
002	H15-MW-03C (041210)	Aqueous	Ethylbenzene	8260B	1.1		ug/L	8
002	H15-MW-03C (041210)	Aqueous	Isopropylbenzene	8260B	0.71	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	Methylene chloride	8260B	0.52	BJ	ug/L	8
002	H15-MW-03C (041210)	Aqueous	Styrene	8260B	4.7		ug/L	8
002	H15-MW-03C (041210)	Aqueous	Toluene	8260B	0.70	J	ug/L	8
002	H15-MW-03C (041210)	Aqueous	Trichloroethene	8260B	79		ug/L	9
002	H15-MW-03C (041210)	Aqueous	Vinyl chloride	8260B	2.4		ug/L	9
002	H15-MW-03C (041210)	Aqueous	Xylenes (total)	8260B	0.35	J	ug/L	9
003	XX-13 (041210)	Aqueous	Acetone	8260B	4.1	J	ug/L	10
004	H15-MW-04C (041210)	Aqueous	Acetone	8260B	4.1	J	ug/L	12
004	H15-MW-04C (041210)	Aqueous	Benzene	8260B	0.20	J	ug/L	12
004	H15-MW-04C (041210)	Aqueous	Chloroethane	8260B	0.34	J	ug/L	12
004	H15-MW-04C (041210)	Aqueous	trans-1,2-Dichloroethene	8260B	0.34	J	ug/L	12
004	H15-MW-04C (041210)	Aqueous	cis-1,2-Dichloroethene	8260B	9.8		ug/L	12
004	H15-MW-04C (041210)	Aqueous	Trichloroethene	8260B	2.2		ug/L	13
005	H15-MW-02C (041210)	Aqueous	trans-1,2-Dichloroethene	8260B	49	J	ug/L	14
005	H15-MW-02C (041210)	Aqueous	1,1-Dichloroethene	8260B	37	J	ug/L	14
005	H15-MW-02C (041210)	Aqueous	cis-1,2-Dichloroethene	8260B	2700		ug/L	14
005	H15-MW-02C (041210)	Aqueous	Methylene chloride	8260B	24	BJ	ug/L	14
005	H15-MW-02C (041210)	Aqueous	Trichloroethene	8260B	32000		ug/L	15
006	DUP-1 (041210)	Aqueous	Acetone	8260B	6.1	J	ug/L	16
006	DUP-1 (041210)	Aqueous	Benzene	8260B	0.75	J	ug/L	16
006	DUP-1 (041210)	Aqueous	Carbon disulfide	8260B	0.70	J	ug/L	16
006	DUP-1 (041210)	Aqueous	Chloroform	8260B	0.38	J	ug/L	16

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	DUP-1 (041210)	Aqueous	trans-1,2-Dichloroethene	8260B	1.5		ug/L	16
006	DUP-1 (041210)	Aqueous	1,1-Dichloroethene	8260B	0.28	J	ug/L	16
006	DUP-1 (041210)	Aqueous	cis-1,2-Dichloroethene	8260B	410		ug/L	16
006	DUP-1 (041210)	Aqueous	Ethylbenzene	8260B	0.96	J	ug/L	16
006	DUP-1 (041210)	Aqueous	Isopropylbenzene	8260B	0.71	J	ug/L	16
006	DUP-1 (041210)	Aqueous	Methylene chloride	8260B	0.48	BJ	ug/L	16
006	DUP-1 (041210)	Aqueous	Styrene	8260B	4.7		ug/L	16
006	DUP-1 (041210)	Aqueous	Toluene	8260B	0.43	J	ug/L	16
006	DUP-1 (041210)	Aqueous	Trichloroethene	8260B	78		ug/L	17
006	DUP-1 (041210)	Aqueous	Vinyl chloride	8260B	2.2		ug/L	17

(55 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-001
Description: H15-MW-03B (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1230
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0505	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	9.2	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	0.22	J	0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.27	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	0.99		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	0.26	J	0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	0.37	J	0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	0.55		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	120		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	1.6		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	1.4		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	0.54		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-001
Description: H15-MW-03B (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1230
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0505	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	5.0		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	1.0		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.82		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: H15-MW-03C (041210)
Date Sampled: 04/12/2010 1400
Date Received: 04/13/2010

Laboratory ID: LD13007-002
Matrix: Aqueous

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2	04/16/2010 1836	LBS		31615

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	6.9	J	20	0.12	ug/L	1
Benzene	71-43-2	8260B	0.77	J	1.0	0.054	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.34	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.020	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	0.41	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		20	4.1	ug/L	1
Carbon disulfide	75-15-0	8260B	0.70	J	1.0	0.19	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.17	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.34	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	0.34	ug/L	1
Chloroform	67-66-3	8260B	0.41	J	1.0	0.34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	0.60	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.14	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.12	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.34	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	0.14	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.11	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.047	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	1.6		1.0	0.16	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.32	J	1.0	0.19	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	400		1.0	0.17	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.16	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.36	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.18	ug/L	1
Ethylbenzene	100-41-4	8260B	1.1		1.0	0.34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		20	0.55	ug/L	1
Isopropylbenzene	98-82-8	8260B	0.71	J	1.0	0.058	ug/L	1
Methyl acetate	79-20-9	8260B	ND		2.0	0.60	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.038	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		20	0.62	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		10	1.9	ug/L	1
Methylene chloride	75-09-2	8260B	0.52	BJ	1.0	0.34	ug/L	1
Styrene	100-42-5	8260B	4.7		1.0	0.030	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.026	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.029	ug/L	1
Toluene	108-88-3	8260B	0.70	J	1.0	0.34	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	0.60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.058	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.062	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-002
Description: H15-MW-03C (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1400
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2	04/16/2010 1836	LBS		31615

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	79		1.0	0.049	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.10	ug/L	1
Vinyl chloride	75-01-4	8260B	2.4		1.0	0.13	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.35	J	1.0	0.34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-003
Description: XX-13 (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1145
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0526	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	4.1	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-003
Description: XX-13 (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1145
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0526	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-004
Description: H15-MW-04C (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1445
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0547	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	4.1	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	0.20	J	0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	0.34	J	0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	0.34	J	0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	9.8		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-004
Description: H15-MW-04C (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1445
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0547	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.2		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-005
Description: H15-MW-02C (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1540
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	04/17/2010 0802	LBS		31703

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	6.1	ug/L	1
Benzene	71-43-2	8260B	ND		50	2.7	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		50	17	ug/L	1
Bromoform	75-25-2	8260B	ND		50	1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		50	20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		1000	200	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	9.7	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	8.5	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		50	17	ug/L	1
Chloroethane	75-00-3	8260B	ND		50	17	ug/L	1
Chloroform	67-66-3	8260B	ND		50	17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		50	30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		50	6.9	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		50	6.1	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		50	7.1	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		50	5.4	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	2.3	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	49	J	50	7.9	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	37	J	50	9.4	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	2700		50	8.7	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	8.1	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	9.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		1000	27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		50	2.9	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	1.9	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1000	31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		500	95	ug/L	1
Methylene chloride	75-09-2	8260B	24	BJ	50	17	ug/L	1
Styrene	100-42-5	8260B	ND		50	1.5	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	1.3	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		50	1.4	ug/L	1
Toluene	108-88-3	8260B	ND		50	17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		50	30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		50	17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50	2.9	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	3.1	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-005
Description: H15-MW-02C (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1540
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	04/17/2010 0802	LBS		31703

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	32000		50	2.4	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		50	5.1	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		50	6.5	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		50	17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: DUP-1 (041210)
Date Sampled: 04/12/2010 1405
Date Received: 04/13/2010

Laboratory ID: LD13007-006
Matrix: Aqueous

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2	04/16/2010 1858	LBS		31615

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	6.1	J	20	0.12	ug/L	1
Benzene	71-43-2	8260B	0.75	J	1.0	0.054	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.34	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.020	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1.0	0.41	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		20	4.1	ug/L	1
Carbon disulfide	75-15-0	8260B	0.70	J	1.0	0.19	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.17	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.34	ug/L	1
Chloroethane	75-00-3	8260B	ND		1.0	0.34	ug/L	1
Chloroform	67-66-3	8260B	0.38	J	1.0	0.34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	0.60	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.14	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.12	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.34	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1.0	0.14	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.11	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.047	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	1.5		1.0	0.16	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.28	J	1.0	0.19	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	410		1.0	0.17	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.16	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.36	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.18	ug/L	1
Ethylbenzene	100-41-4	8260B	0.96	J	1.0	0.34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		20	0.55	ug/L	1
Isopropylbenzene	98-82-8	8260B	0.71	J	1.0	0.058	ug/L	1
Methyl acetate	79-20-9	8260B	ND		2.0	0.60	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.038	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		20	0.62	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		10	1.9	ug/L	1
Methylene chloride	75-09-2	8260B	0.48	BJ	1.0	0.34	ug/L	1
Styrene	100-42-5	8260B	4.7		1.0	0.030	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.026	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.029	ug/L	1
Toluene	108-88-3	8260B	0.43	J	1.0	0.34	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	0.60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.058	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.062	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-006
Description: DUP-1 (041210)
Matrix: Aqueous
Date Sampled: 04/12/2010 1405
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2	04/16/2010 1858	LBS		31615

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	78		1.0	0.049	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.10	ug/L	1
Vinyl chloride	75-01-4	8260B	2.2		1.0	0.13	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-007
Description: TB-1 (041210)
Matrix: Aqueous
Date Sampled: 04/13/2010 0825
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0608	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LD13007-007
Description: TB-1 (041210)
Matrix: Aqueous
Date Sampled: 04/13/2010 0825
Date Received: 04/13/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/16/2010 0608	DLB		31618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ31615-001
Batch: 31615
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	04/16/2010 1116
Benzene	ND		1	0.50	0.027	ug/L	04/16/2010 1116
Bromodichloromethane	ND		1	0.50	0.17	ug/L	04/16/2010 1116
Bromoform	ND		1	0.50	0.010	ug/L	04/16/2010 1116
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	04/16/2010 1116
2-Butanone (MEK)	ND		1	10	2.0	ug/L	04/16/2010 1116
Carbon disulfide	ND		1	0.50	0.097	ug/L	04/16/2010 1116
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	04/16/2010 1116
Chlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
Chloroethane	ND		1	0.50	0.17	ug/L	04/16/2010 1116
Chloroform	ND		1	0.50	0.17	ug/L	04/16/2010 1116
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	04/16/2010 1116
Cyclohexane	ND		1	0.50	0.30	ug/L	04/16/2010 1116
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	04/16/2010 1116
Dibromochloromethane	ND		1	0.50	0.17	ug/L	04/16/2010 1116
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	04/16/2010 1116
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	04/16/2010 1116
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	04/16/2010 1116
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	04/16/2010 1116
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	04/16/2010 1116
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	04/16/2010 1116
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	04/16/2010 1116
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	04/16/2010 1116
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	04/16/2010 1116
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	04/16/2010 1116
Ethylbenzene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
2-Hexanone	ND		1	10	0.27	ug/L	04/16/2010 1116
Isopropylbenzene	ND		1	0.50	0.029	ug/L	04/16/2010 1116
Methyl acetate	ND		1	1.0	0.30	ug/L	04/16/2010 1116
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	04/16/2010 1116
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	04/16/2010 1116
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/16/2010 1116
Methylene chloride	0.23	J	1	0.50	0.17	ug/L	04/16/2010 1116
Styrene	ND		1	0.50	0.015	ug/L	04/16/2010 1116
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	04/16/2010 1116
Tetrachloroethene	ND		1	0.50	0.014	ug/L	04/16/2010 1116
Toluene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	04/16/2010 1116
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 1116
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	04/16/2010 1116
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	04/16/2010 1116

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ31615-001
Batch: 31615
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	04/16/2010 1116
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	04/16/2010 1116
Vinyl chloride	ND		1	0.50	0.065	ug/L	04/16/2010 1116
Xylenes (total)	ND		1	0.50	0.17	ug/L	04/16/2010 1116

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ31615-002
Batch: 31615
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	91		1	91	46-153	04/16/2010 0949
Benzene	50	49		1	98	70-130	04/16/2010 0949
Bromodichloromethane	50	47		1	93	70-130	04/16/2010 0949
Bromoform	50	48		1	96	70-130	04/16/2010 0949
Bromomethane (Methyl bromide)	50	43		1	86	60-140	04/16/2010 0949
2-Butanone (MEK)	100	92		1	92	60-140	04/16/2010 0949
Carbon disulfide	50	56		1	111	60-140	04/16/2010 0949
Carbon tetrachloride	50	50		1	100	70-130	04/16/2010 0949
Chlorobenzene	50	48		1	97	70-130	04/16/2010 0949
Chloroethane	50	40		1	79	42-163	04/16/2010 0949
Chloroform	50	49		1	98	70-130	04/16/2010 0949
Chloromethane (Methyl chloride)	50	35		1	69	20-158	04/16/2010 0949
Cyclohexane	50	45		1	91	70-130	04/16/2010 0949
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	70-130	04/16/2010 0949
Dibromochloromethane	50	47		1	94	70-130	04/16/2010 0949
1,2-Dibromoethane (EDB)	50	47		1	94	70-130	04/16/2010 0949
1,4-Dichlorobenzene	50	49		1	99	70-130	04/16/2010 0949
1,3-Dichlorobenzene	50	51		1	101	70-130	04/16/2010 0949
1,2-Dichlorobenzene	50	50		1	99	70-130	04/16/2010 0949
Dichlorodifluoromethane	50	44		1	88	60-140	04/16/2010 0949
1,2-Dichloroethane	50	46		1	93	70-130	04/16/2010 0949
1,1-Dichloroethane	50	48		1	97	70-130	04/16/2010 0949
trans-1,2-Dichloroethene	50	51		1	101	70-130	04/16/2010 0949
cis-1,2-Dichloroethene	50	50		1	100	70-130	04/16/2010 0949
1,1-Dichloroethene	50	49		1	98	70-130	04/16/2010 0949
1,2-Dichloropropane	50	50		1	99	70-130	04/16/2010 0949
cis-1,3-Dichloropropene	50	49		1	98	70-130	04/16/2010 0949
trans-1,3-Dichloropropene	50	46		1	93	70-130	04/16/2010 0949
Ethylbenzene	50	50		1	100	70-130	04/16/2010 0949
2-Hexanone	100	89		1	89	60-140	04/16/2010 0949
Isopropylbenzene	50	54		1	109	70-130	04/16/2010 0949
Methyl acetate	50	49		1	98	15-128	04/16/2010 0949
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	04/16/2010 0949
4-Methyl-2-pentanone	100	92		1	92	60-140	04/16/2010 0949
Methylcyclohexane	50	50		1	100	70-130	04/16/2010 0949
Methylene chloride	50	46		1	92	70-130	04/16/2010 0949
Styrene	50	45		1	90	70-130	04/16/2010 0949
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	04/16/2010 0949
Tetrachloroethene	50	48		1	95	70-130	04/16/2010 0949
Toluene	50	51		1	102	70-130	04/16/2010 0949
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	83	70-130	04/16/2010 0949
1,2,4-Trichlorobenzene	50	54		1	107	70-130	04/16/2010 0949
1,1,2-Trichloroethane	50	48		1	96	70-130	04/16/2010 0949
1,1,1-Trichloroethane	50	50		1	100	70-130	04/16/2010 0949

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ31615-002
Batch: 31615
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	70-130	04/16/2010 0949
Trichlorofluoromethane	50	45		1	90	60-140	04/16/2010 0949
Vinyl chloride	50	41		1	81	60-140	04/16/2010 0949
Xylenes (total)	100	96		1	96	70-130	04/16/2010 0949

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ31615-003
Batch: 31615
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	111	20	46-153	20	04/16/2010 1011
Benzene	50	50		1	99	1.1	70-130	20	04/16/2010 1011
Bromodichloromethane	50	47		1	95	1.6	70-130	20	04/16/2010 1011
Bromoform	50	49		1	97	1.6	70-130	20	04/16/2010 1011
Bromomethane (Methyl bromide)	50	43		1	87	0.95	60-140	20	04/16/2010 1011
2-Butanone (MEK)	100	98		1	98	6.1	60-140	20	04/16/2010 1011
Carbon disulfide	50	56		1	112	0.49	60-140	20	04/16/2010 1011
Carbon tetrachloride	50	50		1	100	0.34	70-130	20	04/16/2010 1011
Chlorobenzene	50	49		1	98	1.4	70-130	20	04/16/2010 1011
Chloroethane	50	39		1	78	1.9	42-163	20	04/16/2010 1011
Chloroform	50	49		1	98	0.18	70-130	20	04/16/2010 1011
Chloromethane (Methyl chloride)	50	36		1	71	2.7	20-158	20	04/16/2010 1011
Cyclohexane	50	45		1	90	0.67	70-130	20	04/16/2010 1011
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	3.2	70-130	20	04/16/2010 1011
Dibromochloromethane	50	48		1	95	1.7	70-130	20	04/16/2010 1011
1,2-Dibromoethane (EDB)	50	48		1	96	2.2	70-130	20	04/16/2010 1011
1,4-Dichlorobenzene	50	50		1	100	1.7	70-130	20	04/16/2010 1011
1,3-Dichlorobenzene	50	50		1	100	0.67	70-130	20	04/16/2010 1011
1,2-Dichlorobenzene	50	49		1	98	0.65	70-130	20	04/16/2010 1011
Dichlorodifluoromethane	50	44		1	89	1.1	60-140	20	04/16/2010 1011
1,2-Dichloroethane	50	47		1	94	1.2	70-130	20	04/16/2010 1011
1,1-Dichloroethane	50	49		1	97	0.59	70-130	20	04/16/2010 1011
trans-1,2-Dichloroethene	50	50		1	100	1.3	70-130	20	04/16/2010 1011
cis-1,2-Dichloroethene	50	50		1	100	0.77	70-130	20	04/16/2010 1011
1,1-Dichloroethene	50	50		1	100	1.8	70-130	20	04/16/2010 1011
1,2-Dichloropropane	50	50		1	101	1.6	70-130	20	04/16/2010 1011
cis-1,3-Dichloropropene	50	49		1	99	1.1	70-130	20	04/16/2010 1011
trans-1,3-Dichloropropene	50	47		1	94	1.2	70-130	20	04/16/2010 1011
Ethylbenzene	50	50		1	101	1.3	70-130	20	04/16/2010 1011
2-Hexanone	100	94		1	94	4.9	60-140	20	04/16/2010 1011
Isopropylbenzene	50	55		1	110	0.65	70-130	20	04/16/2010 1011
Methyl acetate	50	47		1	94	3.3	15-128	20	04/16/2010 1011
Methyl tertiary butyl ether (MTBE)	50	50		1	99	2.4	70-130	20	04/16/2010 1011
4-Methyl-2-pentanone	100	91		1	91	1.4	60-140	20	04/16/2010 1011
Methylcyclohexane	50	51		1	101	1.2	70-130	20	04/16/2010 1011
Methylene chloride	50	46		1	92	0.55	70-130	20	04/16/2010 1011
Styrene	50	46		1	92	2.3	70-130	20	04/16/2010 1011
1,1,2,2-Tetrachloroethane	50	53		1	105	2.2	70-130	20	04/16/2010 1011
Tetrachloroethene	50	48		1	97	1.5	70-130	20	04/16/2010 1011
Toluene	50	52		1	105	2.5	70-130	20	04/16/2010 1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	84	0.67	70-130	20	04/16/2010 1011
1,2,4-Trichlorobenzene	50	53		1	105	2.0	70-130	20	04/16/2010 1011
1,1,2-Trichloroethane	50	48		1	97	1.1	70-130	20	04/16/2010 1011
1,1,1-Trichloroethane	50	50		1	100	0.12	70-130	20	04/16/2010 1011

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ31615-003
Batch: 31615
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	101	2.2	70-130	20	04/16/2010 1011
Trichlorofluoromethane	50	45		1	90	0.61	60-140	20	04/16/2010 1011
Vinyl chloride	50	41		1	83	1.7	60-140	20	04/16/2010 1011
Xylenes (total)	100	97		1	97	1.6	70-130	20	04/16/2010 1011

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ31618-001
Batch: 31618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	04/16/2010 0013
Benzene	ND		1	0.50	0.027	ug/L	04/16/2010 0013
Bromodichloromethane	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Bromoform	ND		1	0.50	0.010	ug/L	04/16/2010 0013
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	04/16/2010 0013
2-Butanone (MEK)	ND		1	10	2.0	ug/L	04/16/2010 0013
Carbon disulfide	ND		1	0.50	0.097	ug/L	04/16/2010 0013
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	04/16/2010 0013
Chlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Chloroethane	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Chloroform	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Cyclohexane	ND		1	0.50	0.30	ug/L	04/16/2010 0013
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	04/16/2010 0013
Dibromochloromethane	ND		1	0.50	0.17	ug/L	04/16/2010 0013
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	04/16/2010 0013
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	04/16/2010 0013
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	04/16/2010 0013
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	04/16/2010 0013
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	04/16/2010 0013
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	04/16/2010 0013
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	04/16/2010 0013
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	04/16/2010 0013
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	04/16/2010 0013
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	04/16/2010 0013
Ethylbenzene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
2-Hexanone	ND		1	10	0.27	ug/L	04/16/2010 0013
Isopropylbenzene	ND		1	0.50	0.029	ug/L	04/16/2010 0013
Methyl acetate	ND		1	1.0	0.30	ug/L	04/16/2010 0013
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	04/16/2010 0013
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	04/16/2010 0013
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/16/2010 0013
Methylene chloride	ND		1	0.50	0.17	ug/L	04/16/2010 0013
Styrene	ND		1	0.50	0.015	ug/L	04/16/2010 0013
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	04/16/2010 0013
Tetrachloroethene	ND		1	0.50	0.014	ug/L	04/16/2010 0013
Toluene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	04/16/2010 0013
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 0013
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	04/16/2010 0013
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	04/16/2010 0013

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ31618-001
Batch: 31618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	04/16/2010 0013
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	04/16/2010 0013
Vinyl chloride	ND		1	0.50	0.065	ug/L	04/16/2010 0013
Xylenes (total)	ND		1	0.50	0.17	ug/L	04/16/2010 0013

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ31618-002
Batch: 31618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	103	46-153	04/15/2010 2246
Benzene	50	53		1	106	70-130	04/15/2010 2246
Bromodichloromethane	50	51		1	101	70-130	04/15/2010 2246
Bromoform	50	46		1	92	70-130	04/15/2010 2246
Bromomethane (Methyl bromide)	50	56		1	112	60-140	04/15/2010 2246
2-Butanone (MEK)	100	100		1	104	60-140	04/15/2010 2246
Carbon disulfide	50	53		1	105	60-140	04/15/2010 2246
Carbon tetrachloride	50	55		1	110	70-130	04/15/2010 2246
Chlorobenzene	50	53		1	107	70-130	04/15/2010 2246
Chloroethane	50	57		1	115	42-163	04/15/2010 2246
Chloroform	50	54		1	109	70-130	04/15/2010 2246
Chloromethane (Methyl chloride)	50	52		1	103	20-158	04/15/2010 2246
Cyclohexane	50	51		1	102	70-130	04/15/2010 2246
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	111	70-130	04/15/2010 2246
Dibromochloromethane	50	49		1	98	70-130	04/15/2010 2246
1,2-Dibromoethane (EDB)	50	58		1	117	70-130	04/15/2010 2246
1,3-Dichlorobenzene	50	53		1	106	70-130	04/15/2010 2246
1,4-Dichlorobenzene	50	54		1	107	70-130	04/15/2010 2246
1,2-Dichlorobenzene	50	55		1	109	70-130	04/15/2010 2246
Dichlorodifluoromethane	50	66		1	131	60-140	04/15/2010 2246
1,2-Dichloroethane	50	55		1	110	70-130	04/15/2010 2246
1,1-Dichloroethane	50	53		1	107	70-130	04/15/2010 2246
cis-1,2-Dichloroethene	50	55		1	109	70-130	04/15/2010 2246
1,1-Dichloroethene	50	55		1	110	70-130	04/15/2010 2246
trans-1,2-Dichloroethene	50	54		1	108	70-130	04/15/2010 2246
1,2-Dichloropropane	50	53		1	107	70-130	04/15/2010 2246
trans-1,3-Dichloropropene	50	58		1	116	70-130	04/15/2010 2246
cis-1,3-Dichloropropene	50	58		1	116	70-130	04/15/2010 2246
Ethylbenzene	50	55		1	109	70-130	04/15/2010 2246
2-Hexanone	100	110		1	110	60-140	04/15/2010 2246
Isopropylbenzene	50	55		1	110	70-130	04/15/2010 2246
Methyl acetate	50	57		1	114	15-128	04/15/2010 2246
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	04/15/2010 2246
4-Methyl-2-pentanone	100	110		1	107	60-140	04/15/2010 2246
Methylcyclohexane	50	55		1	110	70-130	04/15/2010 2246
Methylene chloride	50	52		1	104	70-130	04/15/2010 2246
Styrene	50	50		1	101	70-130	04/15/2010 2246
1,1,2,2-Tetrachloroethane	50	57		1	113	70-130	04/15/2010 2246
Tetrachloroethene	50	53		1	107	70-130	04/15/2010 2246
Toluene	50	54		1	108	70-130	04/15/2010 2246
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	70-130	04/15/2010 2246
1,2,4-Trichlorobenzene	50	56		1	113	70-130	04/15/2010 2246
1,1,1-Trichloroethane	50	55		1	109	70-130	04/15/2010 2246
1,1,2-Trichloroethane	50	55		1	111	70-130	04/15/2010 2246

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ31618-002
Batch: 31618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	108	70-130	04/15/2010 2246
Trichlorofluoromethane	50	60		1	119	60-140	04/15/2010 2246
Vinyl chloride	50	58		1	117	60-140	04/15/2010 2246
Xylenes (total)	100	110		1	111	70-130	04/15/2010 2246

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ31618-003
Batch: 31618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	97		1	97	6.0	46-153	20	04/15/2010 2309
Benzene	50	51		1	102	3.6	70-130	20	04/15/2010 2309
Bromodichloromethane	50	50		1	100	1.6	70-130	20	04/15/2010 2309
Bromoform	50	45		1	91	0.77	70-130	20	04/15/2010 2309
Bromomethane (Methyl bromide)	50	56		1	112	0.10	60-140	20	04/15/2010 2309
2-Butanone (MEK)	100	100		1	100	3.2	60-140	20	04/15/2010 2309
Carbon disulfide	50	51		1	103	2.4	60-140	20	04/15/2010 2309
Carbon tetrachloride	50	55		1	111	0.29	70-130	20	04/15/2010 2309
Chlorobenzene	50	51		1	103	3.8	70-130	20	04/15/2010 2309
Chloroethane	50	56		1	112	2.3	42-163	20	04/15/2010 2309
Chloroform	50	53		1	107	2.1	70-130	20	04/15/2010 2309
Chloromethane (Methyl chloride)	50	51		1	102	1.2	20-158	20	04/15/2010 2309
Cyclohexane	50	49		1	99	2.9	70-130	20	04/15/2010 2309
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	109	2.2	70-130	20	04/15/2010 2309
Dibromochloromethane	50	48		1	96	2.3	70-130	20	04/15/2010 2309
1,2-Dibromoethane (EDB)	50	56		1	113	3.8	70-130	20	04/15/2010 2309
1,3-Dichlorobenzene	50	52		1	104	2.1	70-130	20	04/15/2010 2309
1,4-Dichlorobenzene	50	53		1	106	1.5	70-130	20	04/15/2010 2309
1,2-Dichlorobenzene	50	53		1	107	2.1	70-130	20	04/15/2010 2309
Dichlorodifluoromethane	50	60		1	120	8.7	60-140	20	04/15/2010 2309
1,2-Dichloroethane	50	53		1	106	3.1	70-130	20	04/15/2010 2309
1,1-Dichloroethane	50	52		1	104	3.1	70-130	20	04/15/2010 2309
cis-1,2-Dichloroethene	50	53		1	107	2.4	70-130	20	04/15/2010 2309
1,1-Dichloroethene	50	53		1	107	3.0	70-130	20	04/15/2010 2309
trans-1,2-Dichloroethene	50	53		1	106	2.2	70-130	20	04/15/2010 2309
1,2-Dichloropropane	50	52		1	104	2.2	70-130	20	04/15/2010 2309
trans-1,3-Dichloropropene	50	56		1	112	3.4	70-130	20	04/15/2010 2309
cis-1,3-Dichloropropene	50	57		1	114	2.4	70-130	20	04/15/2010 2309
Ethylbenzene	50	53		1	106	3.2	70-130	20	04/15/2010 2309
2-Hexanone	100	100		1	104	5.7	60-140	20	04/15/2010 2309
Isopropylbenzene	50	53		1	106	2.9	70-130	20	04/15/2010 2309
Methyl acetate	50	54		1	109	4.4	15-128	20	04/15/2010 2309
Methyl tertiary butyl ether (MTBE)	50	54		1	109	0.14	70-130	20	04/15/2010 2309
4-Methyl-2-pentanone	100	110		1	105	1.4	60-140	20	04/15/2010 2309
Methylcyclohexane	50	55		1	110	0.35	70-130	20	04/15/2010 2309
Methylene chloride	50	51		1	103	0.84	70-130	20	04/15/2010 2309
Styrene	50	49		1	98	3.0	70-130	20	04/15/2010 2309
1,1,2,2-Tetrachloroethane	50	55		1	111	2.3	70-130	20	04/15/2010 2309
Tetrachloroethene	50	52		1	104	2.6	70-130	20	04/15/2010 2309
Toluene	50	53		1	105	2.9	70-130	20	04/15/2010 2309
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	97	1.2	70-130	20	04/15/2010 2309
1,2,4-Trichlorobenzene	50	53		1	105	6.7	70-130	20	04/15/2010 2309
1,1,1-Trichloroethane	50	54		1	107	1.8	70-130	20	04/15/2010 2309
1,1,2-Trichloroethane	50	54		1	107	3.4	70-130	20	04/15/2010 2309

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ31618-003
Batch: 31618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	104	3.3	70-130	20	04/15/2010 2309
Trichlorofluoromethane	50	59		1	117	1.7	60-140	20	04/15/2010 2309
Vinyl chloride	50	58		1	115	1.6	60-140	20	04/15/2010 2309
Xylenes (total)	100	110		1	107	3.7	70-130	20	04/15/2010 2309

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ31703-001
Batch: 31703
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	04/16/2010 2341
Benzene	ND		1	0.50	0.027	ug/L	04/16/2010 2341
Bromodichloromethane	ND		1	0.50	0.17	ug/L	04/16/2010 2341
Bromoform	ND		1	0.50	0.010	ug/L	04/16/2010 2341
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	04/16/2010 2341
2-Butanone (MEK)	ND		1	10	2.0	ug/L	04/16/2010 2341
Carbon disulfide	ND		1	0.50	0.097	ug/L	04/16/2010 2341
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	04/16/2010 2341
Chlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
Chloroethane	ND		1	0.50	0.17	ug/L	04/16/2010 2341
Chloroform	ND		1	0.50	0.17	ug/L	04/16/2010 2341
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	04/16/2010 2341
Cyclohexane	ND		1	0.50	0.30	ug/L	04/16/2010 2341
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	04/16/2010 2341
Dibromochloromethane	ND		1	0.50	0.17	ug/L	04/16/2010 2341
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	04/16/2010 2341
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	04/16/2010 2341
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	04/16/2010 2341
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	04/16/2010 2341
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	04/16/2010 2341
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	04/16/2010 2341
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	04/16/2010 2341
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	04/16/2010 2341
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	04/16/2010 2341
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	04/16/2010 2341
Ethylbenzene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
2-Hexanone	ND		1	10	0.27	ug/L	04/16/2010 2341
Isopropylbenzene	ND		1	0.50	0.029	ug/L	04/16/2010 2341
Methyl acetate	ND		1	1.0	0.30	ug/L	04/16/2010 2341
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	04/16/2010 2341
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	04/16/2010 2341
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/16/2010 2341
Methylene chloride	0.25	J	1	0.50	0.17	ug/L	04/16/2010 2341
Styrene	ND		1	0.50	0.015	ug/L	04/16/2010 2341
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	04/16/2010 2341
Tetrachloroethene	ND		1	0.50	0.014	ug/L	04/16/2010 2341
Toluene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	04/16/2010 2341
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	04/16/2010 2341
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	04/16/2010 2341
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	04/16/2010 2341

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ31703-001
Batch: 31703
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	04/16/2010 2341
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	04/16/2010 2341
Vinyl chloride	ND		1	0.50	0.065	ug/L	04/16/2010 2341
Xylenes (total)	ND		1	0.50	0.17	ug/L	04/16/2010 2341

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ31703-002
Batch: 31703
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	104	46-153	04/16/2010 2214
Benzene	50	54		1	108	70-130	04/16/2010 2214
Bromodichloromethane	50	51		1	102	70-130	04/16/2010 2214
Bromoform	50	49		1	99	70-130	04/16/2010 2214
Bromomethane (Methyl bromide)	50	50		1	101	60-140	04/16/2010 2214
2-Butanone (MEK)	100	100		1	104	60-140	04/16/2010 2214
Carbon disulfide	50	64		1	129	60-140	04/16/2010 2214
Carbon tetrachloride	50	58		1	117	70-130	04/16/2010 2214
Chlorobenzene	50	51		1	103	70-130	04/16/2010 2214
Chloroethane	50	45		1	90	42-163	04/16/2010 2214
Chloroform	50	55		1	109	70-130	04/16/2010 2214
Chloromethane (Methyl chloride)	50	44		1	87	20-158	04/16/2010 2214
Cyclohexane	50	57		1	114	70-130	04/16/2010 2214
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	99	70-130	04/16/2010 2214
Dibromochloromethane	50	50		1	100	70-130	04/16/2010 2214
1,2-Dibromoethane (EDB)	50	49		1	99	70-130	04/16/2010 2214
1,2-Dichlorobenzene	50	51		1	102	70-130	04/16/2010 2214
1,4-Dichlorobenzene	50	51		1	102	70-130	04/16/2010 2214
1,3-Dichlorobenzene	50	52		1	104	70-130	04/16/2010 2214
Dichlorodifluoromethane	50	52		1	104	60-140	04/16/2010 2214
1,1-Dichloroethane	50	55		1	110	70-130	04/16/2010 2214
1,2-Dichloroethane	50	53		1	106	70-130	04/16/2010 2214
1,1-Dichloroethene	50	56		1	111	70-130	04/16/2010 2214
trans-1,2-Dichloroethene	50	56		1	112	70-130	04/16/2010 2214
cis-1,2-Dichloroethene	50	56		1	111	70-130	04/16/2010 2214
1,2-Dichloropropane	50	55		1	110	70-130	04/16/2010 2214
trans-1,3-Dichloropropene	50	49		1	98	70-130	04/16/2010 2214
cis-1,3-Dichloropropene	50	52		1	105	70-130	04/16/2010 2214
Ethylbenzene	50	53		1	105	70-130	04/16/2010 2214
2-Hexanone	100	99		1	99	60-140	04/16/2010 2214
Isopropylbenzene	50	58		1	117	70-130	04/16/2010 2214
Methyl acetate	50	57		1	114	15-128	04/16/2010 2214
Methyl tertiary butyl ether (MTBE)	50	56		1	111	70-130	04/16/2010 2214
4-Methyl-2-pentanone	100	100		1	104	60-140	04/16/2010 2214
Methylcyclohexane	50	58		1	116	70-130	04/16/2010 2214
Methylene chloride	50	51		1	102	70-130	04/16/2010 2214
Styrene	50	48		1	95	70-130	04/16/2010 2214
1,1,2,2-Tetrachloroethane	50	58		1	115	70-130	04/16/2010 2214
Tetrachloroethene	50	50		1	101	70-130	04/16/2010 2214
Toluene	50	55		1	111	70-130	04/16/2010 2214
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	70-130	04/16/2010 2214
1,2,4-Trichlorobenzene	50	53		1	106	70-130	04/16/2010 2214
1,1,1-Trichloroethane	50	57		1	115	70-130	04/16/2010 2214
1,1,2-Trichloroethane	50	51		1	102	70-130	04/16/2010 2214

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ31703-002
Batch: 31703
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	107	70-130	04/16/2010 2214
Trichlorofluoromethane	50	53		1	106	60-140	04/16/2010 2214
Vinyl chloride	50	51		1	103	60-140	04/16/2010 2214
Xylenes (total)	100	100		1	102	70-130	04/16/2010 2214

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ31703-003
Batch: 31703
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	112	7.9	46-153	20	04/16/2010 2236
Benzene	50	50		1	100	7.6	70-130	20	04/16/2010 2236
Bromodichloromethane	50	48		1	96	6.0	70-130	20	04/16/2010 2236
Bromoform	50	48		1	97	2.3	70-130	20	04/16/2010 2236
Bromomethane (Methyl bromide)	50	46		1	92	8.8	60-140	20	04/16/2010 2236
2-Butanone (MEK)	100	100		1	100	3.2	60-140	20	04/16/2010 2236
Carbon disulfide	50	57		1	114	12	60-140	20	04/16/2010 2236
Carbon tetrachloride	50	52		1	103	12	70-130	20	04/16/2010 2236
Chlorobenzene	50	48		1	97	6.0	70-130	20	04/16/2010 2236
Chloroethane	50	43		1	87	4.0	42-163	20	04/16/2010 2236
Chloroform	50	51		1	102	7.3	70-130	20	04/16/2010 2236
Chloromethane (Methyl chloride)	50	39		1	78	11	20-158	20	04/16/2010 2236
Cyclohexane	50	49		1	99	14	70-130	20	04/16/2010 2236
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	7.0	70-130	20	04/16/2010 2236
Dibromochloromethane	50	48		1	96	4.0	70-130	20	04/16/2010 2236
1,2-Dibromoethane (EDB)	50	48		1	96	3.2	70-130	20	04/16/2010 2236
1,2-Dichlorobenzene	50	48		1	97	5.3	70-130	20	04/16/2010 2236
1,4-Dichlorobenzene	50	48		1	97	5.2	70-130	20	04/16/2010 2236
1,3-Dichlorobenzene	50	49		1	98	5.8	70-130	20	04/16/2010 2236
Dichlorodifluoromethane	50	45		1	91	13	60-140	20	04/16/2010 2236
1,1-Dichloroethane	50	50		1	101	8.7	70-130	20	04/16/2010 2236
1,2-Dichloroethane	50	50		1	100	5.9	70-130	20	04/16/2010 2236
1,1-Dichloroethene	50	50		1	99	12	70-130	20	04/16/2010 2236
trans-1,2-Dichloroethene	50	50		1	101	11	70-130	20	04/16/2010 2236
cis-1,2-Dichloroethene	50	51		1	102	8.7	70-130	20	04/16/2010 2236
1,2-Dichloropropane	50	52		1	104	6.2	70-130	20	04/16/2010 2236
trans-1,3-Dichloropropene	50	47		1	95	3.6	70-130	20	04/16/2010 2236
cis-1,3-Dichloropropene	50	50		1	100	4.9	70-130	20	04/16/2010 2236
Ethylbenzene	50	49		1	99	6.2	70-130	20	04/16/2010 2236
2-Hexanone	100	97		1	97	2.2	60-140	20	04/16/2010 2236
Isopropylbenzene	50	53		1	107	9.2	70-130	20	04/16/2010 2236
Methyl acetate	50	53		1	107	6.8	15-128	20	04/16/2010 2236
Methyl tertiary butyl ether (MTBE)	50	52		1	105	6.2	70-130	20	04/16/2010 2236
4-Methyl-2-pentanone	100	98		1	98	6.0	60-140	20	04/16/2010 2236
Methylcyclohexane	50	51		1	102	13	70-130	20	04/16/2010 2236
Methylene chloride	50	47		1	95	7.3	70-130	20	04/16/2010 2236
Styrene	50	45		1	90	5.2	70-130	20	04/16/2010 2236
1,1,2,2-Tetrachloroethane	50	54		1	108	6.8	70-130	20	04/16/2010 2236
Tetrachloroethene	50	47		1	93	7.7	70-130	20	04/16/2010 2236
Toluene	50	52		1	104	6.0	70-130	20	04/16/2010 2236
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	86	14	70-130	20	04/16/2010 2236
1,2,4-Trichlorobenzene	50	51		1	102	4.0	70-130	20	04/16/2010 2236
1,1,1-Trichloroethane	50	52		1	103	11	70-130	20	04/16/2010 2236
1,1,2-Trichloroethane	50	49		1	98	3.9	70-130	20	04/16/2010 2236

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ31703-003
Batch: 31703
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	99	7.7	70-130	20	04/16/2010 2236
Trichlorofluoromethane	50	46		1	91	15	60-140	20	04/16/2010 2236
Vinyl chloride	50	46		1	91	12	60-140	20	04/16/2010 2236
Xylenes (total)	100	95		1	95	6.6	70-130	20	04/16/2010 2236

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY *Chain of Custody Record*

Number 101168

Client: ARCADIS US, INC.	Report to Contact: Chase Forman	Telephone No. / Fax No. / E-mail: 919-854-1282 / 919-854-5448 / chase.forman@arcadis-us.com	Quote No.
Address: 801 Corporate Ctr Dr. Suite 300	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Chase Forman	Analyses (Attach list if more space is needed.)	
Project Name: Hunter Stewart HAA-15			
Project No.: GP08HAFS.H15B.DG0FI	P.O. No.		Lot No.: LD13007

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Soil	Non-Aqueous	No. of Containers by Preservative Type: Ungres	Hasche	HNO3	HCl	NaOH	SO3/C Kit	VOCs-8260B	Remarks / Cooler I.D.
H15-MW-03B (041210)	4-12-10	1230	C	X						3			X	1 week T.A.T requested
H15-MW-03C (041210)		1400	G	X						3			X	
XX-13 (041210)		1445	C	X						3			X	
H15-MW-04C (041210)		1445	C	X						3			X	
H15-MW-02C (041210)		1540	G	X						3			X	
DUP-1 (041210)		1405	G	X						3			X	
TB-1 (041210)		lab	G	X						2			X	

Possible Hazard Identification: X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client X Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): X Standard ☐ Rush (Specify) 1 week

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4-12-10	1600	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by FedEx	4-13-10	0825	3. Laboratory received by	4-13-10	0825

Comments:

LAB USE ONLY
Received on ice: (Circle) (Yes) No Ice Pack

Receipt Temp: 4.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: EC / 4/13/10 Lot #: LD13007

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	NA ☐	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 4.0 °C / ___ °C ___ / ___ °C ___ / ___ °C ___ / ___ °C ___ / ___ °C ___ / ___ °C ___ / ___ °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: ___. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) ___ were received incorrectly preserved and were adjusted accordingly in sample receiving with ___ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) ___ were received with bubbles >6 mm in diameter.

Sample(s) ___ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) ___ analyzed by method 350.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: ___

Comments: ___

Date 4-12-10 FedEx Tracking Number: 870985632850

Sender's Name Chase Forman Phone 919 854-1282

Company ARCADIS G & M OF NC INC

Address 4915 PRESTE CENTER DR

City RALEIGH State NC ZIP 27607-5073

Your Internal Billing Reference G90HAFS.H15B.DEKFI

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GGOFI

Lot Number: MG26023

Date Completed: 08/02/2011

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MG26023

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MG26023

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

The trip blank sample was analyzed and had detection for chloroform above the detection limit. The trip blank was re-analyzed yielding the same results. Client was notified.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: MG26023

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-02D-VAP(55-59)	Aqueous	07/22/2011 1330	07/26/2011
002	H15-MW-02D-VAP(64-68)	Aqueous	07/22/2011 1600	07/26/2011
003	Trip Blank(072211)	Aqueous	07/26/2011 0910	07/26/2011

(3 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MG26023

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-02D-VAP(55-59)	Aqueous	cis-1,2-Dichloroethene	8260B	470		ug/L	5
001	H15-MW-02D-VAP(55-59)	Aqueous	1,1-Dichloroethene	8260B	5.7	J	ug/L	5
001	H15-MW-02D-VAP(55-59)	Aqueous	Trichloroethene	8260B	1600		ug/L	5
001	H15-MW-02D-VAP(55-59)	Aqueous	Vinyl chloride	8260B	10	J	ug/L	5
002	H15-MW-02D-VAP(64-68)	Aqueous	cis-1,2-Dichloroethene	8260B	120		ug/L	7
002	H15-MW-02D-VAP(64-68)	Aqueous	1,1,2,2-Tetrachloroethane	8260B	6.5	J	ug/L	7
002	H15-MW-02D-VAP(64-68)	Aqueous	Toluene	8260B	23		ug/L	7
002	H15-MW-02D-VAP(64-68)	Aqueous	Trichloroethene	8260B	400		ug/L	7
003	Trip Blank(072211)	Aqueous	Bromodichloromethane	8260B	4.0		ug/L	9
003	Trip Blank(072211)	Aqueous	Chloroform	8260B	11		ug/L	9
003	Trip Blank(072211)	Aqueous	Dibromochloromethane	8260B	0.64	J	ug/L	9

(11 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MG26023-001
Description: H15-MW-02D-VAP(55-59)
Matrix: Aqueous
Date Sampled: 07/22/2011 1330
Date Received: 07/26/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	08/01/2011 1734	BM		64809

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		20	2.6	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		20	6.6	ug/L	1
Bromoform	75-25-2	8260B	ND		20	13	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		40	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	41	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		20	1.9	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		20	2.7	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		40	6.6	ug/L	1
Chloroethane	75-00-3	8260B	ND		40	9.4	ug/L	1
Chloroform	67-66-3	8260B	ND		20	6.6	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		20	7.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		20	6.6	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		20	6.6	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		20	6.6	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		20	6.6	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		20	2.9	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		20	2.6	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		20	4.1	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	470		20	2.4	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	5.7	J	20	3.2	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		20	3.8	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		20	2.1	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		20	1.8	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		20	6.6	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	5.5	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		20	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	6.2	ug/L	1
Methylene chloride	75-09-2	8260B	ND		20	6.6	ug/L	1
Styrene	100-42-5	8260B	ND		20	2.4	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		20	3.3	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		20	2.6	ug/L	1
Toluene	108-88-3	8260B	ND		20	6.6	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		20	10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		20	4.2	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		20	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	1600		20	3.6	ug/L	1
Vinyl chloride	75-01-4	8260B	10	J	20	1.1	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		20	6.6	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MG26023-001
Description: H15-MW-02D-VAP(55-59)
Matrix: Aqueous
Date Sampled: 07/22/2011 1330
Date Received: 07/26/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MG26023-002
Description: H15-MW-02D-VAP(64-68)
Matrix: Aqueous
Date Sampled: 07/22/2011 1600
Date Received: 07/26/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	20	08/02/2011 1631	BM		64885

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	2
Benzene	71-43-2	8260B	ND		20	2.6	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		20	6.6	ug/L	2
Bromoform	75-25-2	8260B	ND		20	13	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		40	16	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		200	41	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		20	1.9	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		20	2.7	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		40	6.6	ug/L	2
Chloroethane	75-00-3	8260B	ND		40	9.4	ug/L	2
Chloroform	67-66-3	8260B	ND		20	6.6	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		20	7.0	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		20	6.6	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		20	6.6	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		20	6.6	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		20	6.6	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		20	2.9	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		20	2.6	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		20	4.1	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	120		20	2.4	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		20	3.2	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		20	3.8	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		20	2.1	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		20	1.8	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		20	6.6	ug/L	2
2-Hexanone	591-78-6	8260B	ND		200	5.5	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		20	8.0	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	6.2	ug/L	2
Methylene chloride	75-09-2	8260B	ND		20	6.6	ug/L	2
Styrene	100-42-5	8260B	ND		20	2.4	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	6.5	J	20	3.3	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		20	2.6	ug/L	2
Toluene	108-88-3	8260B	23		20	6.6	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		20	10	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		20	4.2	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		20	1.5	ug/L	2
Trichloroethene	79-01-6	8260B	400		20	3.6	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		20	1.1	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		20	6.6	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MG26023-002
Description: H15-MW-02D-VAP(64-68)
Matrix: Aqueous
Date Sampled: 07/22/2011 1600
Date Received: 07/26/2011

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MG26023-003
Description: Trip Blank(072211)
Matrix: Aqueous
Date Sampled: 07/26/2011 0910
Date Received: 07/26/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	08/02/2011 1652	BM		64885

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	2
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	2
Bromodichloromethane	75-27-4	8260B	4.0		1.0	0.33	ug/L	2
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	2
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	2
Chloroform	67-66-3	8260B	11		1.0	0.33	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	2
Dibromochloromethane	124-48-1	8260B	0.64	J	1.0	0.33	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	2
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	2
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	2
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	2
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MG26023-003
Description: Trip Blank(072211)
Matrix: Aqueous
Date Sampled: 07/26/2011 0910
Date Received: 07/26/2011

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ64809-001
Batch: 64809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/01/2011 1235
Benzene	ND		1	1.0	0.13	ug/L	08/01/2011 1235
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/01/2011 1235
Bromoform	ND		1	1.0	0.66	ug/L	08/01/2011 1235
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/01/2011 1235
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/01/2011 1235
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/01/2011 1235
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/01/2011 1235
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/01/2011 1235
Chloroethane	ND		1	2.0	0.47	ug/L	08/01/2011 1235
Chloroform	ND		1	1.0	0.33	ug/L	08/01/2011 1235
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/01/2011 1235
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/01/2011 1235
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/01/2011 1235
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/01/2011 1235
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/01/2011 1235
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/01/2011 1235
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/01/2011 1235
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/01/2011 1235
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/01/2011 1235
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/01/2011 1235
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/01/2011 1235
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/01/2011 1235
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/01/2011 1235
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/01/2011 1235
2-Hexanone	ND		1	10	0.27	ug/L	08/01/2011 1235
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/01/2011 1235
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/01/2011 1235
Methylene chloride	ND		1	1.0	0.33	ug/L	08/01/2011 1235
Styrene	ND		1	1.0	0.12	ug/L	08/01/2011 1235
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/01/2011 1235
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/01/2011 1235
Toluene	ND		1	1.0	0.33	ug/L	08/01/2011 1235
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/01/2011 1235
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/01/2011 1235
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/01/2011 1235
Trichloroethene	ND		1	1.0	0.18	ug/L	08/01/2011 1235
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/01/2011 1235
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/01/2011 1235

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ64809-002
Batch: 64809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	112	70-130	08/01/2011 1109
Benzene	50	49		1	97	70-130	08/01/2011 1109
Bromodichloromethane	50	54		1	108	70-130	08/01/2011 1109
Bromoform	50	50		1	101	70-130	08/01/2011 1109
Bromomethane (Methyl bromide)	50	55		1	109	60-140	08/01/2011 1109
2-Butanone (MEK)	100	100		1	105	60-140	08/01/2011 1109
Carbon disulfide	50	50		1	101	60-140	08/01/2011 1109
Carbon tetrachloride	50	51		1	103	70-130	08/01/2011 1109
Chlorobenzene	50	49		1	98	70-130	08/01/2011 1109
Chloroethane	50	55		1	110	42-163	08/01/2011 1109
Chloroform	50	47		1	95	70-130	08/01/2011 1109
Chloromethane (Methyl chloride)	50	60		1	119	70-130	08/01/2011 1109
Dibromochloromethane	50	54		1	109	70-130	08/01/2011 1109
1,2-Dichlorobenzene	50	50		1	99	70-130	08/01/2011 1109
1,3-Dichlorobenzene	50	49		1	98	70-130	08/01/2011 1109
1,4-Dichlorobenzene	50	48		1	96	70-130	08/01/2011 1109
1,2-Dichloroethane	50	52		1	104	70-130	08/01/2011 1109
1,1-Dichloroethane	50	47		1	93	70-130	08/01/2011 1109
cis-1,2-Dichloroethene	50	48		1	97	70-130	08/01/2011 1109
trans-1,2-Dichloroethene	50	49		1	97	70-130	08/01/2011 1109
1,1-Dichloroethene	50	45		1	91	70-130	08/01/2011 1109
1,2-Dichloropropane	50	50		1	101	70-130	08/01/2011 1109
trans-1,3-Dichloropropene	50	55		1	110	70-130	08/01/2011 1109
cis-1,3-Dichloropropene	50	58		1	116	70-130	08/01/2011 1109
Ethylbenzene	50	53		1	106	70-130	08/01/2011 1109
2-Hexanone	100	110		1	111	60-140	08/01/2011 1109
Methyl tertiary butyl ether (MTBE)	50	55		1	110	60-140	08/01/2011 1109
4-Methyl-2-pentanone	100	110		1	115	60-140	08/01/2011 1109
Methylene chloride	50	45		1	90	70-130	08/01/2011 1109
Styrene	50	51		1	101	70-130	08/01/2011 1109
1,1,2,2-Tetrachloroethane	50	51		1	103	60-140	08/01/2011 1109
Tetrachloroethene	50	51		1	103	70-130	08/01/2011 1109
Toluene	50	50		1	99	70-130	08/01/2011 1109
1,2,4-Trichlorobenzene	50	51		1	103	70-130	08/01/2011 1109
1,1,1-Trichloroethane	50	51		1	102	70-130	08/01/2011 1109
1,1,2-Trichloroethane	50	51		1	102	70-130	08/01/2011 1109
Trichloroethene	50	52		1	103	70-130	08/01/2011 1109
Vinyl chloride	50	48		1	96	70-130	08/01/2011 1109
Xylenes (total)	100	110		1	108	70-130	08/01/2011 1109

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		115	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ64809-003
Batch: 64809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	101	10	70-130	20	08/01/2011 1131
Benzene	50	48		1	95	2.2	70-130	20	08/01/2011 1131
Bromodichloromethane	50	52		1	104	4.3	70-130	20	08/01/2011 1131
Bromoform	50	50		1	100	0.97	70-130	20	08/01/2011 1131
Bromomethane (Methyl bromide)	50	54		1	108	0.65	60-140	20	08/01/2011 1131
2-Butanone (MEK)	100	100		1	103	2.0	60-140	20	08/01/2011 1131
Carbon disulfide	50	49		1	98	2.8	60-140	20	08/01/2011 1131
Carbon tetrachloride	50	50		1	101	1.8	70-130	20	08/01/2011 1131
Chlorobenzene	50	49		1	98	0.25	70-130	20	08/01/2011 1131
Chloroethane	50	53		1	105	3.9	42-163	20	08/01/2011 1131
Chloroform	50	46		1	92	2.9	70-130	20	08/01/2011 1131
Chloromethane (Methyl chloride)	50	56		1	112	6.6	70-130	20	08/01/2011 1131
Dibromochloromethane	50	54		1	108	0.80	70-130	20	08/01/2011 1131
1,2-Dichlorobenzene	50	49		1	99	0.54	70-130	20	08/01/2011 1131
1,3-Dichlorobenzene	50	50		1	99	1.6	70-130	20	08/01/2011 1131
1,4-Dichlorobenzene	50	49		1	97	1.6	70-130	20	08/01/2011 1131
1,2-Dichloroethane	50	50		1	100	4.4	70-130	20	08/01/2011 1131
1,1-Dichloroethane	50	46		1	91	2.4	70-130	20	08/01/2011 1131
cis-1,2-Dichloroethene	50	47		1	94	3.1	70-130	20	08/01/2011 1131
trans-1,2-Dichloroethene	50	47		1	94	3.3	70-130	20	08/01/2011 1131
1,1-Dichloroethene	50	44		1	88	3.5	70-130	20	08/01/2011 1131
1,2-Dichloropropane	50	49		1	98	3.0	70-130	20	08/01/2011 1131
trans-1,3-Dichloropropene	50	54		1	109	1.4	70-130	20	08/01/2011 1131
cis-1,3-Dichloropropene	50	56		1	112	3.8	70-130	20	08/01/2011 1131
Ethylbenzene	50	52		1	105	1.3	70-130	20	08/01/2011 1131
2-Hexanone	100	110		1	109	2.0	60-140	20	08/01/2011 1131
Methyl tertiary butyl ether (MTBE)	50	54		1	107	3.0	60-140	20	08/01/2011 1131
4-Methyl-2-pentanone	100	110		1	110	3.7	60-140	20	08/01/2011 1131
Methylene chloride	50	45		1	89	1.5	70-130	20	08/01/2011 1131
Styrene	50	51		1	101	0.38	70-130	20	08/01/2011 1131
1,1,2,2-Tetrachloroethane	50	52		1	103	0.51	60-140	20	08/01/2011 1131
Tetrachloroethene	50	51		1	102	0.67	70-130	20	08/01/2011 1131
Toluene	50	48		1	96	3.0	70-130	20	08/01/2011 1131
1,2,4-Trichlorobenzene	50	53		1	106	3.0	70-130	20	08/01/2011 1131
1,1,1-Trichloroethane	50	49		1	98	3.3	70-130	20	08/01/2011 1131
1,1,2-Trichloroethane	50	50		1	101	1.7	70-130	20	08/01/2011 1131
Trichloroethene	50	50		1	100	2.8	70-130	20	08/01/2011 1131
Vinyl chloride	50	47		1	94	2.4	70-130	20	08/01/2011 1131
Xylenes (total)	100	110		1	107	1.1	70-130	20	08/01/2011 1131

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ64885-001
Batch: 64885
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/02/2011 1221
Benzene	ND		1	1.0	0.13	ug/L	08/02/2011 1221
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/02/2011 1221
Bromoform	ND		1	1.0	0.66	ug/L	08/02/2011 1221
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/02/2011 1221
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/02/2011 1221
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/02/2011 1221
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/02/2011 1221
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/02/2011 1221
Chloroethane	ND		1	2.0	0.47	ug/L	08/02/2011 1221
Chloroform	ND		1	1.0	0.33	ug/L	08/02/2011 1221
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/02/2011 1221
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/02/2011 1221
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/02/2011 1221
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/02/2011 1221
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/02/2011 1221
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/02/2011 1221
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/02/2011 1221
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/02/2011 1221
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/02/2011 1221
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/02/2011 1221
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/02/2011 1221
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/02/2011 1221
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/02/2011 1221
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/02/2011 1221
2-Hexanone	ND		1	10	0.27	ug/L	08/02/2011 1221
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/02/2011 1221
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/02/2011 1221
Methylene chloride	ND		1	1.0	0.33	ug/L	08/02/2011 1221
Styrene	ND		1	1.0	0.12	ug/L	08/02/2011 1221
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/02/2011 1221
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/02/2011 1221
Toluene	ND		1	1.0	0.33	ug/L	08/02/2011 1221
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/02/2011 1221
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/02/2011 1221
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/02/2011 1221
Trichloroethene	ND		1	1.0	0.18	ug/L	08/02/2011 1221
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/02/2011 1221
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/02/2011 1221

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ64885-002
Batch: 64885
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	115	70-130	08/02/2011 1053
Benzene	50	49		1	98	70-130	08/02/2011 1053
Bromodichloromethane	50	52		1	105	70-130	08/02/2011 1053
Bromoform	50	54		1	107	70-130	08/02/2011 1053
Bromomethane (Methyl bromide)	50	51		1	101	60-140	08/02/2011 1053
2-Butanone (MEK)	100	110		1	108	60-140	08/02/2011 1053
Carbon disulfide	50	36		1	73	60-140	08/02/2011 1053
Carbon tetrachloride	50	49		1	97	70-130	08/02/2011 1053
Chlorobenzene	50	49		1	99	70-130	08/02/2011 1053
Chloroethane	50	46		1	91	42-163	08/02/2011 1053
Chloroform	50	48		1	96	70-130	08/02/2011 1053
Chloromethane (Methyl chloride)	50	51		1	102	70-130	08/02/2011 1053
Dibromochloromethane	50	56		1	113	70-130	08/02/2011 1053
1,4-Dichlorobenzene	50	49		1	97	70-130	08/02/2011 1053
1,2-Dichlorobenzene	50	50		1	100	70-130	08/02/2011 1053
1,3-Dichlorobenzene	50	48		1	97	70-130	08/02/2011 1053
1,2-Dichloroethane	50	50		1	100	70-130	08/02/2011 1053
1,1-Dichloroethane	50	50		1	99	70-130	08/02/2011 1053
trans-1,2-Dichloroethene	50	50		1	100	70-130	08/02/2011 1053
1,1-Dichloroethene	50	48		1	97	70-130	08/02/2011 1053
cis-1,2-Dichloroethene	50	50		1	100	70-130	08/02/2011 1053
1,2-Dichloropropane	50	51		1	102	70-130	08/02/2011 1053
trans-1,3-Dichloropropene	50	55		1	109	70-130	08/02/2011 1053
cis-1,3-Dichloropropene	50	54		1	108	70-130	08/02/2011 1053
Ethylbenzene	50	50		1	99	70-130	08/02/2011 1053
2-Hexanone	100	110		1	111	60-140	08/02/2011 1053
Methyl tertiary butyl ether (MTBE)	50	51		1	102	60-140	08/02/2011 1053
4-Methyl-2-pentanone	100	110		1	110	60-140	08/02/2011 1053
Methylene chloride	50	49		1	98	70-130	08/02/2011 1053
Styrene	50	53		1	105	70-130	08/02/2011 1053
1,1,2,2-Tetrachloroethane	50	53		1	106	60-140	08/02/2011 1053
Tetrachloroethene	50	48		1	95	70-130	08/02/2011 1053
Toluene	50	49		1	98	70-130	08/02/2011 1053
1,2,4-Trichlorobenzene	50	54		1	108	70-130	08/02/2011 1053
1,1,1-Trichloroethane	50	48		1	96	70-130	08/02/2011 1053
1,1,2-Trichloroethane	50	50		1	100	70-130	08/02/2011 1053
Trichloroethene	50	48		1	96	70-130	08/02/2011 1053
Vinyl chloride	50	47		1	94	70-130	08/02/2011 1053
Xylenes (total)	100	99		1	99	70-130	08/02/2011 1053

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ64885-003
Batch: 64885
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	113	1.9	70-130	20	08/02/2011 1115
Benzene	50	49		1	97	0.34	70-130	20	08/02/2011 1115
Bromodichloromethane	50	52		1	104	1.1	70-130	20	08/02/2011 1115
Bromoform	50	53		1	106	0.93	70-130	20	08/02/2011 1115
Bromomethane (Methyl bromide)	50	48		1	95	6.1	60-140	20	08/02/2011 1115
2-Butanone (MEK)	100	110		1	108	0.26	60-140	20	08/02/2011 1115
Carbon disulfide	50	37		1	73	0.25	60-140	20	08/02/2011 1115
Carbon tetrachloride	50	49		1	98	0.90	70-130	20	08/02/2011 1115
Chlorobenzene	50	50		1	99	0.59	70-130	20	08/02/2011 1115
Chloroethane	50	53		1	107	16	42-163	20	08/02/2011 1115
Chloroform	50	48		1	95	0.36	70-130	20	08/02/2011 1115
Chloromethane (Methyl chloride)	50	48		1	97	5.1	70-130	20	08/02/2011 1115
Dibromochloromethane	50	56		1	112	0.34	70-130	20	08/02/2011 1115
1,4-Dichlorobenzene	50	49		1	98	0.49	70-130	20	08/02/2011 1115
1,2-Dichlorobenzene	50	49		1	98	2.2	70-130	20	08/02/2011 1115
1,3-Dichlorobenzene	50	49		1	98	1.6	70-130	20	08/02/2011 1115
1,2-Dichloroethane	50	50		1	99	1.1	70-130	20	08/02/2011 1115
1,1-Dichloroethane	50	49		1	99	0.75	70-130	20	08/02/2011 1115
trans-1,2-Dichloroethene	50	50		1	100	0.50	70-130	20	08/02/2011 1115
1,1-Dichloroethene	50	49		1	97	0.66	70-130	20	08/02/2011 1115
cis-1,2-Dichloroethene	50	50		1	100	0.95	70-130	20	08/02/2011 1115
1,2-Dichloropropane	50	51		1	102	0.27	70-130	20	08/02/2011 1115
trans-1,3-Dichloropropene	50	54		1	109	0.42	70-130	20	08/02/2011 1115
cis-1,3-Dichloropropene	50	54		1	108	0.30	70-130	20	08/02/2011 1115
Ethylbenzene	50	50		1	100	0.86	70-130	20	08/02/2011 1115
2-Hexanone	100	110		1	109	2.0	60-140	20	08/02/2011 1115
Methyl tertiary butyl ether (MTBE)	50	50		1	101	1.4	60-140	20	08/02/2011 1115
4-Methyl-2-pentanone	100	110		1	106	2.9	60-140	20	08/02/2011 1115
Methylene chloride	50	48		1	97	1.3	70-130	20	08/02/2011 1115
Styrene	50	53		1	106	0.43	70-130	20	08/02/2011 1115
1,1,2,2-Tetrachloroethane	50	53		1	105	0.91	60-140	20	08/02/2011 1115
Tetrachloroethene	50	48		1	97	1.3	70-130	20	08/02/2011 1115
Toluene	50	49		1	99	0.38	70-130	20	08/02/2011 1115
1,2,4-Trichlorobenzene	50	54		1	107	0.62	70-130	20	08/02/2011 1115
1,1,1-Trichloroethane	50	48		1	96	0.096	70-130	20	08/02/2011 1115
1,1,2-Trichloroethane	50	51		1	101	1.2	70-130	20	08/02/2011 1115
Trichloroethene	50	49		1	97	1.1	70-130	20	08/02/2011 1115
Vinyl chloride	50	45		1	90	3.8	70-130	20	08/02/2011 1115
Xylenes (total)	100	100		1	100	0.60	70-130	20	08/02/2011 1115

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

MG2023

Project Number/Name HAA-15 (GP08HAFS.HISC. GGOFI)

Project Location Hunter Army Airfield

Laboratory Shealy

Project Manager Scott Bostian

Sampler(s)/Affiliation Josh Frizzell - Arcadis

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	VOCs (HCl preserved)	VOCs (unpreserved)			Remarks	Total
H15									
H15-MW-02D-VAP(55-59)	L	7-22-11/1330		3	3				5
H15-MW-02D-VAP(64-68)	L	7-22-11/1600		3	2				5
Trip Blank (072211)	L	—		3					3
								5 DAY TAT	

JDF 7-22-11

JDF 7-22-2011

Total No. of Bottles/ Containers 13

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by:		Organization: Arcadis	Date 7/25/11	Time 1900	Seal Intact?	Yes	No N/A
Received by:		Organization:	Date / /	Time			
Relinquished by:		Organization: FEDEX	Date 7/26/11	Time 0916	Seal Intact?		
Received by:		Organization: Shealy Envl	Date 7/26/11	Time 0910		Yes	No N/A

Special Instructions/Remarks:

results to cbostian@arcadis-us.com and jfrizzell@arcadis-us.com

collected 2 unpreserved vials per sample due to effervescent samples

T = 3.8°

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex SPECIFY ☐ Lab Courier ☐ Other SPECIFY

AR 09-1201

Level 1 Report v2.1

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: EW 7/26/11 Lot #: MG26023

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 3.8 °C / °C / °C / °C / °C / °C / °C / °C			
Method: ☐ Temperature Blank ☑ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☐	No ☑		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

This portion can be removed for recipient's records.

FedEx Tracking Number 871497703410

Phone

Company ARCADIS G & M OF NC INC

Address 801 CORPORATE CENTER DR

State NC ZIP 27607-5041

Our Internal Billing Reference 30245.H15C.6-GOFI

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee:_____

Comments:_____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Chase Forman

Project Name: HAA-15

Project Number: GP08HAFS.H15B

Lot Number: LF16005

Date Completed: 06/17/2010



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* L F 1 6 0 0 5 *

Case Narrative
ARCADIS U.S., Inc.
Lot Number: LF16005

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: LF16005

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H-15-MW-05B (061510)	Aqueous	06/15/2010 1455	06/16/2010
002	Trip Blank	Aqueous	06/16/2010 0850	06/16/2010

(2 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: LF16005

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H-15-MW-05B (061510)	Aqueous	cis-1,2-Dichloroethene	8260B	0.51		ug/L	5
001	H-15-MW-05B (061510)	Aqueous	Trichloroethene	8260B	2.2		ug/L	6
002	Trip Blank	Aqueous	Acetone	8260B	4.7	J	ug/L	7
002	Trip Blank	Aqueous	Carbon disulfide	8260B	0.30	J	ug/L	7

(4 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LF16005-001
Description: H-15-MW-05B (061510)
Matrix: Aqueous
Date Sampled: 06/15/2010 1455
Date Received: 06/16/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2010 1441	DLB		35919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.51		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LF16005-001
Description: H-15-MW-05B (061510)
Matrix: Aqueous
Date Sampled: 06/15/2010 1455
Date Received: 06/16/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2010 1441	DLB		35919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.2		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LF16005-002
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 06/16/2010 0850
Date Received: 06/16/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2010 1419	DLB		35919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	4.7	J	10	0.061	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.027	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.17	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.010	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.20	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.30	J	0.50	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.085	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.17	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.17	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.17	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.069	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.061	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.071	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.054	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.023	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.079	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.094	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.087	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.081	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.18	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.090	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.029	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.30	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.019	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.17	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.015	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.013	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.014	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.17	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.029	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.031	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: LF16005-002
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 06/16/2010 0850
Date Received: 06/16/2010

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/16/2010 1419	DLB		35919

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.024	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.051	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.065	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ35919-001
Batch: 35919
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	0.061	ug/L	06/16/2010 1344
Benzene	ND		1	0.50	0.027	ug/L	06/16/2010 1344
Bromodichloromethane	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Bromoform	ND		1	0.50	0.010	ug/L	06/16/2010 1344
Bromomethane (Methyl bromide)	ND		1	0.50	0.20	ug/L	06/16/2010 1344
2-Butanone (MEK)	ND		1	10	2.0	ug/L	06/16/2010 1344
Carbon disulfide	ND		1	0.50	0.097	ug/L	06/16/2010 1344
Carbon tetrachloride	ND		1	0.50	0.085	ug/L	06/16/2010 1344
Chlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Chloroethane	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Chloroform	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Chloromethane (Methyl chloride)	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Cyclohexane	ND		1	0.50	0.30	ug/L	06/16/2010 1344
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.069	ug/L	06/16/2010 1344
Dibromochloromethane	ND		1	0.50	0.17	ug/L	06/16/2010 1344
1,2-Dibromoethane (EDB)	ND		1	0.50	0.061	ug/L	06/16/2010 1344
1,2-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
1,4-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
1,3-Dichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Dichlorodifluoromethane	ND		1	0.50	0.071	ug/L	06/16/2010 1344
1,1-Dichloroethane	ND		1	0.50	0.054	ug/L	06/16/2010 1344
1,2-Dichloroethane	ND		1	0.50	0.023	ug/L	06/16/2010 1344
1,1-Dichloroethene	ND		1	0.50	0.094	ug/L	06/16/2010 1344
trans-1,2-Dichloroethene	ND		1	0.50	0.079	ug/L	06/16/2010 1344
cis-1,2-Dichloroethene	ND		1	0.50	0.087	ug/L	06/16/2010 1344
1,2-Dichloropropane	ND		1	0.50	0.081	ug/L	06/16/2010 1344
trans-1,3-Dichloropropene	ND		1	0.50	0.18	ug/L	06/16/2010 1344
cis-1,3-Dichloropropene	ND		1	0.50	0.090	ug/L	06/16/2010 1344
Ethylbenzene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
2-Hexanone	ND		1	10	0.27	ug/L	06/16/2010 1344
Isopropylbenzene	ND		1	0.50	0.029	ug/L	06/16/2010 1344
Methyl acetate	ND		1	1.0	0.30	ug/L	06/16/2010 1344
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.019	ug/L	06/16/2010 1344
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	06/16/2010 1344
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/16/2010 1344
Methylene chloride	ND		1	0.50	0.17	ug/L	06/16/2010 1344
Styrene	ND		1	0.50	0.015	ug/L	06/16/2010 1344
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.013	ug/L	06/16/2010 1344
Tetrachloroethene	ND		1	0.50	0.014	ug/L	06/16/2010 1344
Toluene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.30	ug/L	06/16/2010 1344
1,2,4-Trichlorobenzene	ND		1	0.50	0.17	ug/L	06/16/2010 1344
1,1,1-Trichloroethane	ND		1	0.50	0.029	ug/L	06/16/2010 1344
1,1,2-Trichloroethane	ND		1	0.50	0.031	ug/L	06/16/2010 1344

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: LQ35919-001
Batch: 35919
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.024	ug/L	06/16/2010 1344
Trichlorofluoromethane	ND		1	0.50	0.051	ug/L	06/16/2010 1344
Vinyl chloride	ND		1	0.50	0.065	ug/L	06/16/2010 1344
Xylenes (total)	ND		1	0.50	0.17	ug/L	06/16/2010 1344

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ35919-002
Batch: 35919
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	91		1	91	46-153	06/16/2010 1218
Benzene	50	45		1	89	70-130	06/16/2010 1218
Bromodichloromethane	50	50		1	99	70-130	06/16/2010 1218
Bromoform	50	38		1	77	70-130	06/16/2010 1218
Bromomethane (Methyl bromide)	50	42		1	85	60-140	06/16/2010 1218
2-Butanone (MEK)	100	84		1	84	60-140	06/16/2010 1218
Carbon disulfide	50	51		1	103	60-140	06/16/2010 1218
Carbon tetrachloride	50	47		1	93	70-130	06/16/2010 1218
Chlorobenzene	50	43		1	87	70-130	06/16/2010 1218
Chloroethane	50	45		1	90	42-163	06/16/2010 1218
Chloroform	50	48		1	97	70-130	06/16/2010 1218
Chloromethane (Methyl chloride)	50	47		1	93	20-158	06/16/2010 1218
Cyclohexane	50	51		1	102	70-130	06/16/2010 1218
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	06/16/2010 1218
Dibromochloromethane	50	41		1	83	70-130	06/16/2010 1218
1,2-Dibromoethane (EDB)	50	45		1	89	70-130	06/16/2010 1218
1,2-Dichlorobenzene	50	44		1	88	70-130	06/16/2010 1218
1,4-Dichlorobenzene	50	44		1	88	70-130	06/16/2010 1218
1,3-Dichlorobenzene	50	44		1	89	70-130	06/16/2010 1218
Dichlorodifluoromethane	50	43		1	87	60-140	06/16/2010 1218
1,1-Dichloroethane	50	47		1	93	70-130	06/16/2010 1218
1,2-Dichloroethane	50	50		1	100	70-130	06/16/2010 1218
1,1-Dichloroethene	50	44		1	88	70-130	06/16/2010 1218
trans-1,2-Dichloroethene	50	45		1	89	70-130	06/16/2010 1218
cis-1,2-Dichloroethene	50	45		1	90	70-130	06/16/2010 1218
1,2-Dichloropropane	50	46		1	93	70-130	06/16/2010 1218
trans-1,3-Dichloropropene	50	42		1	85	70-130	06/16/2010 1218
cis-1,3-Dichloropropene	50	45		1	90	70-130	06/16/2010 1218
Ethylbenzene	50	45		1	90	70-130	06/16/2010 1218
2-Hexanone	100	93		1	93	60-140	06/16/2010 1218
Isopropylbenzene	50	45		1	91	70-130	06/16/2010 1218
Methyl acetate	50	45		1	89	15-128	06/16/2010 1218
Methyl tertiary butyl ether (MTBE)	50	46		1	91	70-130	06/16/2010 1218
4-Methyl-2-pentanone	100	96		1	96	60-140	06/16/2010 1218
Methylcyclohexane	50	49		1	97	70-130	06/16/2010 1218
Methylene chloride	50	44		1	88	70-130	06/16/2010 1218
Styrene	50	42		1	84	70-130	06/16/2010 1218
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	06/16/2010 1218
Tetrachloroethene	50	45		1	90	70-130	06/16/2010 1218
Toluene	50	47		1	93	70-130	06/16/2010 1218
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	70-130	06/16/2010 1218
1,2,4-Trichlorobenzene	50	47		1	94	70-130	06/16/2010 1218
1,1,1-Trichloroethane	50	51		1	102	70-130	06/16/2010 1218
1,1,2-Trichloroethane	50	43		1	86	70-130	06/16/2010 1218

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: LQ35919-002
Batch: 35919
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	45		1	90	70-130	06/16/2010 1218
Trichlorofluoromethane	50	50		1	100	60-140	06/16/2010 1218
Vinyl chloride	50	45		1	91	60-140	06/16/2010 1218
Xylenes (total)	100	91		1	91	70-130	06/16/2010 1218

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		118	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ35919-003
Batch: 35919
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	78		1	78	15	46-153	20	06/16/2010 1240
Benzene	50	43		1	87	2.4	70-130	20	06/16/2010 1240
Bromodichloromethane	50	47		1	95	4.4	70-130	20	06/16/2010 1240
Bromoform	50	37		1	75	2.6	70-130	20	06/16/2010 1240
Bromomethane (Methyl bromide)	50	41		1	81	3.6	60-140	20	06/16/2010 1240
2-Butanone (MEK)	100	80		1	80	5.2	60-140	20	06/16/2010 1240
Carbon disulfide	50	49		1	99	4.1	60-140	20	06/16/2010 1240
Carbon tetrachloride	50	43		1	86	7.7	70-130	20	06/16/2010 1240
Chlorobenzene	50	43		1	86	1.2	70-130	20	06/16/2010 1240
Chloroethane	50	43		1	86	4.1	42-163	20	06/16/2010 1240
Chloroform	50	46		1	92	4.9	70-130	20	06/16/2010 1240
Chloromethane (Methyl chloride)	50	42		1	84	11	20-158	20	06/16/2010 1240
Cyclohexane	50	48		1	95	6.6	70-130	20	06/16/2010 1240
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	82	8.6	70-130	20	06/16/2010 1240
Dibromochloromethane	50	40		1	80	3.0	70-130	20	06/16/2010 1240
1,2-Dibromoethane (EDB)	50	44		1	88	1.7	70-130	20	06/16/2010 1240
1,2-Dichlorobenzene	50	43		1	87	1.8	70-130	20	06/16/2010 1240
1,4-Dichlorobenzene	50	44		1	88	0.073	70-130	20	06/16/2010 1240
1,3-Dichlorobenzene	50	44		1	88	0.65	70-130	20	06/16/2010 1240
Dichlorodifluoromethane	50	39		1	78	10	60-140	20	06/16/2010 1240
1,1-Dichloroethane	50	44		1	89	5.0	70-130	20	06/16/2010 1240
1,2-Dichloroethane	50	47		1	94	6.3	70-130	20	06/16/2010 1240
1,1-Dichloroethene	50	43		1	86	2.4	70-130	20	06/16/2010 1240
trans-1,2-Dichloroethene	50	43		1	87	2.9	70-130	20	06/16/2010 1240
cis-1,2-Dichloroethene	50	44		1	88	1.7	70-130	20	06/16/2010 1240
1,2-Dichloropropane	50	45		1	90	3.1	70-130	20	06/16/2010 1240
trans-1,3-Dichloropropene	50	41		1	82	3.2	70-130	20	06/16/2010 1240
cis-1,3-Dichloropropene	50	43		1	86	3.6	70-130	20	06/16/2010 1240
Ethylbenzene	50	44		1	88	1.7	70-130	20	06/16/2010 1240
2-Hexanone	100	86		1	86	8.6	60-140	20	06/16/2010 1240
Isopropylbenzene	50	45		1	90	0.82	70-130	20	06/16/2010 1240
Methyl acetate	50	41		1	82	8.9	15-128	20	06/16/2010 1240
Methyl tertiary butyl ether (MTBE)	50	44		1	87	4.5	70-130	20	06/16/2010 1240
4-Methyl-2-pentanone	100	89		1	89	7.2	60-140	20	06/16/2010 1240
Methylcyclohexane	50	47		1	94	3.6	70-130	20	06/16/2010 1240
Methylene chloride	50	42		1	84	4.4	70-130	20	06/16/2010 1240
Styrene	50	41		1	82	1.6	70-130	20	06/16/2010 1240
1,1,2,2-Tetrachloroethane	50	45		1	90	2.4	70-130	20	06/16/2010 1240
Tetrachloroethene	50	44		1	89	1.9	70-130	20	06/16/2010 1240
Toluene	50	45		1	91	3.0	70-130	20	06/16/2010 1240
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	1.9	70-130	20	06/16/2010 1240
1,2,4-Trichlorobenzene	50	46		1	91	2.7	70-130	20	06/16/2010 1240
1,1,1-Trichloroethane	50	48		1	96	5.8	70-130	20	06/16/2010 1240
1,1,2-Trichloroethane	50	42		1	84	2.1	70-130	20	06/16/2010 1240

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: LQ35919-003
Batch: 35919
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	45		1	89	0.60	70-130	20	06/16/2010 1240
Trichlorofluoromethane	50	47		1	93	6.7	60-140	20	06/16/2010 1240
Vinyl chloride	50	42		1	85	6.4	60-140	20	06/16/2010 1240
Xylenes (total)	100	89		1	89	2.3	70-130	20	06/16/2010 1240

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY *Chain of Custody Record*

Number 104908

Client: Arcadis	Report to Contact: Scott Boston	Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.boston@arcadis-us.com	Quote No.
Address: 2849 Paces Ferry Rd. #400	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: Atlanta	State: GA	Zip Code: 30339	Analysis (Attach list if more space is needed.)
Project Name: HAA-15	Printed Name: Josh Frizzell		
Project No.: GP08HAFJ H15B	P.O. No.		Lot No.: LF 16005

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	SDS Kit	8260B VOCs	Remarks / Cooler I.D.
H15-MW-05B (061510)	6-15-2010	1455	G	X						3			X	
Trip Blank										2			X	

6-15-2010

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☒ Rush (Specify) 24 hour TAT

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by			1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by FEDEX	6-16-10	0830	3. Laboratory received by	6/16/10	0830

Comments:

LAB USE ONLY: Received on ice (Circle) (Yes) No Ice Pack — Receipt Temp: 1.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc
Document Number: S-AD-016
Revision Number: 6

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arendi's Cooler Inspected by/date: EA 4/16/16 Lot #: LF-16005

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	NA ☐	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 1.6 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GCOFI

Lot Number: MH13005

Date Completed: 08/17/2011

Nisreen Saikaly
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH13005

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH13005

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: MH13005

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-13C (081211)	Aqueous	08/12/2011 0818	08/13/2011

(1 sample)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH13005

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-13C (081211)	Aqueous	Benzene	8260B	0.13	J	ug/L	5
001	H15-MW-13C (081211)	Aqueous	Carbon disulfide	8260B	1.6		ug/L	5
001	H15-MW-13C (081211)	Aqueous	Chloroform	8260B	1.8		ug/L	5
001	H15-MW-13C (081211)	Aqueous	cis-1,2-Dichloroethene	8260B	12		ug/L	5
001	H15-MW-13C (081211)	Aqueous	Trichloroethene	8260B	0.72	J	ug/L	5

(5 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH13005-001
Description: H15-MW-13C (081211)
Matrix: Aqueous
Date Sampled: 08/12/2011 0818
Date Received: 08/13/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/16/2011 1701	BM		65809

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.13	J	1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	1.6		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	1.8		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	12		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	0.72	J	1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH13005-001
Description: H15-MW-13C (081211)
Matrix: Aqueous
Date Sampled: 08/12/2011 0818
Date Received: 08/13/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		126	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ65809-001
Batch: 65809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/16/2011 1139
Benzene	ND		1	1.0	0.13	ug/L	08/16/2011 1139
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/16/2011 1139
Bromoform	ND		1	1.0	0.66	ug/L	08/16/2011 1139
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/16/2011 1139
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/16/2011 1139
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/16/2011 1139
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/16/2011 1139
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/16/2011 1139
Chloroethane	ND		1	2.0	0.47	ug/L	08/16/2011 1139
Chloroform	ND		1	1.0	0.33	ug/L	08/16/2011 1139
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/16/2011 1139
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/16/2011 1139
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/16/2011 1139
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/16/2011 1139
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/16/2011 1139
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/16/2011 1139
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/16/2011 1139
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/16/2011 1139
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/16/2011 1139
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
2-Hexanone	ND		1	10	0.27	ug/L	08/16/2011 1139
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/16/2011 1139
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/16/2011 1139
Methylene chloride	ND		1	1.0	0.33	ug/L	08/16/2011 1139
Styrene	ND		1	1.0	0.12	ug/L	08/16/2011 1139
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/16/2011 1139
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/16/2011 1139
Toluene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/16/2011 1139
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/16/2011 1139
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/16/2011 1139
Trichloroethene	ND		1	1.0	0.18	ug/L	08/16/2011 1139
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/16/2011 1139
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/16/2011 1139

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		120	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ65809-002
Batch: 65809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	100	70-130	08/16/2011 1015
Benzene	50	43		1	86	70-130	08/16/2011 1015
Bromodichloromethane	50	51		1	103	70-130	08/16/2011 1015
Bromoform	50	42		1	84	70-130	08/16/2011 1015
Bromomethane (Methyl bromide)	50	51		1	102	60-140	08/16/2011 1015
2-Butanone (MEK)	100	74		1	74	60-140	08/16/2011 1015
Carbon disulfide	50	47		1	94	60-140	08/16/2011 1015
Carbon tetrachloride	50	53		1	106	70-130	08/16/2011 1015
Chlorobenzene	50	45		1	90	70-130	08/16/2011 1015
Chloroethane	50	51		1	102	42-163	08/16/2011 1015
Chloroform	50	47		1	95	70-130	08/16/2011 1015
Chloromethane (Methyl chloride)	50	45		1	89	70-130	08/16/2011 1015
Dibromochloromethane	50	51		1	102	70-130	08/16/2011 1015
1,2-Dichlorobenzene	50	45		1	91	70-130	08/16/2011 1015
1,3-Dichlorobenzene	50	45		1	90	70-130	08/16/2011 1015
1,4-Dichlorobenzene	50	45		1	90	70-130	08/16/2011 1015
1,2-Dichloroethane	50	53		1	107	70-130	08/16/2011 1015
1,1-Dichloroethane	50	46		1	92	70-130	08/16/2011 1015
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/16/2011 1015
cis-1,2-Dichloroethene	50	44		1	88	70-130	08/16/2011 1015
1,1-Dichloroethene	50	44		1	88	70-130	08/16/2011 1015
1,2-Dichloropropane	50	43		1	86	70-130	08/16/2011 1015
trans-1,3-Dichloropropene	50	48		1	95	70-130	08/16/2011 1015
cis-1,3-Dichloropropene	50	47		1	94	70-130	08/16/2011 1015
Ethylbenzene	50	44		1	88	70-130	08/16/2011 1015
2-Hexanone	100	73		1	73	60-140	08/16/2011 1015
Methyl tertiary butyl ether (MTBE)	50	47		1	94	70-130	08/16/2011 1015
4-Methyl-2-pentanone	100	78		1	78	60-140	08/16/2011 1015
Methylene chloride	50	43		1	86	70-130	08/16/2011 1015
Styrene	50	45		1	90	70-130	08/16/2011 1015
1,1,2,2-Tetrachloroethane	50	40		1	79	60-140	08/16/2011 1015
Tetrachloroethene	50	45		1	89	70-130	08/16/2011 1015
Toluene	50	44		1	88	70-130	08/16/2011 1015
1,2,4-Trichlorobenzene	50	42		1	85	70-130	08/16/2011 1015
1,1,1-Trichloroethane	50	55		1	111	70-130	08/16/2011 1015
1,1,2-Trichloroethane	50	43		1	86	70-130	08/16/2011 1015
Trichloroethene	50	44		1	89	70-130	08/16/2011 1015
Vinyl chloride	50	48		1	96	70-130	08/16/2011 1015
Xylenes (total)	100	90		1	90	70-130	08/16/2011 1015

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		120	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ65809-003
Batch: 65809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	108	8.1	70-130	20	08/16/2011 1035
Benzene	50	44		1	88	2.2	70-130	20	08/16/2011 1035
Bromodichloromethane	50	51		1	102	0.90	70-130	20	08/16/2011 1035
Bromoform	50	42		1	83	0.97	70-130	20	08/16/2011 1035
Bromomethane (Methyl bromide)	50	51		1	102	0.57	60-140	20	08/16/2011 1035
2-Butanone (MEK)	100	77		1	77	4.0	60-140	20	08/16/2011 1035
Carbon disulfide	50	47		1	94	0.36	60-140	20	08/16/2011 1035
Carbon tetrachloride	50	54		1	107	0.95	70-130	20	08/16/2011 1035
Chlorobenzene	50	45		1	91	0.74	70-130	20	08/16/2011 1035
Chloroethane	50	55		1	110	7.6	42-163	20	08/16/2011 1035
Chloroform	50	48		1	96	0.84	70-130	20	08/16/2011 1035
Chloromethane (Methyl chloride)	50	46		1	92	3.1	70-130	20	08/16/2011 1035
Dibromochloromethane	50	51		1	101	0.53	70-130	20	08/16/2011 1035
1,2-Dichlorobenzene	50	46		1	92	1.4	70-130	20	08/16/2011 1035
1,3-Dichlorobenzene	50	45		1	91	1.6	70-130	20	08/16/2011 1035
1,4-Dichlorobenzene	50	45		1	90	0.48	70-130	20	08/16/2011 1035
1,2-Dichloroethane	50	53		1	106	0.79	70-130	20	08/16/2011 1035
1,1-Dichloroethane	50	46		1	93	1.5	70-130	20	08/16/2011 1035
trans-1,2-Dichloroethene	50	48		1	96	0.29	70-130	20	08/16/2011 1035
cis-1,2-Dichloroethene	50	45		1	90	2.4	70-130	20	08/16/2011 1035
1,1-Dichloroethene	50	45		1	90	2.3	70-130	20	08/16/2011 1035
1,2-Dichloropropane	50	44		1	87	1.5	70-130	20	08/16/2011 1035
trans-1,3-Dichloropropene	50	47		1	95	0.41	70-130	20	08/16/2011 1035
cis-1,3-Dichloropropene	50	47		1	93	0.40	70-130	20	08/16/2011 1035
Ethylbenzene	50	45		1	91	2.6	70-130	20	08/16/2011 1035
2-Hexanone	100	74		1	74	1.6	60-140	20	08/16/2011 1035
Methyl tertiary butyl ether (MTBE)	50	48		1	95	0.65	70-130	20	08/16/2011 1035
4-Methyl-2-pentanone	100	78		1	78	0.33	60-140	20	08/16/2011 1035
Methylene chloride	50	43		1	86	0.61	70-130	20	08/16/2011 1035
Styrene	50	45		1	90	0.50	70-130	20	08/16/2011 1035
1,1,2,2-Tetrachloroethane	50	40		1	80	1.6	60-140	20	08/16/2011 1035
Tetrachloroethene	50	46		1	93	4.0	70-130	20	08/16/2011 1035
Toluene	50	45		1	90	1.8	70-130	20	08/16/2011 1035
1,2,4-Trichlorobenzene	50	44		1	88	3.5	70-130	20	08/16/2011 1035
1,1,1-Trichloroethane	50	56		1	111	0.59	70-130	20	08/16/2011 1035
1,1,2-Trichloroethane	50	44		1	88	2.8	70-130	20	08/16/2011 1035
Trichloroethene	50	46		1	91	2.5	70-130	20	08/16/2011 1035
Vinyl chloride	50	49		1	98	1.8	70-130	20	08/16/2011 1035
Xylenes (total)	100	91		1	91	0.57	70-130	20	08/16/2011 1035

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 01906

Client	Report to Contact	Sampler (Printed Name)	Quote No.
ARCADIS	Allison Fang	Allison Fang	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
801 Corporate Center Dr. Suite 300	919-854-1282 allison.fang@arcadis-us.com		1 of 1
City / State / Zip Code	**Preservative**		
Raleigh NC 27607	1. Unpres. 4. HNO_3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H_2SO_4 6. Na Thio.		
Project Name			
HAA-15			
Project Number	**P.O Number**		
GP08HAFS.HSC.6G0FI			

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
HS-MW-13C (081211)	8/12/11	818	G	X					3				1124100 5	

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☒ Rush (Please Specify) 72-hour

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Allison Fang	8/12/11	1200	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: Fedex	8/13/11	1125	4. Laboratory Received by	8/13/11	1128

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.0 °C — Temp. Blank ☐ Y / ☒ N

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: [illegible] 8/13/11 Lot #: M14305

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☒		1. Were custody seals present on the cooler?
Yes ☐	No ☐		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 1.0 °C / °C / °C / °C
/ °C / °C / °C / °C

Method: ☐ Temperature Blank ☒ Against Bottles
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☒	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☒		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☒	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☐	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☐	No ☒	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☒	NA ☐	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee:_____

Comments:_____

This portion can be removed for Recipient's records.
FedEx Tracking Number 8741977035 78

8/12/11

Attn: Allison Fang Phone 919 854-1282

Company: ARCADIS G & M OF NC INC

Address: 801 CORPORATE CENTER DR

City: RALEIGH State: NC ZIP: 27607-5243

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GGOFI

Lot Number: MH12008

Date Completed: 08/17/2011



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH12008

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH12008

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MH12008

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-14B(081111)	Aqueous	08/11/2011 1212	08/12/2011
002	H15-MW-14C(081111)	Aqueous	08/11/2011 1255	08/12/2011
003	H15-MW-10C(081111)	Aqueous	08/11/2011 1400	08/12/2011
004	Trip Blank	Aqueous	08/11/2011	08/12/2011

(4 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH12008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	H15-MW-14C(081111)	Aqueous	Carbon disulfide	8260B	0.23	J	ug/L	7
002	H15-MW-14C(081111)	Aqueous	trans-1,2-Dichloroethene	8260B	13		ug/L	7
002	H15-MW-14C(081111)	Aqueous	cis-1,2-Dichloroethene	8260B	52		ug/L	7
002	H15-MW-14C(081111)	Aqueous	1,1-Dichloroethene	8260B	0.52	J	ug/L	7
002	H15-MW-14C(081111)	Aqueous	Trichloroethene	8260B	48		ug/L	7
002	H15-MW-14C(081111)	Aqueous	Vinyl chloride	8260B	0.35	J	ug/L	7
003	H15-MW-10C(081111)	Aqueous	trans-1,2-Dichloroethene	8260B	14	J	ug/L	9
003	H15-MW-10C(081111)	Aqueous	cis-1,2-Dichloroethene	8260B	9700		ug/L	9
003	H15-MW-10C(081111)	Aqueous	1,1-Dichloroethene	8260B	21	J	ug/L	9
003	H15-MW-10C(081111)	Aqueous	Trichloroethene	8260B	3300		ug/L	9

(10 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-001
Description: H15-MW-14B(081111)
Matrix: Aqueous
Date Sampled: 08/11/2011 1212
Date Received: 08/12/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2011 1903	BM		65707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-001
Description: H15-MW-14B(081111)
Matrix: Aqueous
Date Sampled: 08/11/2011 1212
Date Received: 08/12/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-002
Description: H15-MW-14C(081111)
Matrix: Aqueous
Date Sampled: 08/11/2011 1255
Date Received: 08/12/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2011 1924	BM		65707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.23	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	13		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	52		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.52	J	1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	48		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	0.35	J	1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-002
Description: H15-MW-14C(081111)
Matrix: Aqueous
Date Sampled: 08/11/2011 1255
Date Received: 08/12/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-003
Description: H15-MW-10C(081111)
Matrix: Aqueous
Date Sampled: 08/11/2011 1400
Date Received: 08/12/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/16/2011 1744	BM		65809

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	340	ug/L	1
Benzene	71-43-2	8260B	ND		50	6.6	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		50	17	ug/L	1
Bromoform	75-25-2	8260B	ND		50	33	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	40	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	100	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	4.9	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	6.9	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	17	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	24	ug/L	1
Chloroform	67-66-3	8260B	ND		50	17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	18	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	17	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	17	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	7.4	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		50	6.4	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	14	J	50	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	9700		50	6.1	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	21	J	50	7.9	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	9.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	5.3	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	4.6	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		500	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	20	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		50	17	ug/L	1
Styrene	100-42-5	8260B	ND		50	6.1	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	8.2	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		50	6.6	ug/L	1
Toluene	108-88-3	8260B	ND		50	17	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		50	26	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	11	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50	3.7	ug/L	1
Trichloroethene	79-01-6	8260B	3300		50	9.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		50	2.7	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		50	17	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-003
Description: H15-MW-10C(081111)
Matrix: Aqueous
Date Sampled: 08/11/2011 1400
Date Received: 08/12/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		124	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-004
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/11/2011
Date Received: 08/12/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2011 1737	BM		65707

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH12008-004
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/11/2011
Date Received: 08/12/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ65707-001
Batch: 65707
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/15/2011 1008
Benzene	ND		1	1.0	0.13	ug/L	08/15/2011 1008
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/15/2011 1008
Bromoform	ND		1	1.0	0.66	ug/L	08/15/2011 1008
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/15/2011 1008
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/15/2011 1008
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/15/2011 1008
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/15/2011 1008
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/15/2011 1008
Chloroethane	ND		1	2.0	0.47	ug/L	08/15/2011 1008
Chloroform	ND		1	1.0	0.33	ug/L	08/15/2011 1008
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/15/2011 1008
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/15/2011 1008
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/15/2011 1008
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/15/2011 1008
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/15/2011 1008
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/15/2011 1008
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/15/2011 1008
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/15/2011 1008
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/15/2011 1008
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/15/2011 1008
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/15/2011 1008
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/15/2011 1008
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/15/2011 1008
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/15/2011 1008
2-Hexanone	ND		1	10	0.27	ug/L	08/15/2011 1008
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/15/2011 1008
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/15/2011 1008
Methylene chloride	ND		1	1.0	0.33	ug/L	08/15/2011 1008
Styrene	ND		1	1.0	0.12	ug/L	08/15/2011 1008
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/15/2011 1008
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/15/2011 1008
Toluene	ND		1	1.0	0.33	ug/L	08/15/2011 1008
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/15/2011 1008
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/15/2011 1008
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/15/2011 1008
Trichloroethene	ND		1	1.0	0.18	ug/L	08/15/2011 1008
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/15/2011 1008
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/15/2011 1008

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ65707-002
Batch: 65707
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	108	70-130	08/15/2011 0843
Benzene	50	55		1	110	70-130	08/15/2011 0843
Bromodichloromethane	50	52		1	103	70-130	08/15/2011 0843
Bromoform	50	60		1	119	70-130	08/15/2011 0843
Bromomethane (Methyl bromide)	50	46		1	92	60-140	08/15/2011 0843
2-Butanone (MEK)	100	110		1	111	60-140	08/15/2011 0843
Carbon disulfide	50	57		1	114	60-140	08/15/2011 0843
Carbon tetrachloride	50	57		1	114	70-130	08/15/2011 0843
Chlorobenzene	50	53		1	106	70-130	08/15/2011 0843
Chloroethane	50	50		1	100	42-163	08/15/2011 0843
Chloroform	50	53		1	106	70-130	08/15/2011 0843
Chloromethane (Methyl chloride)	50	43		1	87	70-130	08/15/2011 0843
Dibromochloromethane	50	51		1	103	70-130	08/15/2011 0843
1,3-Dichlorobenzene	50	54		1	108	70-130	08/15/2011 0843
1,2-Dichlorobenzene	50	53		1	106	70-130	08/15/2011 0843
1,4-Dichlorobenzene	50	52		1	104	70-130	08/15/2011 0843
1,1-Dichloroethane	50	54		1	109	70-130	08/15/2011 0843
1,2-Dichloroethane	50	51		1	102	70-130	08/15/2011 0843
1,1-Dichloroethene	50	54		1	108	70-130	08/15/2011 0843
cis-1,2-Dichloroethene	50	52		1	104	70-130	08/15/2011 0843
trans-1,2-Dichloroethene	50	53		1	107	70-130	08/15/2011 0843
1,2-Dichloropropane	50	55		1	110	70-130	08/15/2011 0843
cis-1,3-Dichloropropene	50	54		1	108	70-130	08/15/2011 0843
trans-1,3-Dichloropropene	50	53		1	106	70-130	08/15/2011 0843
Ethylbenzene	50	54		1	109	70-130	08/15/2011 0843
2-Hexanone	100	110		1	108	60-140	08/15/2011 0843
Methyl tertiary butyl ether (MTBE)	50	56		1	111	70-130	08/15/2011 0843
4-Methyl-2-pentanone	100	110		1	115	60-140	08/15/2011 0843
Methylene chloride	50	51		1	102	70-130	08/15/2011 0843
Styrene	50	52		1	104	70-130	08/15/2011 0843
1,1,2,2-Tetrachloroethane	50	58		1	117	60-140	08/15/2011 0843
Tetrachloroethene	50	53		1	105	70-130	08/15/2011 0843
Toluene	50	54		1	109	70-130	08/15/2011 0843
1,2,4-Trichlorobenzene	50	53		1	107	70-130	08/15/2011 0843
1,1,2-Trichloroethane	50	53		1	106	70-130	08/15/2011 0843
1,1,1-Trichloroethane	50	55		1	109	70-130	08/15/2011 0843
Trichloroethene	50	53		1	106	70-130	08/15/2011 0843
Vinyl chloride	50	47		1	94	70-130	08/15/2011 0843
Xylenes (total)	100	110		1	112	70-130	08/15/2011 0843

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ65707-003
Batch: 65707
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	101	7.5	70-130	20	08/15/2011 0904
Benzene	50	52		1	104	5.8	70-130	20	08/15/2011 0904
Bromodichloromethane	50	50		1	100	3.9	70-130	20	08/15/2011 0904
Bromoform	50	57		1	114	4.5	70-130	20	08/15/2011 0904
Bromomethane (Methyl bromide)	50	43		1	86	7.0	60-140	20	08/15/2011 0904
2-Butanone (MEK)	100	100		1	104	6.4	60-140	20	08/15/2011 0904
Carbon disulfide	50	53		1	106	7.3	60-140	20	08/15/2011 0904
Carbon tetrachloride	50	53		1	107	6.0	70-130	20	08/15/2011 0904
Chlorobenzene	50	51		1	101	4.8	70-130	20	08/15/2011 0904
Chloroethane	50	47		1	94	7.1	42-163	20	08/15/2011 0904
Chloroform	50	50		1	101	5.4	70-130	20	08/15/2011 0904
Chloromethane (Methyl chloride)	50	40		1	80	8.1	70-130	20	08/15/2011 0904
Dibromochloromethane	50	49		1	99	4.0	70-130	20	08/15/2011 0904
1,3-Dichlorobenzene	50	51		1	102	5.8	70-130	20	08/15/2011 0904
1,2-Dichlorobenzene	50	51		1	102	3.9	70-130	20	08/15/2011 0904
1,4-Dichlorobenzene	50	50		1	99	5.0	70-130	20	08/15/2011 0904
1,1-Dichloroethane	50	51		1	102	5.9	70-130	20	08/15/2011 0904
1,2-Dichloroethane	50	48		1	97	5.1	70-130	20	08/15/2011 0904
1,1-Dichloroethene	50	51		1	101	6.5	70-130	20	08/15/2011 0904
cis-1,2-Dichloroethene	50	49		1	98	6.0	70-130	20	08/15/2011 0904
trans-1,2-Dichloroethene	50	50		1	100	6.1	70-130	20	08/15/2011 0904
1,2-Dichloropropane	50	52		1	105	5.0	70-130	20	08/15/2011 0904
cis-1,3-Dichloropropene	50	52		1	104	4.3	70-130	20	08/15/2011 0904
trans-1,3-Dichloropropene	50	51		1	102	4.1	70-130	20	08/15/2011 0904
Ethylbenzene	50	53		1	105	3.5	70-130	20	08/15/2011 0904
2-Hexanone	100	100		1	103	5.3	60-140	20	08/15/2011 0904
Methyl tertiary butyl ether (MTBE)	50	53		1	106	4.7	70-130	20	08/15/2011 0904
4-Methyl-2-pentanone	100	110		1	109	5.1	60-140	20	08/15/2011 0904
Methylene chloride	50	48		1	96	5.7	70-130	20	08/15/2011 0904
Styrene	50	49		1	98	5.3	70-130	20	08/15/2011 0904
1,1,2,2-Tetrachloroethane	50	56		1	112	4.4	60-140	20	08/15/2011 0904
Tetrachloroethene	50	51		1	102	3.8	70-130	20	08/15/2011 0904
Toluene	50	52		1	104	4.5	70-130	20	08/15/2011 0904
1,2,4-Trichlorobenzene	50	51		1	102	4.8	70-130	20	08/15/2011 0904
1,1,2-Trichloroethane	50	51		1	102	4.5	70-130	20	08/15/2011 0904
1,1,1-Trichloroethane	50	52		1	103	5.4	70-130	20	08/15/2011 0904
Trichloroethene	50	51		1	102	4.6	70-130	20	08/15/2011 0904
Vinyl chloride	50	44		1	87	6.8	70-130	20	08/15/2011 0904
Xylenes (total)	100	110		1	107	4.9	70-130	20	08/15/2011 0904

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ65809-001
Batch: 65809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/16/2011 1139
Benzene	ND		1	1.0	0.13	ug/L	08/16/2011 1139
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/16/2011 1139
Bromoform	ND		1	1.0	0.66	ug/L	08/16/2011 1139
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/16/2011 1139
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/16/2011 1139
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/16/2011 1139
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/16/2011 1139
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/16/2011 1139
Chloroethane	ND		1	2.0	0.47	ug/L	08/16/2011 1139
Chloroform	ND		1	1.0	0.33	ug/L	08/16/2011 1139
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/16/2011 1139
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/16/2011 1139
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/16/2011 1139
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/16/2011 1139
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/16/2011 1139
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/16/2011 1139
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/16/2011 1139
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/16/2011 1139
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/16/2011 1139
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
2-Hexanone	ND		1	10	0.27	ug/L	08/16/2011 1139
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/16/2011 1139
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/16/2011 1139
Methylene chloride	ND		1	1.0	0.33	ug/L	08/16/2011 1139
Styrene	ND		1	1.0	0.12	ug/L	08/16/2011 1139
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/16/2011 1139
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/16/2011 1139
Toluene	ND		1	1.0	0.33	ug/L	08/16/2011 1139
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/16/2011 1139
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/16/2011 1139
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/16/2011 1139
Trichloroethene	ND		1	1.0	0.18	ug/L	08/16/2011 1139
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/16/2011 1139
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/16/2011 1139

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		120	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ65809-002
Batch: 65809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	100	70-130	08/16/2011 1015
Benzene	50	43		1	86	70-130	08/16/2011 1015
Bromodichloromethane	50	51		1	103	70-130	08/16/2011 1015
Bromoform	50	42		1	84	70-130	08/16/2011 1015
Bromomethane (Methyl bromide)	50	51		1	102	60-140	08/16/2011 1015
2-Butanone (MEK)	100	74		1	74	60-140	08/16/2011 1015
Carbon disulfide	50	47		1	94	60-140	08/16/2011 1015
Carbon tetrachloride	50	53		1	106	70-130	08/16/2011 1015
Chlorobenzene	50	45		1	90	70-130	08/16/2011 1015
Chloroethane	50	51		1	102	42-163	08/16/2011 1015
Chloroform	50	47		1	95	70-130	08/16/2011 1015
Chloromethane (Methyl chloride)	50	45		1	89	70-130	08/16/2011 1015
Dibromochloromethane	50	51		1	102	70-130	08/16/2011 1015
1,2-Dichlorobenzene	50	45		1	91	70-130	08/16/2011 1015
1,3-Dichlorobenzene	50	45		1	90	70-130	08/16/2011 1015
1,4-Dichlorobenzene	50	45		1	90	70-130	08/16/2011 1015
1,2-Dichloroethane	50	53		1	107	70-130	08/16/2011 1015
1,1-Dichloroethane	50	46		1	92	70-130	08/16/2011 1015
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/16/2011 1015
cis-1,2-Dichloroethene	50	44		1	88	70-130	08/16/2011 1015
1,1-Dichloroethene	50	44		1	88	70-130	08/16/2011 1015
1,2-Dichloropropane	50	43		1	86	70-130	08/16/2011 1015
trans-1,3-Dichloropropene	50	48		1	95	70-130	08/16/2011 1015
cis-1,3-Dichloropropene	50	47		1	94	70-130	08/16/2011 1015
Ethylbenzene	50	44		1	88	70-130	08/16/2011 1015
2-Hexanone	100	73		1	73	60-140	08/16/2011 1015
Methyl tertiary butyl ether (MTBE)	50	47		1	94	70-130	08/16/2011 1015
4-Methyl-2-pentanone	100	78		1	78	60-140	08/16/2011 1015
Methylene chloride	50	43		1	86	70-130	08/16/2011 1015
Styrene	50	45		1	90	70-130	08/16/2011 1015
1,1,2,2-Tetrachloroethane	50	40		1	79	60-140	08/16/2011 1015
Tetrachloroethene	50	45		1	89	70-130	08/16/2011 1015
Toluene	50	44		1	88	70-130	08/16/2011 1015
1,2,4-Trichlorobenzene	50	42		1	85	70-130	08/16/2011 1015
1,1,1-Trichloroethane	50	55		1	111	70-130	08/16/2011 1015
1,1,2-Trichloroethane	50	43		1	86	70-130	08/16/2011 1015
Trichloroethene	50	44		1	89	70-130	08/16/2011 1015
Vinyl chloride	50	48		1	96	70-130	08/16/2011 1015
Xylenes (total)	100	90		1	90	70-130	08/16/2011 1015

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		120	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ65809-003
Batch: 65809
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	108	8.1	70-130	20	08/16/2011 1035
Benzene	50	44		1	88	2.2	70-130	20	08/16/2011 1035
Bromodichloromethane	50	51		1	102	0.90	70-130	20	08/16/2011 1035
Bromoform	50	42		1	83	0.97	70-130	20	08/16/2011 1035
Bromomethane (Methyl bromide)	50	51		1	102	0.57	60-140	20	08/16/2011 1035
2-Butanone (MEK)	100	77		1	77	4.0	60-140	20	08/16/2011 1035
Carbon disulfide	50	47		1	94	0.36	60-140	20	08/16/2011 1035
Carbon tetrachloride	50	54		1	107	0.95	70-130	20	08/16/2011 1035
Chlorobenzene	50	45		1	91	0.74	70-130	20	08/16/2011 1035
Chloroethane	50	55		1	110	7.6	42-163	20	08/16/2011 1035
Chloroform	50	48		1	96	0.84	70-130	20	08/16/2011 1035
Chloromethane (Methyl chloride)	50	46		1	92	3.1	70-130	20	08/16/2011 1035
Dibromochloromethane	50	51		1	101	0.53	70-130	20	08/16/2011 1035
1,2-Dichlorobenzene	50	46		1	92	1.4	70-130	20	08/16/2011 1035
1,3-Dichlorobenzene	50	45		1	91	1.6	70-130	20	08/16/2011 1035
1,4-Dichlorobenzene	50	45		1	90	0.48	70-130	20	08/16/2011 1035
1,2-Dichloroethane	50	53		1	106	0.79	70-130	20	08/16/2011 1035
1,1-Dichloroethane	50	46		1	93	1.5	70-130	20	08/16/2011 1035
trans-1,2-Dichloroethene	50	48		1	96	0.29	70-130	20	08/16/2011 1035
cis-1,2-Dichloroethene	50	45		1	90	2.4	70-130	20	08/16/2011 1035
1,1-Dichloroethene	50	45		1	90	2.3	70-130	20	08/16/2011 1035
1,2-Dichloropropane	50	44		1	87	1.5	70-130	20	08/16/2011 1035
trans-1,3-Dichloropropene	50	47		1	95	0.41	70-130	20	08/16/2011 1035
cis-1,3-Dichloropropene	50	47		1	93	0.40	70-130	20	08/16/2011 1035
Ethylbenzene	50	45		1	91	2.6	70-130	20	08/16/2011 1035
2-Hexanone	100	74		1	74	1.6	60-140	20	08/16/2011 1035
Methyl tertiary butyl ether (MTBE)	50	48		1	95	0.65	70-130	20	08/16/2011 1035
4-Methyl-2-pentanone	100	78		1	78	0.33	60-140	20	08/16/2011 1035
Methylene chloride	50	43		1	86	0.61	70-130	20	08/16/2011 1035
Styrene	50	45		1	90	0.50	70-130	20	08/16/2011 1035
1,1,2,2-Tetrachloroethane	50	40		1	80	1.6	60-140	20	08/16/2011 1035
Tetrachloroethene	50	46		1	93	4.0	70-130	20	08/16/2011 1035
Toluene	50	45		1	90	1.8	70-130	20	08/16/2011 1035
1,2,4-Trichlorobenzene	50	44		1	88	3.5	70-130	20	08/16/2011 1035
1,1,1-Trichloroethane	50	56		1	111	0.59	70-130	20	08/16/2011 1035
1,1,2-Trichloroethane	50	44		1	88	2.8	70-130	20	08/16/2011 1035
Trichloroethene	50	46		1	91	2.5	70-130	20	08/16/2011 1035
Vinyl chloride	50	49		1	98	1.8	70-130	20	08/16/2011 1035
Xylenes (total)	100	91		1	91	0.57	70-130	20	08/16/2011 1035

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 01684

Client: ARCADIS	Report to Contact: allison Fang	Sampler (Printed Name): Allison Fang	Quote No.
Address: 801 Corporate Center Dr. Suite 300	Telephone No. / Fax No. / Email: 919-854-1282 allison.fang@arcadis-us.com	Waybill No.	Page: 1 of 1
City: Raleigh / State: NC / Zip Code: 27607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: GP08HAFS.HI5C.G60FI			Lot No. MH12008 MH10019 OCW 8/12/11
Project Number: HAA-15	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Ga/Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC. (8260)	Remarks / Cooler ID
HI5-MW-14B (083111)	8/11/11	1212	G	X					3	Trip Blank included on HAA-15 IDW COC, report trip blank results on this report also
HI5-MW-14C (083111)	8/11/11	1255	G	X					3	
HI5-MW-10C (083111)	8/11/11	1400	G	X					3	

8/11/2011

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☒ Rush (Please Specify) 72-hour	Sample Disposal: ☐ Return to Client ☐ Disposal by Lab	QC Requirements (Specify)	Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown			
1. Relinquished by / Sampler: Allison Fang	Date: 8/11/11	Time: 1830	1. Received by	Date	Time	
2. Relinquished by	Date	Time	2. Received by	Date	Time	
3. Relinquished by	Date	Time	3. Received by	Date	Time	
4. Relinquished by: FEDEX 8-12-11	Date	Time: 0900	4. Laboratory Received by	Date: 8-12-11	Time: 0900	

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1-7 °C — Temp. Blank ☐ Y / ☒ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Page 1 of 1
Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: EC 8/12/11 Lot #: MH12608

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☐	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt / 3.1 °C / °C / °C / °C / °C / °C / °C / °C			
Method: ☐ Temperature Blank ☑ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☐	No ☑		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

This portion can be removed for recipient's records.

FedEx Tracking Number 874197703453

Phone

Company

Address

State NC ZIP

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee:_____

Comments:_____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GG0F1

Lot Number: MH23016

Date Completed: 08/30/2011



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH23016

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH23016

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The MS/MSD recoveries in batch 66464 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.
The LCSD recovery for 1,2-Dichloroethane-d4 and Toluene-d8 was outside method control limits in batch 66672. The LCS results were within limits. Therefore the associated sample results were reported and no corrective action was required.

The LCS/LCSD recovery for Acetone exceeded method control limits in batch 66677; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MH23016

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-20E(46-48)	Solid	08/21/2011 1330	08/23/2011
002	H15-MW-20E(51-53)	Solid	08/21/2011 1345	08/23/2011
003	H15-MW-20E(56-58)	Solid	08/21/2011 1410	08/23/2011
004	H15-MW-20E(61-63)	Solid	08/21/2011 1430	08/23/2011
005	H15-MW-20E(66-68)	Solid	08/21/2011 1500	08/23/2011
006	H15-MW-20E(71-73)	Solid	08/21/2011 1530	08/23/2011
007	H15-MW-20E(76-78)	Solid	08/21/2011 1615	08/23/2011
008	H15-MW-20E(81-83)	Solid	08/21/2011 1700	08/23/2011
009	H15-MW-20E(86-88)	Solid	08/22/2011 0845	08/23/2011
010	H15-MW-20E(91-93)	Solid	08/22/2011 0930	08/23/2011
011	H15-MW-20E(96-98)	Solid	08/22/2011 1015	08/23/2011
012	H15-MW-20E()101-103)	Solid	08/22/2011 1100	08/23/2011
013	H15-MW-20E(106-108)	Solid	08/22/2011 1130	08/23/2011
014	H15-MW-20E(111-113)	Solid	08/22/2011 1230	08/23/2011
015	H15-MW-20E(116-118)	Solid	08/22/2011 1300	08/23/2011
016	Trip Blank(082211)	Aqueous	08/22/2011	08/23/2011

(16 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH23016

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-20E(46-48)	Solid	Carbon disulfide	8260B	6.0	J	ug/kg	5
001	H15-MW-20E(46-48)	Solid	cis-1,2-Dichloroethene	8260B	55		ug/kg	5
001	H15-MW-20E(46-48)	Solid	Trichloroethene	8260B	580		ug/kg	6
002	H15-MW-20E(51-53)	Solid	Acetone	8260B	35	B	ug/kg	7
002	H15-MW-20E(51-53)	Solid	Carbon disulfide	8260B	2.2	J	ug/kg	7
002	H15-MW-20E(51-53)	Solid	1,1-Dichloroethene	8260B	1.5	J	ug/kg	7
002	H15-MW-20E(51-53)	Solid	cis-1,2-Dichloroethene	8260B	140		ug/kg	7
002	H15-MW-20E(51-53)	Solid	Trichloroethene	8260B	760		ug/kg	8
003	H15-MW-20E(56-58)	Solid	Carbon disulfide	8260B	4.7	J	ug/kg	9
003	H15-MW-20E(56-58)	Solid	cis-1,2-Dichloroethene	8260B	2.5	J	ug/kg	9
003	H15-MW-20E(56-58)	Solid	Trichloroethene	8260B	64		ug/kg	10
004	H15-MW-20E(61-63)	Solid	Carbon disulfide	8260B	9.1		ug/kg	11
005	H15-MW-20E(66-68)	Solid	Acetone	8260B	50	B	ug/kg	13
005	H15-MW-20E(66-68)	Solid	Carbon disulfide	8260B	64		ug/kg	13
006	H15-MW-20E(71-73)	Solid	Acetone	8260B	220	B	ug/kg	15
006	H15-MW-20E(71-73)	Solid	2-Butanone (MEK)	8260B	9.2	J	ug/kg	15
006	H15-MW-20E(71-73)	Solid	Carbon disulfide	8260B	50		ug/kg	15
007	H15-MW-20E(76-78)	Solid	Toluene	8260B	12		ug/kg	17
007	H15-MW-20E(76-78)	Solid	1,2,4-Trichlorobenzene	8260B	7.9	J	ug/kg	17
007	H15-MW-20E(76-78)	Solid	Xylenes (total)	8260B	190		ug/kg	18
008	H15-MW-20E(81-83)	Solid	Carbon disulfide	8260B	14		ug/kg	19
009	H15-MW-20E(86-88)	Solid	Carbon disulfide	8260B	14		ug/kg	21
010	H15-MW-20E(91-93)	Solid	Carbon disulfide	8260B	17		ug/kg	23
011	H15-MW-20E(96-98)	Solid	Carbon disulfide	8260B	14		ug/kg	25
012	H15-MW-20E()101-103)	Solid	Carbon disulfide	8260B	17		ug/kg	27
013	H15-MW-20E(106-108)	Solid	Carbon disulfide	8260B	59		ug/kg	29
014	H15-MW-20E(111-113)	Solid	Acetone	8260B	38	BJ	ug/kg	31
014	H15-MW-20E(111-113)	Solid	Carbon disulfide	8260B	130		ug/kg	31
015	H15-MW-20E(116-118)	Solid	Acetone	8260B	50		ug/kg	33
015	H15-MW-20E(116-118)	Solid	Carbon disulfide	8260B	30		ug/kg	33
016	Trip Blank(082211)	Aqueous	Methylene chloride	8260B	0.36	J	ug/L	35

(31 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-001
Description: H15-MW-20E(46-48)
Matrix: Solid
Date Sampled: 08/21/2011 1330
% Solids: 82.6 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1116	SAS		66464	1.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		91	31	ug/kg	1
Benzene	71-43-2	8260B	ND		23	5.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		23	7.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		23	3.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		23	8.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		46	11	ug/kg	1
Carbon disulfide	75-15-0	8260B	6.0	J	23	5.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		23	8.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		23	7.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		23	5.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		23	3.8	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		23	4.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		23	3.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		23	6.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		23	7.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		23	3.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		23	7.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		23	7.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		23	7.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		23	7.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		23	3.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		23	4.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		23	7.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	55		23	3.5	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		23	6.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		23	4.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		23	3.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		23	3.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		23	7.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		46	5.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		23	1.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		23	4.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		23	1.8	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		46	6.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		23	1.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		23	12	ug/kg	1
Styrene	100-42-5	8260B	ND		23	5.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		23	2.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		23	2.3	ug/kg	1
Toluene	108-88-3	8260B	ND		23	7.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		23	2.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		23	7.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		23	3.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		23	3.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-001
Description: H15-MW-20E(46-48)
Matrix: Solid
Date Sampled: 08/21/2011 1330
% Solids: 82.6 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1116	SAS		66464	1.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	580		23	8.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		23	6.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		23	3.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		23	13	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-002
Description: H15-MW-20E(51-53)
Matrix: Solid
Date Sampled: 08/21/2011 1345
% Solids: 84.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1138	SAS		66464	6.63
2	5035	8260B	50	08/29/2011 1856	SAS		66672	6.47

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	35	B	18	6.0	ug/kg	1
Benzene	71-43-2	8260B	ND		4.4	0.98	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.4	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.4	0.62	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.4	1.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.9	2.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.2	J	4.4	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.4	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.4	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.4	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.4	0.74	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.4	0.89	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.4	0.60	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.4	1.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.4	1.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.4	0.76	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.4	1.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.4	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.4	1.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.4	1.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.4	0.65	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.4	0.89	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	1.5	J	4.4	1.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	140		4.4	0.68	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.4	1.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.4	0.81	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.4	0.60	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.4	0.73	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.4	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.9	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.4	0.20	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.4	0.87	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.4	0.36	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.9	1.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.4	0.36	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.4	2.3	ug/kg	1
Styrene	100-42-5	8260B	ND		4.4	0.98	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.4	0.42	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.4	0.44	ug/kg	1
Toluene	108-88-3	8260B	ND		4.4	1.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.4	0.56	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.4	0.76	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-002
Description: H15-MW-20E(51-53)
Matrix: Solid
Date Sampled: 08/21/2011 1345
% Solids: 84.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1138	SAS		66464	6.63
2	5035	8260B	50	08/29/2011 1856	SAS		66672	6.47

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.4	0.70	ug/kg	1
Trichloroethene	79-01-6	8260B	760		230	87	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		4.4	1.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.4	0.76	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.4	2.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142		102	53-142
Bromofluorobenzene		97	47-138		67	47-138
Toluene-d8		98	68-124		84	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-003
Description: H15-MW-20E(56-58)
Matrix: Solid
Date Sampled: 08/21/2011 1410
% Solids: 80.2 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1200	SAS		66464	5.99
2	5035	8260B	1	08/26/2011 1240	SAS		66586	5.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	4.7	J	5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.5	J	5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.66	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-003
Description: H15-MW-20E(56-58)
Matrix: Solid
Date Sampled: 08/21/2011 1410
% Solids: 80.2 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1200	SAS		66464	5.99
2	5035	8260B	1	08/26/2011 1240	SAS		66586	5.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	64		5.9	2.3	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142		93	53-142
Bromofluorobenzene		92	47-138		104	47-138
Toluene-d8		97	68-124		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-004
Description: H15-MW-20E(61-63)
Matrix: Solid
Date Sampled: 08/21/2011 1430
% Solids: 82.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1222	SAS		66464	5.71

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.74	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	9.1		5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	0.71	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.90	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	0.80	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.96	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	0.53	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	0.67	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.90	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	0.83	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: H15-MW-20E(61-63)
Date Sampled: 08/21/2011 1430
Date Received: 08/23/2011

Laboratory ID: MH23016-004
Matrix: Solid
% Solids: 82.9 08/23/2011 2147

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1222	SAS		66464	5.71

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.3	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.3	0.91	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-005
Description: H15-MW-20E(66-68)
Matrix: Solid
Date Sampled: 08/21/2011 1500
% Solids: 65.1 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1244	SAS		66464	5.30

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	50	B	29	9.7	ug/kg	1
Benzene	71-43-2	8260B	ND		7.2	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.2	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.2	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.2	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	64		7.2	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.2	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.2	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.2	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.2	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.2	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.2	0.98	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.2	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.2	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.2	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.2	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.2	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.2	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.2	2.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.2	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.2	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.2	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.2	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.2	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.2	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.2	0.99	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.2	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.2	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.2	0.33	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.2	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.2	0.58	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.2	0.59	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.2	3.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.2	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.2	0.68	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.2	0.72	ug/kg	1
Toluene	108-88-3	8260B	ND		7.2	2.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.2	0.91	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.2	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.2	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.2	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-005
Description: H15-MW-20E(66-68)
Matrix: Solid
Date Sampled: 08/21/2011 1500
% Solids: 65.1 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1244	SAS		66464	5.30

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		7.2	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.2	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.2	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.2	4.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		90	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-006
Description: H15-MW-20E(71-73)
Matrix: Solid
Date Sampled: 08/21/2011 1530
% Solids: 50.5 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1328	SAS		66464	5.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	220	B	35	12	ug/kg	1
Benzene	71-43-2	8260B	ND		8.7	1.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8.7	3.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.7	1.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.7	3.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	9.2	J	17	4.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	50		8.7	2.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.7	3.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.7	3.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.7	2.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.7	1.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.7	1.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		8.7	1.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.7	2.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.7	3.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.7	1.5	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.7	3.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.7	3.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.7	3.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		8.7	2.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8.7	1.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8.7	1.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		8.7	3.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.7	1.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.7	2.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.7	1.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.7	1.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.7	1.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.7	3.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		17	2.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		8.7	0.40	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		8.7	1.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.7	0.69	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		8.7	0.71	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.7	4.5	ug/kg	1
Styrene	100-42-5	8260B	ND		8.7	1.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.7	0.82	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		8.7	0.87	ug/kg	1
Toluene	108-88-3	8260B	ND		8.7	3.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.7	3.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.7	1.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.7	1.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-006
Description: H15-MW-20E(71-73)
Matrix: Solid
Date Sampled: 08/21/2011 1530
% Solids: 50.5 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1328	SAS		66464	5.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		8.7	3.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		8.7	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		8.7	1.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.7	5.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-007
Description: H15-MW-20E(76-78)
Matrix: Solid
Date Sampled: 08/21/2011 1615
% Solids: 72.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/26/2011 1302	SAS		66586	4.30

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		32	11	ug/kg	2
Benzene	71-43-2	8260B	ND		8.0	1.8	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		8.0	2.7	ug/kg	2
Bromoform	75-25-2	8260B	ND		8.0	1.1	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.0	2.9	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		16	3.8	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		8.0	2.1	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		8.0	2.9	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		8.0	2.7	ug/kg	2
Chloroethane	75-00-3	8260B	ND		8.0	2.1	ug/kg	2
Chloroform	67-66-3	8260B	ND		8.0	1.3	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.0	1.6	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		8.0	1.1	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.0	2.4	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		8.0	2.7	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.0	1.4	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.0	2.7	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.0	2.7	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.0	2.7	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		8.0	2.6	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		8.0	1.2	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		8.0	1.6	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		8.0	2.7	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.0	1.2	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.0	2.4	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		8.0	1.5	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.0	1.1	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.0	1.3	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		8.0	2.7	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		16	2.1	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		8.0	0.37	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		8.0	1.6	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.0	0.64	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		16	2.4	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		8.0	0.65	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		8.0	4.1	ug/kg	2
Styrene	100-42-5	8260B	ND		8.0	1.8	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.0	0.75	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		8.0	0.80	ug/kg	2
Toluene	108-88-3	8260B	12		8.0	2.7	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.0	1.0	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	7.9	J	8.0	2.7	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.0	1.4	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.0	1.3	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: H15-MW-20E(76-78)
Date Sampled: 08/21/2011 1615
Date Received: 08/23/2011

Laboratory ID: MH23016-007
Matrix: Solid
% Solids: 72.9 08/23/2011 2147

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/26/2011 1302	SAS		66586	4.30

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		8.0	3.0	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		8.0	2.4	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		8.0	1.4	ug/kg	2
Xylenes (total)	1330-20-7	8260B	190		8.0	4.6	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		111	47-138
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: H15-MW-20E(81-83)
Date Sampled: 08/21/2011 1700
Date Received: 08/23/2011

Laboratory ID: MH23016-008
Matrix: Solid
% Solids: 75.3 08/23/2011 2147

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/26/2011 1133	DLB		66652	5.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.5	ug/kg	2
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.6	0.78	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	2
Carbon disulfide	75-15-0	8260B	14		5.6	1.5	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.6	0.75	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.95	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.81	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.26	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.6	1.1	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.46	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	2
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.52	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		5.6	0.56	ug/kg	2
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	0.70	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.95	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.88	ug/kg	2

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-008
Description: H15-MW-20E(81-83)
Matrix: Solid
Date Sampled: 08/21/2011 1700
% Solids: 75.3 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/26/2011 1133	DLB		66652	5.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		5.6	0.96	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.2	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-009
Description: H15-MW-20E(86-88)
Matrix: Solid
Date Sampled: 08/22/2011 0845
% Solids: 79.6 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1435	SAS		66464	5.29

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	14		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.99	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.87	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.81	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.75	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.94	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-009
Description: H15-MW-20E(86-88)
Matrix: Solid
Date Sampled: 08/22/2011 0845
% Solids: 79.6 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1435	SAS		66464	5.29

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.9	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-010
Description: H15-MW-20E(91-93)
Matrix: Solid
Date Sampled: 08/22/2011 0930
% Solids: 67.3 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1457	SAS		66464	5.18

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		29	9.6	ug/kg	1
Benzene	71-43-2	8260B	ND		7.2	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.2	2.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.2	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.2	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	17		7.2	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.2	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.2	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.2	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.2	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.2	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.2	0.97	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.2	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.2	2.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.2	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.2	2.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.2	2.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.2	2.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.2	2.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.2	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.2	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.2	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.2	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.2	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.2	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.2	0.97	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.2	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.2	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.2	0.33	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.2	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.2	0.57	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.2	0.59	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.2	3.7	ug/kg	1
Styrene	100-42-5	8260B	ND		7.2	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.2	0.67	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.2	0.72	ug/kg	1
Toluene	108-88-3	8260B	ND		7.2	2.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.2	0.90	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.2	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.2	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.2	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-010
Description: H15-MW-20E(91-93)
Matrix: Solid
Date Sampled: 08/22/2011 0930
% Solids: 67.3 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1457	SAS		66464	5.18

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		7.2	2.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.2	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.2	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.2	4.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-011
Description: H15-MW-20E(96-98)
Matrix: Solid
Date Sampled: 08/22/2011 1015
% Solids: 67.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1528	SAS		66464	4.98

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		30	9.9	ug/kg	1
Benzene	71-43-2	8260B	ND		7.4	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.4	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.4	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.4	2.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	14		7.4	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.4	2.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.4	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.4	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.4	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.4	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.4	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.4	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.4	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.4	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.4	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.4	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.4	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.4	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.4	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.4	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.4	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.4	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.4	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.4	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.4	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.4	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.4	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.4	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.4	0.59	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.4	0.61	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.4	3.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.4	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.4	0.69	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.4	0.74	ug/kg	1
Toluene	108-88-3	8260B	ND		7.4	2.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.4	0.93	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.4	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.4	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.4	1.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-011
Description: H15-MW-20E(96-98)
Matrix: Solid
Date Sampled: 08/22/2011 1015
% Solids: 67.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1528	SAS		66464	4.98

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		7.4	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.4	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.4	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.4	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-012
Description: H15-MW-20E()101-103)
Matrix: Solid
Date Sampled: 08/22/2011 1100
% Solids: 66.2 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1550	SAS		66464	5.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		30	10	ug/kg	1
Benzene	71-43-2	8260B	ND		7.4	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.4	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.4	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.4	2.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	17		7.4	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.4	2.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.4	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.4	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.4	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.4	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.4	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.4	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.4	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.4	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.4	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.4	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.4	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.4	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.4	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.4	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.4	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.4	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.4	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.4	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.4	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.4	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.4	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.4	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.4	0.60	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.4	0.61	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.4	3.9	ug/kg	1
Styrene	100-42-5	8260B	ND		7.4	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.4	0.70	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.4	0.74	ug/kg	1
Toluene	108-88-3	8260B	ND		7.4	2.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.4	0.94	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.4	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.4	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.4	1.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-012
Description: H15-MW-20E()101-103)
Matrix: Solid
Date Sampled: 08/22/2011 1100
% Solids: 66.2 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1550	SAS		66464	5.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		7.4	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.4	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.4	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.4	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: H15-MW-20E(106-108)
Date Sampled: 08/22/2011 1130
Date Received: 08/23/2011

Laboratory ID: MH23016-013
Matrix: Solid
% Solids: 59.1 08/23/2011 2147

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1612	SAS		66464	3.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		43	14	ug/kg	1
Benzene	71-43-2	8260B	ND		11	2.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		11	3.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		11	1.5	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		11	3.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		21	5.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	59		11	2.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		11	3.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		11	3.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		11	2.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		11	1.8	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		11	2.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		11	1.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		11	3.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		11	3.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		11	1.8	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		11	3.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		11	3.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		11	3.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		11	3.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		11	1.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		11	2.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		11	3.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		11	1.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		11	3.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		11	1.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		11	1.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		11	1.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		11	3.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		21	2.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		11	0.49	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		11	2.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		11	0.86	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		21	3.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		11	0.88	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		11	5.6	ug/kg	1
Styrene	100-42-5	8260B	ND		11	2.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		11	1.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		11	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		11	3.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		11	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		11	3.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		11	1.8	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		11	1.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-013
Description: H15-MW-20E(106-108)
Matrix: Solid
Date Sampled: 08/22/2011 1130
% Solids: 59.1 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1612	SAS		66464	3.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		11	4.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		11	3.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	1.8	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		11	6.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: H15-MW-20E(111-113)
Date Sampled: 08/22/2011 1230
Date Received: 08/23/2011

Laboratory ID: MH23016-014
Matrix: Solid
% Solids: 52.0 08/23/2011 2147

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1634	SAS		66464	4.27

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	38	BJ	45	15	ug/kg	1
Benzene	71-43-2	8260B	ND		11	2.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		11	3.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		11	1.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		11	4.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		23	5.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	130		11	2.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		11	4.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		11	3.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		11	2.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		11	1.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		11	2.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		11	1.5	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		11	3.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		11	3.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		11	1.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		11	3.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		11	3.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		11	3.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		11	3.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		11	1.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		11	2.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		11	3.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		11	1.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		11	3.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		11	2.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		11	1.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		11	1.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		11	3.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		23	2.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		11	0.52	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		11	2.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		11	0.90	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		23	3.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		11	0.92	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		11	5.9	ug/kg	1
Styrene	100-42-5	8260B	ND		11	2.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		11	1.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		11	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		11	3.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		11	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		11	3.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		11	1.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		11	1.8	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-014
Description: H15-MW-20E(111-113)
Matrix: Solid
Date Sampled: 08/22/2011 1230
% Solids: 52.0 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/25/2011 1634	SAS		66464	4.27

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		11	4.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		11	3.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	1.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		11	6.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-015
Description: H15-MW-20E(116-118)
Matrix: Solid
Date Sampled: 08/22/2011 1300
% Solids: 56.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/26/2011 1324	SAS		66586	4.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	50		43	14	ug/kg	2
Benzene	71-43-2	8260B	ND		11	2.4	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		11	3.6	ug/kg	2
Bromoform	75-25-2	8260B	ND		11	1.5	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		11	3.9	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		21	5.2	ug/kg	2
Carbon disulfide	75-15-0	8260B	30		11	2.8	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		11	3.9	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		11	3.6	ug/kg	2
Chloroethane	75-00-3	8260B	ND		11	2.8	ug/kg	2
Chloroform	67-66-3	8260B	ND		11	1.8	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		11	2.1	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		11	1.4	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		11	3.2	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		11	3.6	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		11	1.8	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		11	3.6	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		11	3.6	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		11	3.6	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		11	3.4	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		11	1.6	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		11	2.1	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		11	3.6	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		11	1.6	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		11	3.2	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		11	2.0	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		11	1.5	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		11	1.8	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		11	3.6	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		21	2.8	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		11	0.49	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		11	2.1	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		11	0.86	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		21	3.2	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		11	0.88	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		11	5.6	ug/kg	2
Styrene	100-42-5	8260B	ND		11	2.4	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		11	1.0	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		11	1.1	ug/kg	2
Toluene	108-88-3	8260B	ND		11	3.6	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		11	1.4	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		11	3.6	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		11	1.8	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		11	1.7	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-015
Description: H15-MW-20E(116-118)
Matrix: Solid
Date Sampled: 08/22/2011 1300
% Solids: 56.9 08/23/2011 2147
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/26/2011 1324	SAS		66586	4.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		11	4.1	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		11	3.2	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		11	1.8	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		11	6.2	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-016
Description: Trip Blank(082211)
Matrix: Aqueous
Date Sampled: 08/22/2011
Date Received: 08/23/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	08/29/2011 1323	BM		66677

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	2
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	2
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	2
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	2
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	2
Methylene chloride	75-09-2	8260B	0.36	J	1.0	0.33	ug/L	2
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	2
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	2
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH23016-016
Description: Trip Blank(082211)
Matrix: Aqueous
Date Sampled: 08/22/2011
Date Received: 08/23/2011

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66464-001
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	7.9	J	1	20	6.7	ug/kg	08/25/2011 0947
Benzene	ND		1	5.0	1.1	ug/kg	08/25/2011 0947
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
Bromoform	ND		1	5.0	0.70	ug/kg	08/25/2011 0947
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/25/2011 0947
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/25/2011 0947
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/25/2011 0947
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/25/2011 0947
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
Chloroethane	ND		1	5.0	1.3	ug/kg	08/25/2011 0947
Chloroform	ND		1	5.0	0.83	ug/kg	08/25/2011 0947
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/25/2011 0947
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/25/2011 0947
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/25/2011 0947
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/25/2011 0947
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/25/2011 0947
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/25/2011 0947
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/25/2011 0947
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/25/2011 0947
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/25/2011 0947
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/25/2011 0947
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/25/2011 0947
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/25/2011 0947
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
2-Hexanone	ND		1	10	1.3	ug/kg	08/25/2011 0947
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/25/2011 0947
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/25/2011 0947
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/25/2011 0947
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/25/2011 0947
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/25/2011 0947
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/25/2011 0947
Styrene	ND		1	5.0	1.1	ug/kg	08/25/2011 0947
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/25/2011 0947
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/25/2011 0947
Toluene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/25/2011 0947
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/25/2011 0947
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/25/2011 0947
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/25/2011 0947

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66464-001
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/25/2011 0947
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/25/2011 0947
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/25/2011 0947
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/25/2011 0947

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66464-002
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	150		1	148	42-149	08/25/2011 0841
Benzene	50	50		1	99	69-123	08/25/2011 0841
Bromodichloromethane	50	51		1	103	69-121	08/25/2011 0841
Bromoform	50	50		1	99	61-119	08/25/2011 0841
Bromomethane (Methyl bromide)	50	47		1	93	35-144	08/25/2011 0841
2-Butanone (MEK)	100	100		1	104	57-148	08/25/2011 0841
Carbon disulfide	50	39		1	78	58-122	08/25/2011 0841
Carbon tetrachloride	50	47		1	94	58-136	08/25/2011 0841
Chlorobenzene	50	49		1	98	59-129	08/25/2011 0841
Chloroethane	50	49		1	99	42-163	08/25/2011 0841
Chloroform	50	47		1	94	71-125	08/25/2011 0841
Chloromethane (Methyl chloride)	50	49		1	97	34-134	08/25/2011 0841
Cyclohexane	50	47		1	93	53-139	08/25/2011 0841
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	89	55-125	08/25/2011 0841
Dibromochloromethane	50	50		1	101	66-119	08/25/2011 0841
1,2-Dibromoethane (EDB)	50	51		1	102	74-124	08/25/2011 0841
1,4-Dichlorobenzene	50	49		1	99	52-133	08/25/2011 0841
1,3-Dichlorobenzene	50	48		1	96	51-134	08/25/2011 0841
1,2-Dichlorobenzene	50	48		1	97	57-131	08/25/2011 0841
Dichlorodifluoromethane	50	45		1	89	10-157	08/25/2011 0841
1,2-Dichloroethane	50	49		1	98	67-129	08/25/2011 0841
1,1-Dichloroethane	50	48		1	95	71-127	08/25/2011 0841
trans-1,2-Dichloroethene	50	47		1	95	68-131	08/25/2011 0841
cis-1,2-Dichloroethene	50	47		1	95	70-122	08/25/2011 0841
1,1-Dichloroethene	50	48		1	97	69-138	08/25/2011 0841
1,2-Dichloropropane	50	51		1	103	72-124	08/25/2011 0841
trans-1,3-Dichloropropene	50	51		1	102	70-124	08/25/2011 0841
cis-1,3-Dichloropropene	50	52		1	105	70-126	08/25/2011 0841
Ethylbenzene	50	50		1	100	59-128	08/25/2011 0841
2-Hexanone	100	110		1	110	54-137	08/25/2011 0841
Isopropylbenzene	50	48		1	95	50-136	08/25/2011 0841
Methyl acetate	50	66		1	131	59-137	08/25/2011 0841
Methyl tertiary butyl ether (MTBE)	50	49		1	98	72-122	08/25/2011 0841
4-Methyl-2-pentanone	100	110		1	113	60-134	08/25/2011 0841
Methylcyclohexane	50	52		1	105	41-144	08/25/2011 0841
Methylene chloride	50	47		1	94	77-129	08/25/2011 0841
Styrene	50	53		1	106	54-136	08/25/2011 0841
1,1,2,2-Tetrachloroethane	50	51		1	103	69-132	08/25/2011 0841
Tetrachloroethene	50	49		1	98	45-150	08/25/2011 0841
Toluene	50	50		1	101	61-129	08/25/2011 0841
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	93	49-136	08/25/2011 0841
1,2,4-Trichlorobenzene	50	51		1	102	34-145	08/25/2011 0841
1,1,2-Trichloroethane	50	49		1	99	55-128	08/25/2011 0841
1,1,1-Trichloroethane	50	46		1	92	63-128	08/25/2011 0841

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66464-002
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	62-126	08/25/2011 0841
Trichlorofluoromethane	50	49		1	98	45-138	08/25/2011 0841
Vinyl chloride	50	53		1	106	42-132	08/25/2011 0841
Xylenes (total)	100	100		1	101	58-128	08/25/2011 0841

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: MH23016-005DU
Batch: 66464
Analytical Method: 8260B
Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	50	27	+	1	61	20	08/25/2011 1741
Benzene	ND	ND		1	0.00	20	08/25/2011 1741
Bromodichloromethane	ND	ND		1	0.00	20	08/25/2011 1741
Bromoform	ND	ND		1	0.00	20	08/25/2011 1741
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	08/25/2011 1741
2-Butanone (MEK)	ND	ND		1	0.00	20	08/25/2011 1741
Carbon disulfide	64	39	+	1	48	20	08/25/2011 1741
Carbon tetrachloride	ND	ND		1	0.00	20	08/25/2011 1741
Chlorobenzene	ND	ND		1	0.00	20	08/25/2011 1741
Chloroethane	ND	ND		1	0.00	20	08/25/2011 1741
Chloroform	ND	ND		1	0.00	20	08/25/2011 1741
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	08/25/2011 1741
Cyclohexane	ND	ND		1	0.00	20	08/25/2011 1741
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	08/25/2011 1741
Dibromochloromethane	ND	ND		1	0.00	20	08/25/2011 1741
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	08/25/2011 1741
1,4-Dichlorobenzene	ND	ND		1	0.00	20	08/25/2011 1741
1,3-Dichlorobenzene	ND	ND		1	0.00	20	08/25/2011 1741
1,2-Dichlorobenzene	ND	ND		1	0.00	20	08/25/2011 1741
Dichlorodifluoromethane	ND	ND		1	0.00	20	08/25/2011 1741
1,2-Dichloroethane	ND	ND		1	0.00	20	08/25/2011 1741
1,1-Dichloroethane	ND	ND		1	0.00	20	08/25/2011 1741
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	08/25/2011 1741
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	08/25/2011 1741
1,1-Dichloroethene	ND	ND		1	0.00	20	08/25/2011 1741
1,2-Dichloropropane	ND	ND		1	0.00	20	08/25/2011 1741
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	08/25/2011 1741
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	08/25/2011 1741
Ethylbenzene	ND	ND		1	0.00	20	08/25/2011 1741
2-Hexanone	ND	ND		1	0.00	20	08/25/2011 1741
Isopropylbenzene	ND	ND		1	0.00	20	08/25/2011 1741
Methyl acetate	ND	ND		1	0.00	20	08/25/2011 1741
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	08/25/2011 1741
4-Methyl-2-pentanone	ND	ND		1	0.00	20	08/25/2011 1741
Methylcyclohexane	ND	ND		1	0.00	20	08/25/2011 1741
Methylene chloride	ND	ND		1	0.00	20	08/25/2011 1741
Styrene	ND	ND		1	0.00	20	08/25/2011 1741
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	08/25/2011 1741
Tetrachloroethene	ND	ND		1	0.00	20	08/25/2011 1741
Toluene	ND	ND		1	0.00	20	08/25/2011 1741
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	08/25/2011 1741
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	08/25/2011 1741
1,1,2-Trichloroethane	ND	ND		1	0.00	20	08/25/2011 1741
1,1,1-Trichloroethane	ND	ND		1	0.00	20	08/25/2011 1741

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: MH23016-005DU
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	ND	ND		1	0.00	20	08/25/2011 1741
Trichlorofluoromethane	ND	ND		1	0.00	20	08/25/2011 1741
Vinyl chloride	ND	ND		1	0.00	20	08/25/2011 1741
Xylenes (total)	ND	ND		1	0.00	20	08/25/2011 1741

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		96	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: MH23016-006MS
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	220	190	560	N	1	234	42-149	08/25/2011 1803
Benzene	ND	96	96		1	100	69-123	08/25/2011 1803
Bromodichloromethane	ND	96	81		1	84	69-121	08/25/2011 1803
Bromoform	ND	96	59		1	62	61-119	08/25/2011 1803
Bromomethane (Methyl bromide)	ND	96	93		1	98	35-144	08/25/2011 1803
2-Butanone (MEK)	9.2	190	220		1	112	57-148	08/25/2011 1803
Carbon disulfide	50	96	160	N	1	141	58-122	08/25/2011 1803
Carbon tetrachloride	ND	96	63		1	66	58-136	08/25/2011 1803
Chlorobenzene	ND	96	83		1	87	59-129	08/25/2011 1803
Chloroethane	ND	96	110		1	119	50-132	08/25/2011 1803
Chloroform	ND	96	100		1	106	71-125	08/25/2011 1803
Chloromethane (Methyl chloride)	ND	96	110		1	113	34-134	08/25/2011 1803
Cyclohexane	ND	96	97		1	101	53-139	08/25/2011 1803
1,2-Dibromo-3-chloropropane (DBCP)	ND	96	88		1	92	55-125	08/25/2011 1803
Dibromochloromethane	ND	96	76		1	79	66-119	08/25/2011 1803
1,2-Dibromoethane (EDB)	ND	96	94		1	98	74-124	08/25/2011 1803
1,4-Dichlorobenzene	ND	96	78		1	81	52-133	08/25/2011 1803
1,3-Dichlorobenzene	ND	96	78		1	82	51-134	08/25/2011 1803
1,2-Dichlorobenzene	ND	96	71		1	75	57-131	08/25/2011 1803
Dichlorodifluoromethane	ND	96	110		1	112	10-157	08/25/2011 1803
1,2-Dichloroethane	ND	96	95		1	100	67-129	08/25/2011 1803
1,1-Dichloroethane	ND	96	100		1	107	71-127	08/25/2011 1803
trans-1,2-Dichloroethene	ND	96	100		1	105	68-131	08/25/2011 1803
cis-1,2-Dichloroethene	ND	96	96		1	100	70-122	08/25/2011 1803
1,1-Dichloroethene	ND	96	110		1	112	69-138	08/25/2011 1803
1,2-Dichloropropane	ND	96	95		1	99	72-124	08/25/2011 1803
trans-1,3-Dichloropropene	ND	96	75		1	79	70-124	08/25/2011 1803
cis-1,3-Dichloropropene	ND	96	68		1	71	70-126	08/25/2011 1803
Ethylbenzene	ND	96	87		1	91	59-128	08/25/2011 1803
2-Hexanone	ND	190	200		1	107	54-137	08/25/2011 1803
Isopropylbenzene	ND	96	110		1	120	50-136	08/25/2011 1803
Methyl acetate	ND	96	130		1	133	59-137	08/25/2011 1803
Methyl tertiary butyl ether (MTBE)	ND	96	92		1	96	72-122	08/25/2011 1803
4-Methyl-2-pentanone	ND	190	200		1	105	60-134	08/25/2011 1803
Methylcyclohexane	ND	96	97		1	101	41-144	08/25/2011 1803
Methylene chloride	ND	96	100		1	104	77-129	08/25/2011 1803
Styrene	ND	96	56		1	58	54-136	08/25/2011 1803
1,1,2,2-Tetrachloroethane	ND	96	130		1	132	69-132	08/25/2011 1803
Tetrachloroethene	ND	96	93		1	97	70-130	08/25/2011 1803
Toluene	ND	96	86		1	90	61-129	08/25/2011 1803
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	96	110		1	111	49-136	08/25/2011 1803
1,2,4-Trichlorobenzene	ND	96	32	N	1	33	34-145	08/25/2011 1803
1,1,2-Trichloroethane	ND	96	98		1	103	55-128	08/25/2011 1803
1,1,1-Trichloroethane	ND	96	98		1	103	63-128	08/25/2011 1803

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: MH23016-006MS
Batch: 66464
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	96	91		1	95	62-126	08/25/2011 1803
Trichlorofluoromethane	ND	96	110		1	117	45-138	08/25/2011 1803
Vinyl chloride	ND	96	100		1	108	42-132	08/25/2011 1803
Xylenes (total)	ND	190	160		1	86	58-128	08/25/2011 1803

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		88	47-138
1,2-Dichloroethane-d4		103	53-142
Toluene-d8		96	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66586-001
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/26/2011 1047
Benzene	ND		1	5.0	1.1	ug/kg	08/26/2011 1047
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Bromoform	ND		1	5.0	0.70	ug/kg	08/26/2011 1047
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/26/2011 1047
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/26/2011 1047
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/26/2011 1047
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/26/2011 1047
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Chloroethane	ND		1	5.0	1.3	ug/kg	08/26/2011 1047
Chloroform	ND		1	5.0	0.83	ug/kg	08/26/2011 1047
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/26/2011 1047
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/26/2011 1047
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/26/2011 1047
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/26/2011 1047
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/26/2011 1047
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/26/2011 1047
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/26/2011 1047
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/26/2011 1047
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/26/2011 1047
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/26/2011 1047
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
2-Hexanone	1.5	J	1	10	1.3	ug/kg	08/26/2011 1047
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/26/2011 1047
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/26/2011 1047
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/26/2011 1047
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/26/2011 1047
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/26/2011 1047
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/26/2011 1047
Styrene	ND		1	5.0	1.1	ug/kg	08/26/2011 1047
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/26/2011 1047
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/26/2011 1047
Toluene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/26/2011 1047
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/26/2011 1047
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/26/2011 1047

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66586-001
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/26/2011 1047
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/26/2011 1047
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/26/2011 1047

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66586-002
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	142	42-149	08/26/2011 0918
Benzene	50	48		1	96	69-123	08/26/2011 0918
Bromodichloromethane	50	50		1	99	69-121	08/26/2011 0918
Bromoform	50	47		1	93	61-119	08/26/2011 0918
Bromomethane (Methyl bromide)	50	53		1	105	35-144	08/26/2011 0918
2-Butanone (MEK)	100	100		1	100	57-148	08/26/2011 0918
Carbon disulfide	50	41		1	82	58-122	08/26/2011 0918
Carbon tetrachloride	50	48		1	97	58-136	08/26/2011 0918
Chlorobenzene	50	46		1	91	59-129	08/26/2011 0918
Chloroethane	50	54		1	108	42-163	08/26/2011 0918
Chloroform	50	46		1	92	71-125	08/26/2011 0918
Chloromethane (Methyl chloride)	50	53		1	106	34-134	08/26/2011 0918
Cyclohexane	50	49		1	98	53-139	08/26/2011 0918
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	91	55-125	08/26/2011 0918
Dibromochloromethane	50	47		1	94	66-119	08/26/2011 0918
1,2-Dibromoethane (EDB)	50	48		1	96	74-124	08/26/2011 0918
1,3-Dichlorobenzene	50	46		1	91	51-134	08/26/2011 0918
1,4-Dichlorobenzene	50	46		1	92	52-133	08/26/2011 0918
1,2-Dichlorobenzene	50	46		1	93	57-131	08/26/2011 0918
Dichlorodifluoromethane	50	49		1	98	10-157	08/26/2011 0918
1,1-Dichloroethane	50	47		1	95	71-127	08/26/2011 0918
1,2-Dichloroethane	50	48		1	96	67-129	08/26/2011 0918
cis-1,2-Dichloroethene	50	46		1	92	70-122	08/26/2011 0918
trans-1,2-Dichloroethene	50	47		1	93	68-131	08/26/2011 0918
1,1-Dichloroethene	50	50		1	101	69-138	08/26/2011 0918
1,2-Dichloropropane	50	50		1	99	72-124	08/26/2011 0918
cis-1,3-Dichloropropene	50	50		1	101	70-126	08/26/2011 0918
trans-1,3-Dichloropropene	50	47		1	95	70-124	08/26/2011 0918
Ethylbenzene	50	48		1	95	59-128	08/26/2011 0918
2-Hexanone	100	100		1	103	54-137	08/26/2011 0918
Isopropylbenzene	50	46		1	91	50-136	08/26/2011 0918
Methyl acetate	50	66		1	131	59-137	08/26/2011 0918
Methyl tertiary butyl ether (MTBE)	50	51		1	102	72-122	08/26/2011 0918
4-Methyl-2-pentanone	100	110		1	115	60-134	08/26/2011 0918
Methylcyclohexane	50	52		1	104	41-144	08/26/2011 0918
Methylene chloride	50	49		1	98	77-129	08/26/2011 0918
Styrene	50	50		1	100	54-136	08/26/2011 0918
1,1,2,2-Tetrachloroethane	50	49		1	98	69-132	08/26/2011 0918
Tetrachloroethene	50	46		1	91	45-150	08/26/2011 0918
Toluene	50	49		1	98	61-129	08/26/2011 0918
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	99	49-136	08/26/2011 0918
1,2,4-Trichlorobenzene	50	48		1	97	34-145	08/26/2011 0918
1,1,2-Trichloroethane	50	47		1	93	55-128	08/26/2011 0918
1,1,1-Trichloroethane	50	48		1	97	63-128	08/26/2011 0918

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66586-002
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	95	62-126	08/26/2011 0918
Trichlorofluoromethane	50	52		1	103	45-138	08/26/2011 0918
Vinyl chloride	50	56		1	112	42-132	08/26/2011 0918
Xylenes (total)	100	96		1	96	58-128	08/26/2011 0918

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66652-001
Batch: 66652
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/26/2011 1047
Benzene	ND		1	5.0	1.1	ug/kg	08/26/2011 1047
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Bromoform	ND		1	5.0	0.70	ug/kg	08/26/2011 1047
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/26/2011 1047
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/26/2011 1047
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/26/2011 1047
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/26/2011 1047
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Chloroethane	ND		1	5.0	1.3	ug/kg	08/26/2011 1047
Chloroform	ND		1	5.0	0.83	ug/kg	08/26/2011 1047
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/26/2011 1047
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/26/2011 1047
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/26/2011 1047
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/26/2011 1047
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/26/2011 1047
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/26/2011 1047
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/26/2011 1047
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/26/2011 1047
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/26/2011 1047
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/26/2011 1047
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
2-Hexanone	1.5	J	1	10	1.3	ug/kg	08/26/2011 1047
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/26/2011 1047
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/26/2011 1047
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/26/2011 1047
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/26/2011 1047
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/26/2011 1047
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/26/2011 1047
Styrene	ND		1	5.0	1.1	ug/kg	08/26/2011 1047
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/26/2011 1047
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/26/2011 1047
Toluene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/26/2011 1047
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/26/2011 1047
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/26/2011 1047

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66652-001
Batch: 66652
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/26/2011 1047
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/26/2011 1047
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/26/2011 1047

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66652-002
Batch: 66652
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	142	42-149	08/26/2011 0918
Benzene	50	48		1	96	69-123	08/26/2011 0918
Bromodichloromethane	50	50		1	99	69-121	08/26/2011 0918
Bromoform	50	47		1	93	61-119	08/26/2011 0918
Bromomethane (Methyl bromide)	50	53		1	105	35-144	08/26/2011 0918
2-Butanone (MEK)	100	100		1	100	57-148	08/26/2011 0918
Carbon disulfide	50	41		1	82	58-122	08/26/2011 0918
Carbon tetrachloride	50	48		1	97	58-136	08/26/2011 0918
Chlorobenzene	50	46		1	91	59-129	08/26/2011 0918
Chloroethane	50	54		1	108	42-163	08/26/2011 0918
Chloroform	50	46		1	92	71-125	08/26/2011 0918
Chloromethane (Methyl chloride)	50	53		1	106	34-134	08/26/2011 0918
Cyclohexane	50	49		1	98	53-139	08/26/2011 0918
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	91	55-125	08/26/2011 0918
Dibromochloromethane	50	47		1	94	66-119	08/26/2011 0918
1,2-Dibromoethane (EDB)	50	48		1	96	74-124	08/26/2011 0918
1,4-Dichlorobenzene	50	46		1	92	52-133	08/26/2011 0918
1,3-Dichlorobenzene	50	46		1	91	51-134	08/26/2011 0918
1,2-Dichlorobenzene	50	46		1	93	57-131	08/26/2011 0918
Dichlorodifluoromethane	50	49		1	98	10-157	08/26/2011 0918
1,2-Dichloroethane	50	48		1	96	67-129	08/26/2011 0918
1,1-Dichloroethane	50	47		1	95	71-127	08/26/2011 0918
trans-1,2-Dichloroethene	50	47		1	93	68-131	08/26/2011 0918
cis-1,2-Dichloroethene	50	46		1	92	70-122	08/26/2011 0918
1,1-Dichloroethene	50	50		1	101	69-138	08/26/2011 0918
1,2-Dichloropropane	50	50		1	99	72-124	08/26/2011 0918
trans-1,3-Dichloropropene	50	47		1	95	70-124	08/26/2011 0918
cis-1,3-Dichloropropene	50	50		1	101	70-126	08/26/2011 0918
Ethylbenzene	50	48		1	95	59-128	08/26/2011 0918
2-Hexanone	100	100		1	103	54-137	08/26/2011 0918
Isopropylbenzene	50	46		1	91	50-136	08/26/2011 0918
Methyl acetate	50	66		1	131	59-137	08/26/2011 0918
Methyl tertiary butyl ether (MTBE)	50	51		1	102	72-122	08/26/2011 0918
4-Methyl-2-pentanone	100	110		1	115	60-134	08/26/2011 0918
Methylcyclohexane	50	52		1	104	41-144	08/26/2011 0918
Methylene chloride	50	49		1	98	77-129	08/26/2011 0918
Styrene	50	50		1	100	54-136	08/26/2011 0918
1,1,2,2-Tetrachloroethane	50	49		1	98	69-132	08/26/2011 0918
Tetrachloroethene	50	46		1	91	45-150	08/26/2011 0918
Toluene	50	49		1	98	61-129	08/26/2011 0918
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	99	49-136	08/26/2011 0918
1,2,4-Trichlorobenzene	50	48		1	97	34-145	08/26/2011 0918
1,1,2-Trichloroethane	50	47		1	93	55-128	08/26/2011 0918
1,1,1-Trichloroethane	50	48		1	97	63-128	08/26/2011 0918

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66652-002
Batch: 66652
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	95	62-126	08/26/2011 0918
Trichlorofluoromethane	50	52		1	103	45-138	08/26/2011 0918
Vinyl chloride	50	56		1	112	42-132	08/26/2011 0918
Xylenes (total)	100	96		1	96	58-128	08/26/2011 0918

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66672-001
Batch: 66672
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	08/29/2011 1727

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		142	53-142
Toluene-d8		112	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66672-002
Batch: 66672
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2300		50	92	62-126	08/29/2011 1749

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		132	53-142
Toluene-d8		117	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66672-003
Batch: 66672
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	3000	+	50	121	27	62-126	20	08/29/2011 1811

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		123	47-138
1,2-Dichloroethane-d4	N	174	53-142
Toluene-d8	N	153	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66677-001
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/29/2011 0926
Benzene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Bromoform	ND		1	1.0	0.66	ug/L	08/29/2011 0926
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/29/2011 0926
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/29/2011 0926
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/29/2011 0926
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/29/2011 0926
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/29/2011 0926
Chloroethane	ND		1	2.0	0.47	ug/L	08/29/2011 0926
Chloroform	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/29/2011 0926
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/29/2011 0926
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/29/2011 0926
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/29/2011 0926
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/29/2011 0926
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/29/2011 0926
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/29/2011 0926
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
2-Hexanone	ND		1	10	0.27	ug/L	08/29/2011 0926
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/29/2011 0926
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/29/2011 0926
Methylene chloride	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Styrene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/29/2011 0926
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Toluene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/29/2011 0926
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/29/2011 0926
Trichloroethene	ND		1	1.0	0.18	ug/L	08/29/2011 0926
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/29/2011 0926
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/29/2011 0926

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66677-002
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	170	N	1	167	70-130	08/29/2011 0802
Benzene	50	49		1	97	70-130	08/29/2011 0802
Bromodichloromethane	50	55		1	110	70-130	08/29/2011 0802
Bromoform	50	52		1	104	70-130	08/29/2011 0802
Bromomethane (Methyl bromide)	50	36		1	72	60-140	08/29/2011 0802
2-Butanone (MEK)	100	110		1	114	60-140	08/29/2011 0802
Carbon disulfide	50	46		1	92	60-140	08/29/2011 0802
Carbon tetrachloride	50	51		1	102	70-130	08/29/2011 0802
Chlorobenzene	50	48		1	96	70-130	08/29/2011 0802
Chloroethane	50	48		1	96	42-163	08/29/2011 0802
Chloroform	50	49		1	99	70-130	08/29/2011 0802
Chloromethane (Methyl chloride)	50	53		1	107	70-130	08/29/2011 0802
Dibromochloromethane	50	46		1	93	70-130	08/29/2011 0802
1,2-Dichlorobenzene	50	48		1	97	70-130	08/29/2011 0802
1,3-Dichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,4-Dichlorobenzene	50	47		1	94	70-130	08/29/2011 0802
1,1-Dichloroethane	50	51		1	102	70-130	08/29/2011 0802
1,2-Dichloroethane	50	49		1	98	70-130	08/29/2011 0802
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/29/2011 0802
1,1-Dichloroethene	50	50		1	101	70-130	08/29/2011 0802
cis-1,2-Dichloroethene	50	49		1	99	70-130	08/29/2011 0802
1,2-Dichloropropane	50	50		1	100	70-130	08/29/2011 0802
cis-1,3-Dichloropropene	50	47		1	94	70-130	08/29/2011 0802
trans-1,3-Dichloropropene	50	45		1	91	70-130	08/29/2011 0802
Ethylbenzene	50	50		1	100	70-130	08/29/2011 0802
2-Hexanone	100	110		1	115	60-140	08/29/2011 0802
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	08/29/2011 0802
4-Methyl-2-pentanone	100	120		1	120	60-140	08/29/2011 0802
Methylene chloride	50	47		1	94	70-130	08/29/2011 0802
Styrene	50	49		1	98	70-130	08/29/2011 0802
1,1,2,2-Tetrachloroethane	50	52		1	105	60-140	08/29/2011 0802
Tetrachloroethene	50	48		1	95	70-130	08/29/2011 0802
Toluene	50	50		1	99	70-130	08/29/2011 0802
1,2,4-Trichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,1,2-Trichloroethane	50	49		1	97	70-130	08/29/2011 0802
1,1,1-Trichloroethane	50	49		1	98	70-130	08/29/2011 0802
Trichloroethene	50	49		1	98	70-130	08/29/2011 0802
Vinyl chloride	50	53		1	107	70-130	08/29/2011 0802
Xylenes (total)	100	100		1	102	70-130	08/29/2011 0802

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 03964

Client	Report to Contact	Sampler (Printed Name)	Quote No.
ARCADIS	SCOTT BOSTIAN	JOHN HANNA	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
801 CORPORATE CENTER DR. #300	SCOTT.BOSTIAN@ARCADIS-US.COM		1 of 2
City / State / Zip Code	**Preservative**		
RALEIGH / NC / 27607	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name			
HAA-15			
Project Number	**P.O Number**		
GP08HAFS.HISC.GG0F1			

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs (SOIL)	% MOISTURE	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
									4	1				M1123016	
									A	L					
									*	-					
HIS-MW-20E (46-48)	08.21.11	1330					✓		✓	✓					*METHANOL/DI WATER
HIS-MW-20E (51-53)	08.21.11	1345					✓		✓	✓					
HIS-MW-20E (56-58)	08.21.11	1410					✓		✓	✓					
HIS-MW-20E (61-63)	08.21.11	1430					✓		✓	✓					
HIS-MW-20E (66-68)	08.21.11	1500					✓		✓	✓					
HIS-MW-20E (71-73)	08.21.11	1530					✓		✓	✓					
HIS-MW-20E (76-78)	08.21.11	1615					✓		✓	✓					
HIS-MW-20E (81-83)	08.21.11	1700					✓		✓	✓					
HIS-MW-20E (86-88)	08.22.11	0845					✓		✓	✓					
HIS-MW-20E (91-93)	08.22.11	0930					✓		✓	✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client X Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: JOHN HANNA	8.22.11		1. Received by: FEDEX	8.22.11	
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FEDEX	8/23/11	0900	4. Laboratory Received by	8/23/11	0900

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.4 °C — Temp. Blank ☐ Y / X N — 8/23/11

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 03965

Client	Report to Contact	Sampler (Printed Name)	Quote No.
ARCADIS	SCOTT BOSTIAN	JOHN HANNA	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page** 2 of 2
801 CORPORATE CENTER DR. #300	SCOTT.BOSTIAN@ARCADIS-US.COM		
City / **State** / **Zip Code**	**Preservative**		Number of Containers
RALEIGH / NC / 27607	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		Bottle (See Instructions on back)
Project Name			Preservative
HAA-15			Lot No. MH230K
Project Number	**P.O Number**		
GP08HAFS.HISC.GGOFI			

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs (SOIL)	% MOISTURE	Remarks / Cooler ID
HIS-MW-20E (96-98)	8.22.11	1015					✓		✓	✓	
HIS-MW-20E (101-103)	8.22.11	1100					✓		✓	✓	
HIS-MW-20E (106-108)	8.22.11	1130					✓		✓	✓	
HIS-MW-20E (111-113)	8.22.11	1230					✓		✓	✓	
HIS-MW-20E (116-118)	8.22.11	1300					✓		✓	✓	
TRIP BLANK (082211)											
TEMP BLANK											

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client X Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Relinquished by / Sampler	Date	Time	Received by	Date	Time
1.	JOHN HANNA	8.22.11		FEDEX	8.22.11	
2.						
3.						
4.	FEDEX	8/23/11	0900	Laboratory Received by	8/23/11	0900

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.4 °C — Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: EC 3/23/11 Lot #: MH230 N

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 1 / 4 °C ___/___°C ___/___°C ___/___°C ___/___°C ___/___°C ___/___°C ___/___°C ___/___°C Method: ☑ Temperature Blank ☐ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier? No times
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☐	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☐		15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☒ 3/23/11	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Date 3/22/11 FedEx Tracking Number 871197703865

Name x Allison Fang Phone 919 854-1282

Company ARCADIS G & M OF NC INC

Address 801 CORPORATE CENTER DR

RALEIGH State NC ZIP 27607-5243

Your Internal Billing Reference G209HAES. HEC 6/30/11

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: _____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: Hunter Stewart HAA-15

Project Number: GP08HAFS.H15C.GG0F1

Lot Number: MH18016

Date Completed: 08/26/2011



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH18016

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH18016

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The LCS/LCSD recovery for Methylene chloride was slightly outside method control limits in batch 66167. As per method, it is statistically likely that a few analytes will be outside control limits; up to five analytes may marginally exceed the control limits. Therefore the associated sample results were reported and no corrective action was required.

The MS/MSD recoveries for sample -003 in batch 66167 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MH18016

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-02E (72-74')	Solid	08/17/2011 1515	08/18/2011
002	TRIP BLANK (081711)	Aqueous	08/17/2011	08/18/2011
003	H15-MW-02E (77-79')	Solid	08/17/2011 1600	08/18/2011
004	H15-MW-02E (82-84')	Solid	08/17/2011 1700	08/18/2011
005	H15-MW-02E (87-89')	Solid	08/17/2011 1735	08/18/2011
006	H15-MW-02E (92-94')	Solid	08/17/2011 1815	08/19/2011
007	H15-MW-02E (97-99')	Solid	08/18/2011 0945	08/19/2011
008	H15-MW-02E (102-104)	Solid	08/18/2011 1045	08/19/2011
009	H15-MW-02E (107-109)	Solid	08/18/2011 1120	08/19/2011
010	H15-MW-02E (112-114)	Solid	08/18/2011 1230	08/19/2011
011	H15-MW-02E (116-118)	Solid	08/18/2011 1515	08/19/2011
012	Trip Blank (081811)	Aqueous	08/18/2011	08/19/2011
013	H15-MW-17B	Aqueous	08/17/2011 1720	08/20/2011
014	H15-MW-18B	Aqueous	08/18/2011 0925	08/20/2011
015	H15-MW-19B	Aqueous	08/18/2011 1146	08/20/2011
016	H15-MW-09C	Aqueous	08/18/2011 1551	08/20/2011
017	H15-MW-11C	Aqueous	08/18/2011 1804	08/20/2011
018	H15-MW-15B	Aqueous	08/19/2011 0943	08/20/2011
019	H15-MW-15C	Aqueous	08/19/2011 1049	08/20/2011
020	Trip Blank (081911)	Aqueous	08/19/2011	08/20/2011

(20 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH18016

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-02E (72-74')	Solid	Carbon disulfide	8260B	7.7		ug/kg	6
001	H15-MW-02E (72-74')	Solid	Trichloroethene	8260B	5.8	J	ug/kg	7
002	TRIP BLANK (081711)	Aqueous	Methylene chloride	8260B	0.44	J	ug/L	8
003	H15-MW-02E (77-79')	Solid	Carbon disulfide	8260B	3.4	J	ug/kg	10
003	H15-MW-02E (77-79')	Solid	Trichloroethene	8260B	4.6	J	ug/kg	11
004	H15-MW-02E (82-84')	Solid	Carbon disulfide	8260B	7.3		ug/kg	12
004	H15-MW-02E (82-84')	Solid	cis-1,2-Dichloroethene	8260B	1.5	J	ug/kg	12
004	H15-MW-02E (82-84')	Solid	Trichloroethene	8260B	16		ug/kg	13
005	H15-MW-02E (87-89')	Solid	Carbon disulfide	8260B	21		ug/kg	14
005	H15-MW-02E (87-89')	Solid	cis-1,2-Dichloroethene	8260B	3.3	J	ug/kg	14
005	H15-MW-02E (87-89')	Solid	Trichloroethene	8260B	39		ug/kg	15
006	H15-MW-02E (92-94')	Solid	Acetone	8260B	21	J	ug/kg	16
006	H15-MW-02E (92-94')	Solid	Carbon disulfide	8260B	26		ug/kg	16
006	H15-MW-02E (92-94')	Solid	cis-1,2-Dichloroethene	8260B	2.0	J	ug/kg	16
006	H15-MW-02E (92-94')	Solid	Trichloroethene	8260B	19		ug/kg	17
007	H15-MW-02E (97-99')	Solid	Acetone	8260B	18	J	ug/kg	18
007	H15-MW-02E (97-99')	Solid	Carbon disulfide	8260B	18		ug/kg	18
007	H15-MW-02E (97-99')	Solid	Trichloroethene	8260B	4.1	J	ug/kg	19
008	H15-MW-02E (102-104)	Solid	Acetone	8260B	32	J	ug/kg	20
008	H15-MW-02E (102-104)	Solid	Carbon disulfide	8260B	20		ug/kg	20
009	H15-MW-02E (107-109)	Solid	Carbon disulfide	8260B	21		ug/kg	22
010	H15-MW-02E (112-114)	Solid	Carbon disulfide	8260B	74		ug/kg	24
011	H15-MW-02E (116-118)	Solid	Carbon disulfide	8260B	14		ug/kg	26
012	Trip Blank (081811)	Aqueous	Methylene chloride	8260B	0.44	J	ug/L	28
013	H15-MW-17B	Aqueous	1,4-Dichlorobenzene	8260B	0.42	J	ug/L	30
013	H15-MW-17B	Aqueous	1,3-Dichlorobenzene	8260B	0.74	J	ug/L	30
013	H15-MW-17B	Aqueous	trans-1,2-Dichloroethene	8260B	0.42	J	ug/L	30
013	H15-MW-17B	Aqueous	cis-1,2-Dichloroethene	8260B	9.0		ug/L	30
013	H15-MW-17B	Aqueous	1,1-Dichloroethene	8260B	0.33	J	ug/L	30
013	H15-MW-17B	Aqueous	1,2-Dichloropropane	8260B	0.41	J	ug/L	30
013	H15-MW-17B	Aqueous	Tetrachloroethene	8260B	2.4		ug/L	30
013	H15-MW-17B	Aqueous	Trichloroethene	8260B	61		ug/L	30
013	H15-MW-17B	Aqueous	Xylenes (total)	8260B	0.73	J	ug/L	30
014	H15-MW-18B	Aqueous	Trichloroethene	8260B	0.34	J	ug/L	32
014	H15-MW-18B	Aqueous	Xylenes (total)	8260B	1.1		ug/L	32
015	H15-MW-19B	Aqueous	Benzene	8260B	0.26	J	ug/L	34
015	H15-MW-19B	Aqueous	cis-1,2-Dichloroethene	8260B	1.5		ug/L	34
015	H15-MW-19B	Aqueous	Trichloroethene	8260B	4.5		ug/L	34
015	H15-MW-19B	Aqueous	Xylenes (total)	8260B	0.85	J	ug/L	34
016	H15-MW-09C	Aqueous	Benzene	8260B	1.1		ug/L	36
016	H15-MW-09C	Aqueous	2-Butanone (MEK)	8260B	7.6	J	ug/L	36
016	H15-MW-09C	Aqueous	trans-1,2-Dichloroethene	8260B	1.0		ug/L	36
016	H15-MW-09C	Aqueous	cis-1,2-Dichloroethene	8260B	140		ug/L	36
016	H15-MW-09C	Aqueous	1,1-Dichloroethene	8260B	0.31	J	ug/L	36
016	H15-MW-09C	Aqueous	Trichloroethene	8260B	3.1		ug/L	36

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
016	H15-MW-09C	Aqueous	Vinyl chloride	8260B	0.071	J	ug/L	36
016	H15-MW-09C	Aqueous	Xylenes (total)	8260B	0.85	J	ug/L	36
017	H15-MW-11C	Aqueous	Trichloroethene	8260B	0.35	J	ug/L	38
017	H15-MW-11C	Aqueous	Xylenes (total)	8260B	1.1		ug/L	38
018	H15-MW-15B	Aqueous	Carbon disulfide	8260B	0.10	J	ug/L	40
018	H15-MW-15B	Aqueous	cis-1,2-Dichloroethene	8260B	0.50	J	ug/L	40
018	H15-MW-15B	Aqueous	Trichloroethene	8260B	6.3		ug/L	40
018	H15-MW-15B	Aqueous	Xylenes (total)	8260B	0.92	J	ug/L	40
019	H15-MW-15C	Aqueous	Acetone	8260B	13	J	ug/L	42
019	H15-MW-15C	Aqueous	Benzene	8260B	0.43	J	ug/L	42
019	H15-MW-15C	Aqueous	2-Butanone (MEK)	8260B	8.0	J	ug/L	42
019	H15-MW-15C	Aqueous	Carbon disulfide	8260B	0.22	J	ug/L	42
019	H15-MW-15C	Aqueous	cis-1,2-Dichloroethene	8260B	21		ug/L	42
019	H15-MW-15C	Aqueous	Trichloroethene	8260B	1.1		ug/L	42
019	H15-MW-15C	Aqueous	Xylenes (total)	8260B	0.68	J	ug/L	42

(60 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-001
Description: H15-MW-02E (72-74')
Matrix: Solid
Date Sampled: 08/17/2011 1515
% Solids: 67.5 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/19/2011 0438	JJG		66029	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.7	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	7.7		6.7	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.7	0.90	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.7	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.91	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.7	0.31	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.7	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.54	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.7	0.55	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	0.67	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	2.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.7	0.84	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.7	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-001
Description: H15-MW-02E (72-74')
Matrix: Solid
Date Sampled: 08/17/2011 1515
% Solids: 67.5 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/19/2011 0438	JJG		66029	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	5.8	J	6.7	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.7	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.7	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		93	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-002
Description: TRIP BLANK (081711)
Matrix: Aqueous
Date Sampled: 08/17/2011
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0322	LBS		66224
2	5030B	8260B	1	08/24/2011 1800	BM		66394

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	2
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	0.44	J	1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-002
Description: TRIP BLANK (081711)
Matrix: Aqueous
Date Sampled: 08/17/2011
Date Received: 08/18/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130		123	70-130
Bromofluorobenzene		103	70-130		97	70-130
Toluene-d8		103	70-130		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-003
Description: H15-MW-02E (77-79')
Matrix: Solid
Date Sampled: 08/17/2011 1600
% Solids: 64.4 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/19/2011 0500	JJG		66029	5.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.7	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	3.4	J	6.7	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.7	0.91	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.7	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.92	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.7	0.31	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.7	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.54	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.7	0.55	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	0.67	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	2.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.7	0.85	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.7	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-003
Description: H15-MW-02E (77-79')
Matrix: Solid
Date Sampled: 08/17/2011 1600
% Solids: 64.4 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/19/2011 0500	JJG		66029	5.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	4.6	J	6.7	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.7	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.7	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		94	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-004
Description: H15-MW-02E (82-84')
Matrix: Solid
Date Sampled: 08/17/2011 1700
% Solids: 75.6 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/19/2011 0523	JJG		66029	5.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	7.3		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.78	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.5	J	5.8	0.88	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.95	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.8	0.58	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	0.73	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-004
Description: H15-MW-02E (82-84')
Matrix: Solid
Date Sampled: 08/17/2011 1700
% Solids: 75.6 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/19/2011 0523	JJG		66029	5.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	16		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-005
Description: H15-MW-02E (87-89')
Matrix: Solid
Date Sampled: 08/17/2011 1735
% Solids: 68.5 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/22/2011 2042	SAS		66167	4.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		32	11	ug/kg	2
Benzene	71-43-2	8260B	ND		7.9	1.7	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		7.9	2.7	ug/kg	2
Bromoform	75-25-2	8260B	ND		7.9	1.1	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.9	2.9	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		16	3.8	ug/kg	2
Carbon disulfide	75-15-0	8260B	21		7.9	2.1	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		7.9	2.9	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		7.9	2.7	ug/kg	2
Chloroethane	75-00-3	8260B	ND		7.9	2.1	ug/kg	2
Chloroform	67-66-3	8260B	ND		7.9	1.3	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.9	1.6	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		7.9	1.1	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.9	2.4	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		7.9	2.7	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.9	1.3	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.9	2.7	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.9	2.7	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.9	2.7	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		7.9	2.5	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		7.9	1.2	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		7.9	1.6	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		7.9	2.7	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	3.3	J	7.9	1.2	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.9	2.4	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		7.9	1.4	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.9	1.1	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.9	1.3	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		7.9	2.7	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		16	2.1	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		7.9	0.37	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		7.9	1.6	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.9	0.64	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		16	2.4	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		7.9	0.65	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		7.9	4.1	ug/kg	2
Styrene	100-42-5	8260B	ND		7.9	1.7	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.9	0.75	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		7.9	0.79	ug/kg	2
Toluene	108-88-3	8260B	ND		7.9	2.7	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.9	1.0	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.9	2.7	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.9	1.3	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.9	1.3	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-005
Description: H15-MW-02E (87-89')
Matrix: Solid
Date Sampled: 08/17/2011 1735
% Solids: 68.5 08/18/2011 2018
Date Received: 08/18/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/22/2011 2042	SAS		66167	4.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	39		7.9	3.0	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		7.9	2.4	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		7.9	1.4	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		7.9	4.6	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-006
Description: H15-MW-02E (92-94')
Matrix: Solid
Date Sampled: 08/17/2011 1815
% Solids: 75.8 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/22/2011 2103	SAS		66167	4.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	21	J	29	9.7	ug/kg	1
Benzene	71-43-2	8260B	ND		7.2	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.2	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.2	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.2	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	26		7.2	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.2	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.2	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.2	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.2	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.2	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.2	0.98	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.2	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.2	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.2	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.2	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.2	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.2	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.2	2.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.2	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.2	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.2	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.0	J	7.2	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.2	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.2	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.2	0.99	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.2	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.2	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.2	0.33	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.2	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.2	0.58	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.2	0.59	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.2	3.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.2	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.2	0.68	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.2	0.72	ug/kg	1
Toluene	108-88-3	8260B	ND		7.2	2.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.2	0.91	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.2	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.2	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.2	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-006
Description: H15-MW-02E (92-94')
Matrix: Solid
Date Sampled: 08/17/2011 1815
% Solids: 75.8 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/22/2011 2103	SAS		66167	4.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	19		7.2	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.2	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.2	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.2	4.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-007
Description: H15-MW-02E (97-99')
Matrix: Solid
Date Sampled: 08/18/2011 0945
% Solids: 65.3 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/22/2011 2125	SAS		66167	5.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	18	J	29	9.7	ug/kg	1
Benzene	71-43-2	8260B	ND		7.3	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.3	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.3	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.3	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	18		7.3	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.3	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.3	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.3	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.3	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.3	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.3	0.98	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.3	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.3	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.3	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.3	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.3	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.3	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.3	2.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.3	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.3	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.3	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.3	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.3	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.3	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.3	0.99	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.3	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.3	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.3	0.33	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.3	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.3	0.58	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.3	0.59	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.3	3.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.3	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.3	0.68	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.3	0.73	ug/kg	1
Toluene	108-88-3	8260B	ND		7.3	2.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.3	0.91	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.3	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.3	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.3	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-007
Description: H15-MW-02E (97-99')
Matrix: Solid
Date Sampled: 08/18/2011 0945
% Solids: 65.3 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/22/2011 2125	SAS		66167	5.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	4.1	J	7.3	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.3	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.3	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.3	4.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-008
Description: H15-MW-02E (102-104)
Matrix: Solid
Date Sampled: 08/18/2011 1045
% Solids: 67.5 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/24/2011 1239	SAS		66410	4.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	32	J	36	12	ug/kg	2
Benzene	71-43-2	8260B	ND		9.1	2.0	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		9.1	3.1	ug/kg	2
Bromoform	75-25-2	8260B	ND		9.1	1.3	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		9.1	3.3	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		18	4.3	ug/kg	2
Carbon disulfide	75-15-0	8260B	20		9.1	2.4	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		9.1	3.3	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		9.1	3.1	ug/kg	2
Chloroethane	75-00-3	8260B	ND		9.1	2.4	ug/kg	2
Chloroform	67-66-3	8260B	ND		9.1	1.5	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		9.1	1.8	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		9.1	1.2	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		9.1	2.7	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		9.1	3.1	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		9.1	1.5	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		9.1	3.1	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		9.1	3.1	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		9.1	3.1	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		9.1	2.9	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		9.1	1.3	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		9.1	1.8	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		9.1	3.1	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		9.1	1.4	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		9.1	2.7	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		9.1	1.6	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		9.1	1.2	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		9.1	1.5	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		9.1	3.1	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		18	2.4	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		9.1	0.42	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		9.1	1.8	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		9.1	0.72	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		18	2.7	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		9.1	0.74	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		9.1	4.7	ug/kg	2
Styrene	100-42-5	8260B	ND		9.1	2.0	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		9.1	0.85	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		9.1	0.91	ug/kg	2
Toluene	108-88-3	8260B	ND		9.1	3.1	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		9.1	1.1	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		9.1	3.1	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		9.1	1.5	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		9.1	1.4	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-008
Description: H15-MW-02E (102-104)
Matrix: Solid
Date Sampled: 08/18/2011 1045
% Solids: 67.5 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/24/2011 1239	SAS		66410	4.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		9.1	3.4	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		9.1	2.7	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		9.1	1.6	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		9.1	5.3	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-009
Description: H15-MW-02E (107-109)
Matrix: Solid
Date Sampled: 08/18/2011 1120
% Solids: 68.1 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/24/2011 1301	SAS		66410	4.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		34	11	ug/kg	2
Benzene	71-43-2	8260B	ND		8.4	1.9	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		8.4	2.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		8.4	1.2	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.4	3.0	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.0	ug/kg	2
Carbon disulfide	75-15-0	8260B	21		8.4	2.2	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		8.4	3.0	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		8.4	2.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		8.4	2.2	ug/kg	2
Chloroform	67-66-3	8260B	ND		8.4	1.4	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.4	1.7	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		8.4	1.1	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.4	2.5	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		8.4	2.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.4	1.4	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.4	2.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.4	2.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.4	2.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		8.4	2.7	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		8.4	1.2	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		8.4	1.7	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		8.4	2.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.4	1.3	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.4	2.5	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		8.4	1.5	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.4	1.1	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.4	1.4	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		8.4	2.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		17	2.2	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		8.4	0.39	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		8.4	1.6	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.4	0.67	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.5	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		8.4	0.69	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		8.4	4.4	ug/kg	2
Styrene	100-42-5	8260B	ND		8.4	1.9	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.4	0.79	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		8.4	0.84	ug/kg	2
Toluene	108-88-3	8260B	ND		8.4	2.9	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.4	1.1	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.4	2.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.4	1.4	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.4	1.3	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-009
Description: H15-MW-02E (107-109)
Matrix: Solid
Date Sampled: 08/18/2011 1120
% Solids: 68.1 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/24/2011 1301	SAS		66410	4.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		8.4	3.2	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		8.4	2.5	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		8.4	1.4	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		8.4	4.9	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-010
Description: H15-MW-02E (112-114)
Matrix: Solid
Date Sampled: 08/18/2011 1230
% Solids: 50.5 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/22/2011 2209	SAS		66167	3.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		59	20	ug/kg	1
Benzene	71-43-2	8260B	ND		15	3.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		15	5.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		15	2.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		15	5.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		29	7.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	74		15	3.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		15	5.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		15	5.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		15	3.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		15	2.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		15	2.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		15	2.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		15	4.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		15	5.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		15	2.5	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		15	5.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		15	5.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		15	5.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		15	4.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		15	2.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		15	2.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		15	5.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		15	2.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		15	4.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		15	2.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		15	2.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		15	2.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		15	5.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		29	3.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		15	0.68	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		15	2.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		15	1.2	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		29	4.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		15	1.2	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		15	7.6	ug/kg	1
Styrene	100-42-5	8260B	ND		15	3.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		15	1.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		15	1.5	ug/kg	1
Toluene	108-88-3	8260B	ND		15	5.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		15	1.8	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		15	5.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		15	2.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		15	2.3	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-010
Description: H15-MW-02E (112-114)
Matrix: Solid
Date Sampled: 08/18/2011 1230
% Solids: 50.5 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/22/2011 2209	SAS		66167	3.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		15	5.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		15	4.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		15	2.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		15	8.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-011
Description: H15-MW-02E (116-118)
Matrix: Solid
Date Sampled: 08/18/2011 1515
% Solids: 64.7 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/24/2011 2014	SAS		66410	5.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		30	10	ug/kg	2
Benzene	71-43-2	8260B	ND		7.6	1.7	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		7.6	2.6	ug/kg	2
Bromoform	75-25-2	8260B	ND		7.6	1.1	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.6	2.7	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.7	ug/kg	2
Carbon disulfide	75-15-0	8260B	14		7.6	2.0	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		7.6	2.7	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		7.6	2.6	ug/kg	2
Chloroethane	75-00-3	8260B	ND		7.6	2.0	ug/kg	2
Chloroform	67-66-3	8260B	ND		7.6	1.3	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.6	1.5	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		7.6	1.0	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.6	2.3	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		7.6	2.6	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.6	1.3	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.6	2.6	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.6	2.6	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.6	2.6	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		7.6	2.4	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		7.6	1.1	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		7.6	1.5	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		7.6	2.6	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.6	1.2	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.6	2.3	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		7.6	1.4	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.6	1.0	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.6	1.2	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		7.6	2.6	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		15	2.0	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		7.6	0.35	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		7.6	1.5	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.6	0.61	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.3	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		7.6	0.62	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		7.6	4.0	ug/kg	2
Styrene	100-42-5	8260B	ND		7.6	1.7	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.6	0.71	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		7.6	0.76	ug/kg	2
Toluene	108-88-3	8260B	ND		7.6	2.6	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.6	0.96	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.6	2.6	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.6	1.3	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.6	1.2	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-011
Description: H15-MW-02E (116-118)
Matrix: Solid
Date Sampled: 08/18/2011 1515
% Solids: 64.7 08/19/2011 2233
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	08/24/2011 2014	SAS		66410	5.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		7.6	2.9	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		7.6	2.3	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		7.6	1.3	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		7.6	4.4	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-012
Description: Trip Blank (081811)
Matrix: Aqueous
Date Sampled: 08/18/2011
Date Received: 08/19/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0343	LBS		66224

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	0.44	J	1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-012
Description: Trip Blank (081811)
Matrix: Aqueous
Date Sampled: 08/18/2011
Date Received: 08/19/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-013
Description: H15-MW-17B
Matrix: Aqueous
Date Sampled: 08/17/2011 1720
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0603	JJG		66218

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	0.42	J	1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	0.74	J	1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	0.42	J	1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	9.0		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.33	J	1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	0.41	J	1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.4		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	61		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.73	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-013
Description: H15-MW-17B
Matrix: Aqueous
Date Sampled: 08/17/2011 1720
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-014
Description: H15-MW-18B
Matrix: Aqueous
Date Sampled: 08/18/2011 0925
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0426	LBS		66224

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	0.34	J	1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.1		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-014
Description: H15-MW-18B
Matrix: Aqueous
Date Sampled: 08/18/2011 0925
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-015
Description: H15-MW-19B
Matrix: Aqueous
Date Sampled: 08/18/2011 1146
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0447	LBS		66224

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.26	J	1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.5		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	4.5		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.85	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-015
Description: H15-MW-19B
Matrix: Aqueous
Date Sampled: 08/18/2011 1146
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-016
Description: H15-MW-09C
Matrix: Aqueous
Date Sampled: 08/18/2011 1551
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0508	LBS		66224

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	1.1		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	7.6	J	10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	1.0		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	140		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.31	J	1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	3.1		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	0.071	J	1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.85	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-016
Description: H15-MW-09C
Matrix: Aqueous
Date Sampled: 08/18/2011 1551
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-017
Description: H15-MW-11C
Matrix: Aqueous
Date Sampled: 08/18/2011 1804
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0529	LBS		66224

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	0.35	J	1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	1.1		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-017
Description: H15-MW-11C
Matrix: Aqueous
Date Sampled: 08/18/2011 1804
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-018
Description: H15-MW-15B
Matrix: Aqueous
Date Sampled: 08/19/2011 0943
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0625	JJG		66218

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.10	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.50	J	1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	6.3		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.92	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-018
Description: H15-MW-15B
Matrix: Aqueous
Date Sampled: 08/19/2011 0943
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-019
Description: H15-MW-15C
Matrix: Aqueous
Date Sampled: 08/19/2011 1049
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 0646	JJG		66218
2	5030B	8260B	1	08/26/2011 1054	DLB		66540

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	13	J	20	6.7	ug/L	2
Benzene	71-43-2	8260B	0.43	J	1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	8.0	J	10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.22	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	21		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	1.1		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.68	J	1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-019
Description: H15-MW-15C
Matrix: Aqueous
Date Sampled: 08/19/2011 1049
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	70-130		104	70-130
Bromofluorobenzene		101	70-130		104	70-130
Toluene-d8		105	70-130		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-020
Description: Trip Blank (081911)
Matrix: Aqueous
Date Sampled: 08/19/2011
Date Received: 08/20/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/23/2011 1619	BM		66291

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH18016-020
Description: Trip Blank (081911)
Matrix: Aqueous
Date Sampled: 08/19/2011
Date Received: 08/20/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66029-001
Batch: 66029
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/18/2011 2219
Benzene	ND		1	5.0	1.1	ug/kg	08/18/2011 2219
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
Bromoform	ND		1	5.0	0.70	ug/kg	08/18/2011 2219
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/18/2011 2219
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/18/2011 2219
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/18/2011 2219
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/18/2011 2219
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
Chloroethane	ND		1	5.0	1.3	ug/kg	08/18/2011 2219
Chloroform	ND		1	5.0	0.83	ug/kg	08/18/2011 2219
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/18/2011 2219
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/18/2011 2219
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/18/2011 2219
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/18/2011 2219
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/18/2011 2219
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/18/2011 2219
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/18/2011 2219
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/18/2011 2219
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/18/2011 2219
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/18/2011 2219
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/18/2011 2219
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/18/2011 2219
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
2-Hexanone	1.3	J	1	10	1.3	ug/kg	08/18/2011 2219
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/18/2011 2219
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/18/2011 2219
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/18/2011 2219
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/18/2011 2219
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/18/2011 2219
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/18/2011 2219
Styrene	ND		1	5.0	1.1	ug/kg	08/18/2011 2219
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/18/2011 2219
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/18/2011 2219
Toluene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/18/2011 2219
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/18/2011 2219
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/18/2011 2219
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/18/2011 2219

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66029-001
Batch: 66029
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/18/2011 2219
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/18/2011 2219
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/18/2011 2219
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/18/2011 2219

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66029-002
Batch: 66029
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	106	42-149	08/18/2011 2052
Benzene	50	47		1	94	69-123	08/18/2011 2052
Bromodichloromethane	50	47		1	95	69-121	08/18/2011 2052
Bromoform	50	45		1	90	61-119	08/18/2011 2052
Bromomethane (Methyl bromide)	50	48		1	95	35-144	08/18/2011 2052
2-Butanone (MEK)	100	90		1	90	57-148	08/18/2011 2052
Carbon disulfide	50	43		1	85	58-122	08/18/2011 2052
Carbon tetrachloride	50	46		1	93	58-136	08/18/2011 2052
Chlorobenzene	50	48		1	96	59-129	08/18/2011 2052
Chloroethane	50	50		1	100	42-163	08/18/2011 2052
Chloroform	50	44		1	89	71-125	08/18/2011 2052
Chloromethane (Methyl chloride)	50	48		1	97	34-134	08/18/2011 2052
Cyclohexane	50	46		1	93	53-139	08/18/2011 2052
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	55-125	08/18/2011 2052
Dibromochloromethane	50	47		1	93	66-119	08/18/2011 2052
1,2-Dibromoethane (EDB)	50	48		1	97	74-124	08/18/2011 2052
1,4-Dichlorobenzene	50	48		1	96	52-133	08/18/2011 2052
1,3-Dichlorobenzene	50	47		1	94	51-134	08/18/2011 2052
1,2-Dichlorobenzene	50	48		1	96	57-131	08/18/2011 2052
Dichlorodifluoromethane	50	47		1	94	10-157	08/18/2011 2052
1,1-Dichloroethane	50	46		1	91	71-127	08/18/2011 2052
1,2-Dichloroethane	50	45		1	91	67-129	08/18/2011 2052
trans-1,2-Dichloroethene	50	46		1	91	68-131	08/18/2011 2052
1,1-Dichloroethene	50	47		1	95	69-138	08/18/2011 2052
cis-1,2-Dichloroethene	50	45		1	91	70-122	08/18/2011 2052
1,2-Dichloropropane	50	48		1	96	72-124	08/18/2011 2052
cis-1,3-Dichloropropene	50	49		1	98	70-126	08/18/2011 2052
trans-1,3-Dichloropropene	50	49		1	98	70-124	08/18/2011 2052
Ethylbenzene	50	50		1	100	59-128	08/18/2011 2052
2-Hexanone	100	100		1	100	54-137	08/18/2011 2052
Isopropylbenzene	50	48		1	96	50-136	08/18/2011 2052
Methyl acetate	50	62		1	124	59-137	08/18/2011 2052
Methyl tertiary butyl ether (MTBE)	50	48		1	96	72-122	08/18/2011 2052
4-Methyl-2-pentanone	100	100		1	101	60-134	08/18/2011 2052
Methylcyclohexane	50	51		1	102	41-144	08/18/2011 2052
Methylene chloride	50	45		1	90	77-129	08/18/2011 2052
Styrene	50	52		1	104	54-136	08/18/2011 2052
1,1,2,2-Tetrachloroethane	50	49		1	97	69-132	08/18/2011 2052
Tetrachloroethene	50	48		1	96	45-150	08/18/2011 2052
Toluene	50	49		1	98	61-129	08/18/2011 2052
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	89	49-136	08/18/2011 2052
1,2,4-Trichlorobenzene	50	53		1	106	34-145	08/18/2011 2052
1,1,2-Trichloroethane	50	47		1	94	55-128	08/18/2011 2052
1,1,1-Trichloroethane	50	46		1	92	63-128	08/18/2011 2052

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66029-002
Batch: 66029
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	95	62-126	08/18/2011 2052
Trichlorofluoromethane	50	49		1	98	45-138	08/18/2011 2052
Vinyl chloride	50	48		1	96	42-132	08/18/2011 2052
Xylenes (total)	100	100		1	101	58-128	08/18/2011 2052

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66029-003
Batch: 66029
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	98		1	98	7.3	42-149	20	08/18/2011 2114
Benzene	50	46		1	93	0.77	69-123	20	08/18/2011 2114
Bromodichloromethane	50	47		1	93	1.4	69-121	20	08/18/2011 2114
Bromoform	50	46		1	91	1.1	61-119	20	08/18/2011 2114
Bromomethane (Methyl bromide)	50	43		1	85	11	35-144	20	08/18/2011 2114
2-Butanone (MEK)	100	89		1	89	0.72	57-148	20	08/18/2011 2114
Carbon disulfide	50	40		1	79	7.1	58-122	20	08/18/2011 2114
Carbon tetrachloride	50	43		1	87	6.4	58-136	20	08/18/2011 2114
Chlorobenzene	50	47		1	95	1.2	59-129	20	08/18/2011 2114
Chloroethane	50	46		1	91	9.5	42-163	20	08/18/2011 2114
Chloroform	50	43		1	86	3.7	71-125	20	08/18/2011 2114
Chloromethane (Methyl chloride)	50	43		1	85	12	34-134	20	08/18/2011 2114
Cyclohexane	50	43		1	86	7.3	53-139	20	08/18/2011 2114
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	5.1	55-125	20	08/18/2011 2114
Dibromochloromethane	50	47		1	94	0.70	66-119	20	08/18/2011 2114
1,2-Dibromoethane (EDB)	50	49		1	97	0.92	74-124	20	08/18/2011 2114
1,4-Dichlorobenzene	50	48		1	95	0.57	52-133	20	08/18/2011 2114
1,3-Dichlorobenzene	50	47		1	93	0.91	51-134	20	08/18/2011 2114
1,2-Dichlorobenzene	50	47		1	94	1.9	57-131	20	08/18/2011 2114
Dichlorodifluoromethane	50	41		1	82	13	10-157	20	08/18/2011 2114
1,1-Dichloroethane	50	43		1	87	5.4	71-127	20	08/18/2011 2114
1,2-Dichloroethane	50	44		1	89	1.9	67-129	20	08/18/2011 2114
trans-1,2-Dichloroethene	50	43		1	86	5.3	68-131	20	08/18/2011 2114
1,1-Dichloroethene	50	45		1	90	5.3	69-138	20	08/18/2011 2114
cis-1,2-Dichloroethene	50	43		1	86	4.9	70-122	20	08/18/2011 2114
1,2-Dichloropropane	50	47		1	94	1.8	72-124	20	08/18/2011 2114
cis-1,3-Dichloropropene	50	48		1	97	0.81	70-126	20	08/18/2011 2114
trans-1,3-Dichloropropene	50	50		1	99	0.66	70-124	20	08/18/2011 2114
Ethylbenzene	50	49		1	98	2.5	59-128	20	08/18/2011 2114
2-Hexanone	100	100		1	100	0.40	54-137	20	08/18/2011 2114
Isopropylbenzene	50	47		1	94	2.0	50-136	20	08/18/2011 2114
Methyl acetate	50	59		1	118	4.9	59-137	20	08/18/2011 2114
Methyl tertiary butyl ether (MTBE)	50	46		1	91	5.5	72-122	20	08/18/2011 2114
4-Methyl-2-pentanone	100	98		1	98	3.1	60-134	20	08/18/2011 2114
Methylcyclohexane	50	48		1	96	5.8	41-144	20	08/18/2011 2114
Methylene chloride	50	43		1	86	4.8	77-129	20	08/18/2011 2114
Styrene	50	51		1	102	2.6	54-136	20	08/18/2011 2114
1,1,2,2-Tetrachloroethane	50	49		1	97	0.066	69-132	20	08/18/2011 2114
Tetrachloroethene	50	48		1	96	0.054	45-150	20	08/18/2011 2114
Toluene	50	47		1	95	2.7	61-129	20	08/18/2011 2114
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	40		1	81	9.1	49-136	20	08/18/2011 2114
1,2,4-Trichlorobenzene	50	50		1	101	4.7	34-145	20	08/18/2011 2114
1,1,2-Trichloroethane	50	48		1	95	1.0	55-128	20	08/18/2011 2114
1,1,1-Trichloroethane	50	43		1	87	5.6	63-128	20	08/18/2011 2114

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66029-003
Batch: 66029
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	46		1	92	2.6	62-126	20	08/18/2011 2114
Trichlorofluoromethane	50	45		1	90	8.8	45-138	20	08/18/2011 2114
Vinyl chloride	50	42		1	85	12	42-132	20	08/18/2011 2114
Xylenes (total)	100	97		1	97	3.7	58-128	20	08/18/2011 2114

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66167-001
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/22/2011 1517
Benzene	ND		1	5.0	1.1	ug/kg	08/22/2011 1517
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
Bromoform	ND		1	5.0	0.70	ug/kg	08/22/2011 1517
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/22/2011 1517
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/22/2011 1517
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/22/2011 1517
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/22/2011 1517
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
Chloroethane	ND		1	5.0	1.3	ug/kg	08/22/2011 1517
Chloroform	ND		1	5.0	0.83	ug/kg	08/22/2011 1517
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/22/2011 1517
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/22/2011 1517
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/22/2011 1517
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/22/2011 1517
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/22/2011 1517
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/22/2011 1517
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/22/2011 1517
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/22/2011 1517
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/22/2011 1517
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/22/2011 1517
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/22/2011 1517
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/22/2011 1517
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
2-Hexanone	ND		1	10	1.3	ug/kg	08/22/2011 1517
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/22/2011 1517
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/22/2011 1517
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/22/2011 1517
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/22/2011 1517
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/22/2011 1517
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/22/2011 1517
Styrene	ND		1	5.0	1.1	ug/kg	08/22/2011 1517
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/22/2011 1517
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/22/2011 1517
Toluene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/22/2011 1517
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/22/2011 1517
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/22/2011 1517
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/22/2011 1517

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66167-001
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/22/2011 1517
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/22/2011 1517
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/22/2011 1517
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/22/2011 1517

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		96	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66167-002
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	79		1	79	42-149	08/22/2011 1314
Benzene	50	38		1	75	69-123	08/22/2011 1314
Bromodichloromethane	50	40		1	80	69-121	08/22/2011 1314
Bromoform	50	40		1	80	61-119	08/22/2011 1314
Bromomethane (Methyl bromide)	50	34		1	68	35-144	08/22/2011 1314
2-Butanone (MEK)	100	68		1	68	57-148	08/22/2011 1314
Carbon disulfide	50	31		1	61	58-122	08/22/2011 1314
Carbon tetrachloride	50	36		1	71	58-136	08/22/2011 1314
Chlorobenzene	50	40		1	80	59-129	08/22/2011 1314
Chloroethane	50	36		1	71	42-163	08/22/2011 1314
Chloroform	50	36		1	72	71-125	08/22/2011 1314
Chloromethane (Methyl chloride)	50	26		1	52	34-134	08/22/2011 1314
Cyclohexane	50	35		1	71	53-139	08/22/2011 1314
1,2-Dibromo-3-chloropropane (DBCP)	50	38		1	75	55-125	08/22/2011 1314
Dibromochloromethane	50	41		1	83	66-119	08/22/2011 1314
1,2-Dibromoethane (EDB)	50	41		1	82	74-124	08/22/2011 1314
1,4-Dichlorobenzene	50	41		1	83	52-133	08/22/2011 1314
1,3-Dichlorobenzene	50	41		1	81	51-134	08/22/2011 1314
1,2-Dichlorobenzene	50	41		1	82	57-131	08/22/2011 1314
Dichlorodifluoromethane	50	28		1	55	10-157	08/22/2011 1314
1,2-Dichloroethane	50	37		1	74	67-129	08/22/2011 1314
1,1-Dichloroethane	50	36		1	72	71-127	08/22/2011 1314
trans-1,2-Dichloroethene	50	35		1	71	68-131	08/22/2011 1314
cis-1,2-Dichloroethene	50	36		1	71	70-122	08/22/2011 1314
1,1-Dichloroethene	50	35		1	70	69-138	08/22/2011 1314
1,2-Dichloropropane	50	39		1	79	72-124	08/22/2011 1314
trans-1,3-Dichloropropene	50	42		1	85	70-124	08/22/2011 1314
cis-1,3-Dichloropropene	50	41		1	82	70-126	08/22/2011 1314
Ethylbenzene	50	41		1	81	59-128	08/22/2011 1314
2-Hexanone	100	84		1	84	54-137	08/22/2011 1314
Isopropylbenzene	50	41		1	82	50-136	08/22/2011 1314
Methyl acetate	50	42		1	84	59-137	08/22/2011 1314
Methyl tertiary butyl ether (MTBE)	50	36		1	72	72-122	08/22/2011 1314
4-Methyl-2-pentanone	100	83		1	83	60-134	08/22/2011 1314
Methylcyclohexane	50	39		1	79	41-144	08/22/2011 1314
Methylene chloride	50	34	N	1	68	77-129	08/22/2011 1314
Styrene	50	44		1	87	54-136	08/22/2011 1314
1,1,2,2-Tetrachloroethane	50	42		1	85	69-132	08/22/2011 1314
Tetrachloroethene	50	40		1	80	45-150	08/22/2011 1314
Toluene	50	39		1	78	61-129	08/22/2011 1314
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	32		1	64	49-136	08/22/2011 1314
1,2,4-Trichlorobenzene	50	44		1	87	34-145	08/22/2011 1314
1,1,2-Trichloroethane	50	41		1	82	55-128	08/22/2011 1314
1,1,1-Trichloroethane	50	35		1	70	63-128	08/22/2011 1314

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66167-002
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	39		1	78	62-126	08/22/2011 1314
Trichlorofluoromethane	50	35		1	71	45-138	08/22/2011 1314
Vinyl chloride	50	30		1	60	42-132	08/22/2011 1314
Xylenes (total)	100	82		1	82	58-128	08/22/2011 1314

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		92	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66167-003
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	14	42-149	20	08/22/2011 1336
Benzene	50	37		1	75	0.60	69-123	20	08/22/2011 1336
Bromodichloromethane	50	40		1	81	0.92	69-121	20	08/22/2011 1336
Bromoform	50	41		1	82	3.3	61-119	20	08/22/2011 1336
Bromomethane (Methyl bromide)	50	33		1	66	2.2	35-144	20	08/22/2011 1336
2-Butanone (MEK)	100	76		1	76	11	57-148	20	08/22/2011 1336
Carbon disulfide	50	31		1	62	1.7	58-122	20	08/22/2011 1336
Carbon tetrachloride	50	36		1	71	0.33	58-136	20	08/22/2011 1336
Chlorobenzene	50	39		1	79	1.1	59-129	20	08/22/2011 1336
Chloroethane	50	36		1	71	0.27	42-163	20	08/22/2011 1336
Chloroform	50	37		1	74	2.4	71-125	20	08/22/2011 1336
Chloromethane (Methyl chloride)	50	25		1	50	3.9	34-134	20	08/22/2011 1336
Cyclohexane	50	35		1	70	0.79	53-139	20	08/22/2011 1336
1,2-Dibromo-3-chloropropane (DBCP)	50	38		1	76	1.8	55-125	20	08/22/2011 1336
Dibromochloromethane	50	42		1	84	1.7	66-119	20	08/22/2011 1336
1,2-Dibromoethane (EDB)	50	42		1	84	2.7	74-124	20	08/22/2011 1336
1,4-Dichlorobenzene	50	41		1	82	1.3	52-133	20	08/22/2011 1336
1,3-Dichlorobenzene	50	40		1	81	0.82	51-134	20	08/22/2011 1336
1,2-Dichlorobenzene	50	41		1	82	0.46	57-131	20	08/22/2011 1336
Dichlorodifluoromethane	50	27		1	55	0.65	10-157	20	08/22/2011 1336
1,2-Dichloroethane	50	38		1	76	2.7	67-129	20	08/22/2011 1336
1,1-Dichloroethane	50	36		1	73	1.2	71-127	20	08/22/2011 1336
trans-1,2-Dichloroethene	50	36		1	71	0.67	68-131	20	08/22/2011 1336
cis-1,2-Dichloroethene	50	37		1	73	3.3	70-122	20	08/22/2011 1336
1,1-Dichloroethene	50	36		1	72	2.7	69-138	20	08/22/2011 1336
1,2-Dichloropropane	50	39		1	79	0.56	72-124	20	08/22/2011 1336
trans-1,3-Dichloropropene	50	42		1	85	0.51	70-124	20	08/22/2011 1336
cis-1,3-Dichloropropene	50	41		1	82	0.073	70-126	20	08/22/2011 1336
Ethylbenzene	50	41		1	81	0.21	59-128	20	08/22/2011 1336
2-Hexanone	100	90		1	90	7.3	54-137	20	08/22/2011 1336
Isopropylbenzene	50	40		1	81	1.5	50-136	20	08/22/2011 1336
Methyl acetate	50	46		1	91	8.1	59-137	20	08/22/2011 1336
Methyl tertiary butyl ether (MTBE)	50	38		1	76	5.5	72-122	20	08/22/2011 1336
4-Methyl-2-pentanone	100	86		1	86	3.6	60-134	20	08/22/2011 1336
Methylcyclohexane	50	39		1	78	0.16	41-144	20	08/22/2011 1336
Methylene chloride	50	36	N	1	72	5.7	77-129	20	08/22/2011 1336
Styrene	50	43		1	87	0.19	54-136	20	08/22/2011 1336
1,1,2,2-Tetrachloroethane	50	43		1	87	1.9	69-132	20	08/22/2011 1336
Tetrachloroethene	50	40		1	79	1.3	45-150	20	08/22/2011 1336
Toluene	50	38		1	76	1.8	61-129	20	08/22/2011 1336
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	32		1	64	0.38	49-136	20	08/22/2011 1336
1,2,4-Trichlorobenzene	50	41		1	83	5.5	34-145	20	08/22/2011 1336
1,1,2-Trichloroethane	50	42		1	83	1.7	55-128	20	08/22/2011 1336
1,1,1-Trichloroethane	50	36		1	71	1.9	63-128	20	08/22/2011 1336

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66167-003
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	39		1	78	0.19	62-126	20	08/22/2011 1336
Trichlorofluoromethane	50	35		1	70	1.4	45-138	20	08/22/2011 1336
Vinyl chloride	50	29		1	58	4.0	42-132	20	08/22/2011 1336
Xylenes (total)	100	81		1	81	1.2	58-128	20	08/22/2011 1336

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		91	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: MH18016-006DU
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	21	ND		1	200	20	08/22/2011 2315
Benzene	ND	ND		1	0.00	20	08/22/2011 2315
Bromodichloromethane	ND	ND		1	0.00	20	08/22/2011 2315
Bromoform	ND	ND		1	0.00	20	08/22/2011 2315
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	08/22/2011 2315
2-Butanone (MEK)	ND	ND		1	0.00	20	08/22/2011 2315
Carbon disulfide	26	21		1	20	20	08/22/2011 2315
Carbon tetrachloride	ND	ND		1	0.00	20	08/22/2011 2315
Chlorobenzene	ND	ND		1	0.00	20	08/22/2011 2315
Chloroethane	ND	ND		1	0.00	20	08/22/2011 2315
Chloroform	ND	ND		1	0.00	20	08/22/2011 2315
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	08/22/2011 2315
Cyclohexane	ND	ND		1	0.00	20	08/22/2011 2315
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	08/22/2011 2315
Dibromochloromethane	ND	ND		1	0.00	20	08/22/2011 2315
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	08/22/2011 2315
1,4-Dichlorobenzene	ND	ND		1	0.00	20	08/22/2011 2315
1,3-Dichlorobenzene	ND	ND		1	0.00	20	08/22/2011 2315
1,2-Dichlorobenzene	ND	ND		1	0.00	20	08/22/2011 2315
Dichlorodifluoromethane	ND	ND		1	0.00	20	08/22/2011 2315
1,2-Dichloroethane	ND	ND		1	0.00	20	08/22/2011 2315
1,1-Dichloroethane	ND	ND		1	0.00	20	08/22/2011 2315
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	08/22/2011 2315
cis-1,2-Dichloroethene	2.0	ND		1	200	20	08/22/2011 2315
1,1-Dichloroethene	ND	ND		1	0.00	20	08/22/2011 2315
1,2-Dichloropropane	ND	ND		1	0.00	20	08/22/2011 2315
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	08/22/2011 2315
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	08/22/2011 2315
Ethylbenzene	ND	ND		1	0.00	20	08/22/2011 2315
2-Hexanone	ND	ND		1	0.00	20	08/22/2011 2315
Isopropylbenzene	ND	ND		1	0.00	20	08/22/2011 2315
Methyl acetate	ND	ND		1	0.00	20	08/22/2011 2315
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	08/22/2011 2315
4-Methyl-2-pentanone	ND	ND		1	0.00	20	08/22/2011 2315
Methylcyclohexane	ND	ND		1	0.00	20	08/22/2011 2315
Methylene chloride	ND	ND		1	0.00	20	08/22/2011 2315
Styrene	ND	ND		1	0.00	20	08/22/2011 2315
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	08/22/2011 2315
Tetrachloroethene	ND	ND		1	0.00	20	08/22/2011 2315
Toluene	ND	ND		1	0.00	20	08/22/2011 2315
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	08/22/2011 2315
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	08/22/2011 2315
1,1,2-Trichloroethane	ND	ND		1	0.00	20	08/22/2011 2315
1,1,1-Trichloroethane	ND	ND		1	0.00	20	08/22/2011 2315

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: MH18016-006DU
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	19	ND		1	200	20	08/22/2011 2315
Trichlorofluoromethane	ND	ND		1	0.00	20	08/22/2011 2315
Vinyl chloride	ND	ND		1	0.00	20	08/22/2011 2315
Xylenes (total)	ND	ND		1	0.00	20	08/22/2011 2315

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		87	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: MH18016-007MS
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	18	160	150		1	83	42-149	08/22/2011 2337
Benzene	ND	80	67		1	83	69-123	08/22/2011 2337
Bromodichloromethane	ND	80	63		1	79	69-121	08/22/2011 2337
Bromoform	ND	80	51		1	63	61-119	08/22/2011 2337
Bromomethane (Methyl bromide)	ND	80	60		1	75	35-144	08/22/2011 2337
2-Butanone (MEK)	ND	160	120		1	73	57-148	08/22/2011 2337
Carbon disulfide	18	80	89		1	88	58-122	08/22/2011 2337
Carbon tetrachloride	ND	80	55		1	68	58-136	08/22/2011 2337
Chlorobenzene	ND	80	67		1	83	59-129	08/22/2011 2337
Chloroethane	ND	80	73		1	91	50-132	08/22/2011 2337
Chloroform	ND	80	70		1	87	71-125	08/22/2011 2337
Chloromethane (Methyl chloride)	ND	80	64		1	79	34-134	08/22/2011 2337
Cyclohexane	ND	80	66		1	82	53-139	08/22/2011 2337
1,2-Dibromo-3-chloropropane (DBCP)	ND	80	60		1	75	55-125	08/22/2011 2337
Dibromochloromethane	ND	80	63		1	78	66-119	08/22/2011 2337
1,2-Dibromoethane (EDB)	ND	80	67		1	83	74-124	08/22/2011 2337
1,4-Dichlorobenzene	ND	80	69		1	86	52-133	08/22/2011 2337
1,3-Dichlorobenzene	ND	80	68		1	85	51-134	08/22/2011 2337
1,2-Dichlorobenzene	ND	80	63		1	78	57-131	08/22/2011 2337
Dichlorodifluoromethane	ND	80	58		1	73	10-157	08/22/2011 2337
1,2-Dichloroethane	ND	80	66		1	82	67-129	08/22/2011 2337
1,1-Dichloroethane	ND	80	69		1	86	71-127	08/22/2011 2337
trans-1,2-Dichloroethene	ND	80	69		1	85	68-131	08/22/2011 2337
cis-1,2-Dichloroethene	ND	80	68		1	85	70-122	08/22/2011 2337
1,1-Dichloroethene	ND	80	73		1	91	69-138	08/22/2011 2337
1,2-Dichloropropane	ND	80	68		1	84	72-124	08/22/2011 2337
trans-1,3-Dichloropropene	ND	80	52	N	1	64	70-124	08/22/2011 2337
cis-1,3-Dichloropropene	ND	80	49	N	1	61	70-126	08/22/2011 2337
Ethylbenzene	ND	80	69		1	86	59-128	08/22/2011 2337
2-Hexanone	ND	160	130		1	78	54-137	08/22/2011 2337
Isopropylbenzene	ND	80	91		1	113	50-136	08/22/2011 2337
Methyl acetate	ND	80	34	N	1	42	59-137	08/22/2011 2337
Methyl tertiary butyl ether (MTBE)	ND	80	64		1	80	72-122	08/22/2011 2337
4-Methyl-2-pentanone	ND	160	130		1	79	60-134	08/22/2011 2337
Methylcyclohexane	ND	80	61		1	75	41-144	08/22/2011 2337
Methylene chloride	ND	80	69		1	86	77-129	08/22/2011 2337
Styrene	ND	80	53		1	66	54-136	08/22/2011 2337
1,1,2,2-Tetrachloroethane	ND	80	87		1	108	69-132	08/22/2011 2337
Tetrachloroethene	ND	80	70		1	86	70-130	08/22/2011 2337
Toluene	ND	80	66		1	81	61-129	08/22/2011 2337
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	80	68		1	84	49-136	08/22/2011 2337
1,2,4-Trichlorobenzene	ND	80	32		1	39	34-145	08/22/2011 2337
1,1,2-Trichloroethane	ND	80	70		1	87	55-128	08/22/2011 2337
1,1,1-Trichloroethane	ND	80	70		1	87	63-128	08/22/2011 2337

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: MH18016-007MS
Batch: 66167
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	4.1	80	76		1	89	62-126	08/22/2011 2337
Trichlorofluoromethane	ND	80	76		1	94	45-138	08/22/2011 2337
Vinyl chloride	ND	80	69		1	86	42-132	08/22/2011 2337
Xylenes (total)	ND	160	130		1	83	58-128	08/22/2011 2337

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66218-001
Batch: 66218
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/22/2011 2239
Benzene	ND		1	1.0	0.13	ug/L	08/22/2011 2239
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/22/2011 2239
Bromoform	ND		1	1.0	0.66	ug/L	08/22/2011 2239
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/22/2011 2239
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/22/2011 2239
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/22/2011 2239
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/22/2011 2239
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/22/2011 2239
Chloroethane	ND		1	2.0	0.47	ug/L	08/22/2011 2239
Chloroform	ND		1	1.0	0.33	ug/L	08/22/2011 2239
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/22/2011 2239
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/22/2011 2239
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/22/2011 2239
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/22/2011 2239
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/22/2011 2239
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/22/2011 2239
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/22/2011 2239
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/22/2011 2239
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/22/2011 2239
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/22/2011 2239
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/22/2011 2239
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/22/2011 2239
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/22/2011 2239
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/22/2011 2239
2-Hexanone	ND		1	10	0.27	ug/L	08/22/2011 2239
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/22/2011 2239
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/22/2011 2239
Methylene chloride	ND		1	1.0	0.33	ug/L	08/22/2011 2239
Styrene	ND		1	1.0	0.12	ug/L	08/22/2011 2239
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/22/2011 2239
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/22/2011 2239
Toluene	ND		1	1.0	0.33	ug/L	08/22/2011 2239
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/22/2011 2239
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/22/2011 2239
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/22/2011 2239
Trichloroethene	ND		1	1.0	0.18	ug/L	08/22/2011 2239
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/22/2011 2239
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/22/2011 2239

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66218-002
Batch: 66218
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	160	N	1	162	70-130	08/22/2011 2306
Benzene	50	52		1	105	70-130	08/22/2011 2306
Bromodichloromethane	50	58		1	116	70-130	08/22/2011 2306
Bromoform	50	50		1	99	70-130	08/22/2011 2306
Bromomethane (Methyl bromide)	50	49		1	97	60-140	08/22/2011 2306
2-Butanone (MEK)	100	120		1	118	60-140	08/22/2011 2306
Carbon disulfide	50	48		1	96	60-140	08/22/2011 2306
Carbon tetrachloride	50	55		1	111	70-130	08/22/2011 2306
Chlorobenzene	50	51		1	102	70-130	08/22/2011 2306
Chloroethane	50	51		1	102	42-163	08/22/2011 2306
Chloroform	50	52		1	103	70-130	08/22/2011 2306
Chloromethane (Methyl chloride)	50	50		1	100	70-130	08/22/2011 2306
Dibromochloromethane	50	47		1	94	70-130	08/22/2011 2306
1,4-Dichlorobenzene	50	50		1	101	70-130	08/22/2011 2306
1,2-Dichlorobenzene	50	52		1	103	70-130	08/22/2011 2306
1,3-Dichlorobenzene	50	52		1	103	70-130	08/22/2011 2306
1,2-Dichloroethane	50	53		1	106	70-130	08/22/2011 2306
1,1-Dichloroethane	50	52		1	105	70-130	08/22/2011 2306
1,1-Dichloroethene	50	53		1	106	70-130	08/22/2011 2306
cis-1,2-Dichloroethene	50	51		1	102	70-130	08/22/2011 2306
trans-1,2-Dichloroethene	50	50		1	100	70-130	08/22/2011 2306
1,2-Dichloropropane	50	52		1	105	70-130	08/22/2011 2306
cis-1,3-Dichloropropene	50	51		1	102	70-130	08/22/2011 2306
trans-1,3-Dichloropropene	50	50		1	99	70-130	08/22/2011 2306
Ethylbenzene	50	53		1	106	70-130	08/22/2011 2306
2-Hexanone	100	120		1	125	60-140	08/22/2011 2306
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	08/22/2011 2306
4-Methyl-2-pentanone	100	130		1	126	60-140	08/22/2011 2306
Methylene chloride	50	48		1	96	70-130	08/22/2011 2306
Styrene	50	53		1	106	70-130	08/22/2011 2306
1,1,2,2-Tetrachloroethane	50	57		1	115	60-140	08/22/2011 2306
Tetrachloroethene	50	52		1	103	70-130	08/22/2011 2306
Toluene	50	52		1	105	70-130	08/22/2011 2306
1,2,4-Trichlorobenzene	50	53		1	107	70-130	08/22/2011 2306
1,1,2-Trichloroethane	50	52		1	103	70-130	08/22/2011 2306
1,1,1-Trichloroethane	50	51		1	103	70-130	08/22/2011 2306
Trichloroethene	50	53		1	105	70-130	08/22/2011 2306
Vinyl chloride	50	50		1	100	70-130	08/22/2011 2306
Xylenes (total)	100	110		1	109	70-130	08/22/2011 2306

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		113	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66218-003
Batch: 66218
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	160	N	1	156	3.9	70-130	20	08/22/2011 2135
Benzene	50	52		1	104	0.84	70-130	20	08/22/2011 2135
Bromodichloromethane	50	58		1	115	0.13	70-130	20	08/22/2011 2135
Bromoform	50	50		1	99	0.15	70-130	20	08/22/2011 2135
Bromomethane (Methyl bromide)	50	48		1	96	1.9	60-140	20	08/22/2011 2135
2-Butanone (MEK)	100	120		1	117	0.55	60-140	20	08/22/2011 2135
Carbon disulfide	50	49		1	97	0.83	60-140	20	08/22/2011 2135
Carbon tetrachloride	50	56		1	111	0.47	70-130	20	08/22/2011 2135
Chlorobenzene	50	51		1	102	0.053	70-130	20	08/22/2011 2135
Chloroethane	50	50		1	101	1.5	42-163	20	08/22/2011 2135
Chloroform	50	51		1	102	1.2	70-130	20	08/22/2011 2135
Chloromethane (Methyl chloride)	50	48		1	95	5.0	70-130	20	08/22/2011 2135
Dibromochloromethane	50	48		1	95	1.1	70-130	20	08/22/2011 2135
1,4-Dichlorobenzene	50	50		1	100	1.3	70-130	20	08/22/2011 2135
1,2-Dichlorobenzene	50	52		1	103	0.095	70-130	20	08/22/2011 2135
1,3-Dichlorobenzene	50	52		1	104	0.38	70-130	20	08/22/2011 2135
1,2-Dichloroethane	50	52		1	104	1.6	70-130	20	08/22/2011 2135
1,1-Dichloroethane	50	52		1	105	0.029	70-130	20	08/22/2011 2135
1,1-Dichloroethene	50	53		1	105	0.38	70-130	20	08/22/2011 2135
cis-1,2-Dichloroethene	50	51		1	102	0.047	70-130	20	08/22/2011 2135
trans-1,2-Dichloroethene	50	50		1	100	0.074	70-130	20	08/22/2011 2135
1,2-Dichloropropane	50	53		1	105	0.73	70-130	20	08/22/2011 2135
cis-1,3-Dichloropropene	50	51		1	102	0.20	70-130	20	08/22/2011 2135
trans-1,3-Dichloropropene	50	50		1	100	1.2	70-130	20	08/22/2011 2135
Ethylbenzene	50	54		1	107	1.2	70-130	20	08/22/2011 2135
2-Hexanone	100	120		1	125	0.13	60-140	20	08/22/2011 2135
Methyl tertiary butyl ether (MTBE)	50	55		1	109	0.62	70-130	20	08/22/2011 2135
4-Methyl-2-pentanone	100	130		1	126	0.48	60-140	20	08/22/2011 2135
Methylene chloride	50	49		1	97	0.67	70-130	20	08/22/2011 2135
Styrene	50	53		1	106	0.26	70-130	20	08/22/2011 2135
1,1,2,2-Tetrachloroethane	50	57		1	113	1.3	60-140	20	08/22/2011 2135
Tetrachloroethene	50	52		1	103	0.18	70-130	20	08/22/2011 2135
Toluene	50	52		1	104	0.41	70-130	20	08/22/2011 2135
1,2,4-Trichlorobenzene	50	54		1	107	0.41	70-130	20	08/22/2011 2135
1,1,2-Trichloroethane	50	53		1	106	2.1	70-130	20	08/22/2011 2135
1,1,1-Trichloroethane	50	52		1	104	0.78	70-130	20	08/22/2011 2135
Trichloroethene	50	53		1	105	0.28	70-130	20	08/22/2011 2135
Vinyl chloride	50	48		1	96	3.4	70-130	20	08/22/2011 2135
Xylenes (total)	100	110		1	110	0.88	70-130	20	08/22/2011 2135

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66224-001
Batch: 66224
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/23/2011 0118
Benzene	ND		1	1.0	0.13	ug/L	08/23/2011 0118
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/23/2011 0118
Bromoform	ND		1	1.0	0.66	ug/L	08/23/2011 0118
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/23/2011 0118
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/23/2011 0118
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/23/2011 0118
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/23/2011 0118
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/23/2011 0118
Chloroethane	ND		1	2.0	0.47	ug/L	08/23/2011 0118
Chloroform	ND		1	1.0	0.33	ug/L	08/23/2011 0118
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/23/2011 0118
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/23/2011 0118
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/23/2011 0118
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/23/2011 0118
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/23/2011 0118
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/23/2011 0118
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/23/2011 0118
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/23/2011 0118
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/23/2011 0118
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/23/2011 0118
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/23/2011 0118
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/23/2011 0118
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/23/2011 0118
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/23/2011 0118
2-Hexanone	ND		1	10	0.27	ug/L	08/23/2011 0118
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/23/2011 0118
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/23/2011 0118
Methylene chloride	ND		1	1.0	0.33	ug/L	08/23/2011 0118
Styrene	ND		1	1.0	0.12	ug/L	08/23/2011 0118
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/23/2011 0118
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/23/2011 0118
Toluene	ND		1	1.0	0.33	ug/L	08/23/2011 0118
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/23/2011 0118
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/23/2011 0118
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/23/2011 0118
Trichloroethene	ND		1	1.0	0.18	ug/L	08/23/2011 0118
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/23/2011 0118
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/23/2011 0118

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66224-002
Batch: 66224
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	160	N	1	160	70-130	08/22/2011 2354
Benzene	50	53		1	105	70-130	08/22/2011 2354
Bromodichloromethane	50	52		1	104	70-130	08/22/2011 2354
Bromoform	50	45		1	89	70-130	08/22/2011 2354
Bromomethane (Methyl bromide)	50	49		1	98	60-140	08/22/2011 2354
2-Butanone (MEK)	100	120		1	116	60-140	08/22/2011 2354
Carbon disulfide	50	63		1	126	60-140	08/22/2011 2354
Carbon tetrachloride	50	51		1	102	70-130	08/22/2011 2354
Chlorobenzene	50	51		1	102	70-130	08/22/2011 2354
Chloroethane	50	63		1	126	42-163	08/22/2011 2354
Chloroform	50	58		1	115	70-130	08/22/2011 2354
Chloromethane (Methyl chloride)	50	56		1	111	70-130	08/22/2011 2354
Dibromochloromethane	50	50		1	100	70-130	08/22/2011 2354
1,3-Dichlorobenzene	50	50		1	100	70-130	08/22/2011 2354
1,2-Dichlorobenzene	50	51		1	102	70-130	08/22/2011 2354
1,4-Dichlorobenzene	50	49		1	97	70-130	08/22/2011 2354
1,2-Dichloroethane	50	55		1	110	70-130	08/22/2011 2354
1,1-Dichloroethane	50	55		1	110	70-130	08/22/2011 2354
trans-1,2-Dichloroethene	50	56		1	113	70-130	08/22/2011 2354
cis-1,2-Dichloroethene	50	55		1	111	70-130	08/22/2011 2354
1,1-Dichloroethene	50	55		1	111	70-130	08/22/2011 2354
1,2-Dichloropropane	50	55		1	110	70-130	08/22/2011 2354
trans-1,3-Dichloropropene	50	45		1	91	70-130	08/22/2011 2354
cis-1,3-Dichloropropene	50	52		1	105	70-130	08/22/2011 2354
Ethylbenzene	50	53		1	106	70-130	08/22/2011 2354
2-Hexanone	100	110		1	111	60-140	08/22/2011 2354
Methyl tertiary butyl ether (MTBE)	50	57		1	114	70-130	08/22/2011 2354
4-Methyl-2-pentanone	100	110		1	113	60-140	08/22/2011 2354
Methylene chloride	50	54		1	109	70-130	08/22/2011 2354
Styrene	50	53		1	106	70-130	08/22/2011 2354
1,1,2,2-Tetrachloroethane	50	52		1	105	60-140	08/22/2011 2354
Tetrachloroethene	50	49		1	99	70-130	08/22/2011 2354
Toluene	50	52		1	103	70-130	08/22/2011 2354
1,2,4-Trichlorobenzene	50	53		1	107	70-130	08/22/2011 2354
1,1,2-Trichloroethane	50	52		1	103	70-130	08/22/2011 2354
1,1,1-Trichloroethane	50	56		1	113	70-130	08/22/2011 2354
Trichloroethene	50	50		1	100	70-130	08/22/2011 2354
Vinyl chloride	50	64		1	127	70-130	08/22/2011 2354
Xylenes (total)	100	110		1	106	70-130	08/22/2011 2354

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66224-003
Batch: 66224
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	160	N	1	161	0.55	70-130	20	08/23/2011 0015
Benzene	50	53		1	105	0.24	70-130	20	08/23/2011 0015
Bromodichloromethane	50	52		1	105	0.63	70-130	20	08/23/2011 0015
Bromoform	50	48		1	96	6.9	70-130	20	08/23/2011 0015
Bromomethane (Methyl bromide)	50	61	+	1	122	22	60-140	20	08/23/2011 0015
2-Butanone (MEK)	100	110		1	112	3.7	60-140	20	08/23/2011 0015
Carbon disulfide	50	63		1	126	0.58	60-140	20	08/23/2011 0015
Carbon tetrachloride	50	53		1	106	3.8	70-130	20	08/23/2011 0015
Chlorobenzene	50	53		1	105	2.9	70-130	20	08/23/2011 0015
Chloroethane	50	62		1	125	1.3	42-163	20	08/23/2011 0015
Chloroform	50	58		1	115	0.068	70-130	20	08/23/2011 0015
Chloromethane (Methyl chloride)	50	55		1	111	0.46	70-130	20	08/23/2011 0015
Dibromochloromethane	50	52		1	104	4.6	70-130	20	08/23/2011 0015
1,3-Dichlorobenzene	50	52		1	104	4.1	70-130	20	08/23/2011 0015
1,2-Dichlorobenzene	50	53		1	106	3.7	70-130	20	08/23/2011 0015
1,4-Dichlorobenzene	50	51		1	101	4.0	70-130	20	08/23/2011 0015
1,2-Dichloroethane	50	56		1	111	0.57	70-130	20	08/23/2011 0015
1,1-Dichloroethane	50	56		1	112	2.2	70-130	20	08/23/2011 0015
trans-1,2-Dichloroethene	50	56		1	112	0.64	70-130	20	08/23/2011 0015
cis-1,2-Dichloroethene	50	56		1	112	0.74	70-130	20	08/23/2011 0015
1,1-Dichloroethene	50	56		1	112	0.68	70-130	20	08/23/2011 0015
1,2-Dichloropropane	50	56		1	111	1.0	70-130	20	08/23/2011 0015
trans-1,3-Dichloropropene	50	48		1	97	6.1	70-130	20	08/23/2011 0015
cis-1,3-Dichloropropene	50	55		1	110	5.3	70-130	20	08/23/2011 0015
Ethylbenzene	50	53		1	105	0.19	70-130	20	08/23/2011 0015
2-Hexanone	100	110		1	112	0.59	60-140	20	08/23/2011 0015
Methyl tertiary butyl ether (MTBE)	50	57		1	114	0.24	70-130	20	08/23/2011 0015
4-Methyl-2-pentanone	100	110		1	111	2.1	60-140	20	08/23/2011 0015
Methylene chloride	50	54		1	108	0.93	70-130	20	08/23/2011 0015
Styrene	50	54		1	108	1.3	70-130	20	08/23/2011 0015
1,1,2,2-Tetrachloroethane	50	55		1	109	4.4	60-140	20	08/23/2011 0015
Tetrachloroethene	50	50		1	100	1.5	70-130	20	08/23/2011 0015
Toluene	50	52		1	104	1.2	70-130	20	08/23/2011 0015
1,2,4-Trichlorobenzene	50	55		1	111	3.6	70-130	20	08/23/2011 0015
1,1,2-Trichloroethane	50	53		1	106	2.4	70-130	20	08/23/2011 0015
1,1,1-Trichloroethane	50	57		1	115	1.5	70-130	20	08/23/2011 0015
Trichloroethene	50	51		1	101	1.0	70-130	20	08/23/2011 0015
Vinyl chloride	50	64		1	129	1.3	70-130	20	08/23/2011 0015
Xylenes (total)	100	110		1	108	1.7	70-130	20	08/23/2011 0015

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66291-001
Batch: 66291
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/23/2011 1119
Benzene	ND		1	1.0	0.13	ug/L	08/23/2011 1119
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/23/2011 1119
Bromoform	ND		1	1.0	0.66	ug/L	08/23/2011 1119
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/23/2011 1119
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/23/2011 1119
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/23/2011 1119
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/23/2011 1119
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/23/2011 1119
Chloroethane	ND		1	2.0	0.47	ug/L	08/23/2011 1119
Chloroform	ND		1	1.0	0.33	ug/L	08/23/2011 1119
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/23/2011 1119
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/23/2011 1119
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/23/2011 1119
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/23/2011 1119
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/23/2011 1119
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/23/2011 1119
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/23/2011 1119
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/23/2011 1119
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/23/2011 1119
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/23/2011 1119
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/23/2011 1119
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/23/2011 1119
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/23/2011 1119
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/23/2011 1119
2-Hexanone	ND		1	10	0.27	ug/L	08/23/2011 1119
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/23/2011 1119
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/23/2011 1119
Methylene chloride	ND		1	1.0	0.33	ug/L	08/23/2011 1119
Styrene	ND		1	1.0	0.12	ug/L	08/23/2011 1119
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/23/2011 1119
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/23/2011 1119
Toluene	ND		1	1.0	0.33	ug/L	08/23/2011 1119
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/23/2011 1119
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/23/2011 1119
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/23/2011 1119
Trichloroethene	ND		1	1.0	0.18	ug/L	08/23/2011 1119
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/23/2011 1119
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/23/2011 1119

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66291-002
Batch: 66291
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	160	N	1	161	70-130	08/23/2011 0954
Benzene	50	53		1	107	70-130	08/23/2011 0954
Bromodichloromethane	50	59		1	118	70-130	08/23/2011 0954
Bromoform	50	56		1	112	70-130	08/23/2011 0954
Bromomethane (Methyl bromide)	50	49		1	98	60-140	08/23/2011 0954
2-Butanone (MEK)	100	120		1	124	60-140	08/23/2011 0954
Carbon disulfide	50	50		1	100	60-140	08/23/2011 0954
Carbon tetrachloride	50	56		1	112	70-130	08/23/2011 0954
Chlorobenzene	50	52		1	104	70-130	08/23/2011 0954
Chloroethane	50	51		1	101	42-163	08/23/2011 0954
Chloroform	50	52		1	103	70-130	08/23/2011 0954
Chloromethane (Methyl chloride)	50	56		1	112	70-130	08/23/2011 0954
Dibromochloromethane	50	50		1	100	70-130	08/23/2011 0954
1,4-Dichlorobenzene	50	52		1	103	70-130	08/23/2011 0954
1,3-Dichlorobenzene	50	54		1	107	70-130	08/23/2011 0954
1,2-Dichlorobenzene	50	53		1	106	70-130	08/23/2011 0954
1,2-Dichloroethane	50	52		1	105	70-130	08/23/2011 0954
1,1-Dichloroethane	50	53		1	106	70-130	08/23/2011 0954
1,1-Dichloroethene	50	54		1	108	70-130	08/23/2011 0954
trans-1,2-Dichloroethene	50	50		1	101	70-130	08/23/2011 0954
cis-1,2-Dichloroethene	50	52		1	104	70-130	08/23/2011 0954
1,2-Dichloropropane	50	53		1	106	70-130	08/23/2011 0954
cis-1,3-Dichloropropene	50	53		1	105	70-130	08/23/2011 0954
trans-1,3-Dichloropropene	50	52		1	104	70-130	08/23/2011 0954
Ethylbenzene	50	55		1	111	70-130	08/23/2011 0954
2-Hexanone	100	130		1	128	60-140	08/23/2011 0954
Methyl tertiary butyl ether (MTBE)	50	55		1	110	70-130	08/23/2011 0954
4-Methyl-2-pentanone	100	130		1	128	60-140	08/23/2011 0954
Methylene chloride	50	49		1	99	70-130	08/23/2011 0954
Styrene	50	55		1	109	70-130	08/23/2011 0954
1,1,2,2-Tetrachloroethane	50	58		1	116	60-140	08/23/2011 0954
Tetrachloroethene	50	53		1	107	70-130	08/23/2011 0954
Toluene	50	54		1	108	70-130	08/23/2011 0954
1,2,4-Trichlorobenzene	50	55		1	110	70-130	08/23/2011 0954
1,1,1-Trichloroethane	50	52		1	105	70-130	08/23/2011 0954
1,1,2-Trichloroethane	50	54		1	107	70-130	08/23/2011 0954
Trichloroethene	50	54		1	107	70-130	08/23/2011 0954
Vinyl chloride	50	55		1	110	70-130	08/23/2011 0954
Xylenes (total)	100	110		1	114	70-130	08/23/2011 0954

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66291-003
Batch: 66291
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	160	N	1	155	3.6	70-130	20	08/23/2011 1015
Benzene	50	52		1	103	2.9	70-130	20	08/23/2011 1015
Bromodichloromethane	50	58		1	116	2.0	70-130	20	08/23/2011 1015
Bromoform	50	55		1	111	1.1	70-130	20	08/23/2011 1015
Bromomethane (Methyl bromide)	50	48		1	96	2.1	60-140	20	08/23/2011 1015
2-Butanone (MEK)	100	120		1	119	3.8	60-140	20	08/23/2011 1015
Carbon disulfide	50	48		1	96	4.2	60-140	20	08/23/2011 1015
Carbon tetrachloride	50	54		1	108	3.6	70-130	20	08/23/2011 1015
Chlorobenzene	50	52		1	104	0.79	70-130	20	08/23/2011 1015
Chloroethane	50	49		1	98	2.9	42-163	20	08/23/2011 1015
Chloroform	50	51		1	101	2.3	70-130	20	08/23/2011 1015
Chloromethane (Methyl chloride)	50	52		1	103	8.6	70-130	20	08/23/2011 1015
Dibromochloromethane	50	50		1	99	0.86	70-130	20	08/23/2011 1015
1,4-Dichlorobenzene	50	51		1	101	2.2	70-130	20	08/23/2011 1015
1,3-Dichlorobenzene	50	52		1	104	2.9	70-130	20	08/23/2011 1015
1,2-Dichlorobenzene	50	52		1	104	2.4	70-130	20	08/23/2011 1015
1,2-Dichloroethane	50	52		1	104	1.1	70-130	20	08/23/2011 1015
1,1-Dichloroethane	50	52		1	104	1.4	70-130	20	08/23/2011 1015
1,1-Dichloroethene	50	52		1	104	3.3	70-130	20	08/23/2011 1015
trans-1,2-Dichloroethene	50	50		1	99	1.6	70-130	20	08/23/2011 1015
cis-1,2-Dichloroethene	50	51		1	102	1.8	70-130	20	08/23/2011 1015
1,2-Dichloropropane	50	52		1	105	1.4	70-130	20	08/23/2011 1015
cis-1,3-Dichloropropene	50	51		1	103	2.7	70-130	20	08/23/2011 1015
trans-1,3-Dichloropropene	50	51		1	103	0.84	70-130	20	08/23/2011 1015
Ethylbenzene	50	54		1	109	2.1	70-130	20	08/23/2011 1015
2-Hexanone	100	120		1	124	3.6	60-140	20	08/23/2011 1015
Methyl tertiary butyl ether (MTBE)	50	55		1	109	0.95	70-130	20	08/23/2011 1015
4-Methyl-2-pentanone	100	120		1	124	3.5	60-140	20	08/23/2011 1015
Methylene chloride	50	49		1	97	1.5	70-130	20	08/23/2011 1015
Styrene	50	53		1	107	2.0	70-130	20	08/23/2011 1015
1,1,2,2-Tetrachloroethane	50	57		1	113	2.9	60-140	20	08/23/2011 1015
Tetrachloroethene	50	52		1	103	3.1	70-130	20	08/23/2011 1015
Toluene	50	52		1	104	3.0	70-130	20	08/23/2011 1015
1,2,4-Trichlorobenzene	50	53		1	107	2.6	70-130	20	08/23/2011 1015
1,1,1-Trichloroethane	50	51		1	102	2.8	70-130	20	08/23/2011 1015
1,1,2-Trichloroethane	50	53		1	106	0.97	70-130	20	08/23/2011 1015
Trichloroethene	50	52		1	104	3.2	70-130	20	08/23/2011 1015
Vinyl chloride	50	50		1	100	9.6	70-130	20	08/23/2011 1015
Xylenes (total)	100	110		1	111	2.4	70-130	20	08/23/2011 1015

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66394-001
Batch: 66394
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/24/2011 1507

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66394-002
Batch: 66394
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	114	70-130	08/24/2011 1343

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66394-003
Batch: 66394
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	124	8.3	70-130	20	08/24/2011 1404

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66410-001
Batch: 66410
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/24/2011 1131
Benzene	ND		1	5.0	1.1	ug/kg	08/24/2011 1131
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
Bromoform	ND		1	5.0	0.70	ug/kg	08/24/2011 1131
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/24/2011 1131
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/24/2011 1131
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/24/2011 1131
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/24/2011 1131
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
Chloroethane	ND		1	5.0	1.3	ug/kg	08/24/2011 1131
Chloroform	ND		1	5.0	0.83	ug/kg	08/24/2011 1131
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/24/2011 1131
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/24/2011 1131
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/24/2011 1131
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/24/2011 1131
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/24/2011 1131
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/24/2011 1131
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/24/2011 1131
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/24/2011 1131
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/24/2011 1131
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/24/2011 1131
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/24/2011 1131
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/24/2011 1131
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
2-Hexanone	ND		1	10	1.3	ug/kg	08/24/2011 1131
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/24/2011 1131
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/24/2011 1131
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/24/2011 1131
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/24/2011 1131
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/24/2011 1131
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/24/2011 1131
Styrene	ND		1	5.0	1.1	ug/kg	08/24/2011 1131
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/24/2011 1131
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/24/2011 1131
Toluene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/24/2011 1131
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/24/2011 1131
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/24/2011 1131
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/24/2011 1131

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66410-001
Batch: 66410
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/24/2011 1131
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/24/2011 1131
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/24/2011 1131
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/24/2011 1131

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		96	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66410-002
Batch: 66410
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	114	42-149	08/24/2011 0940
Benzene	50	46		1	93	69-123	08/24/2011 0940
Bromodichloromethane	50	48		1	95	69-121	08/24/2011 0940
Bromoform	50	46		1	91	61-119	08/24/2011 0940
Bromomethane (Methyl bromide)	50	48		1	96	35-144	08/24/2011 0940
2-Butanone (MEK)	100	94		1	94	57-148	08/24/2011 0940
Carbon disulfide	50	42		1	83	58-122	08/24/2011 0940
Carbon tetrachloride	50	46		1	93	58-136	08/24/2011 0940
Chlorobenzene	50	46		1	91	59-129	08/24/2011 0940
Chloroethane	50	51		1	101	42-163	08/24/2011 0940
Chloroform	50	45		1	89	71-125	08/24/2011 0940
Chloromethane (Methyl chloride)	50	39		1	77	34-134	08/24/2011 0940
Cyclohexane	50	46		1	92	53-139	08/24/2011 0940
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	89	55-125	08/24/2011 0940
Dibromochloromethane	50	46		1	92	66-119	08/24/2011 0940
1,2-Dibromoethane (EDB)	50	47		1	94	74-124	08/24/2011 0940
1,3-Dichlorobenzene	50	45		1	91	51-134	08/24/2011 0940
1,4-Dichlorobenzene	50	47		1	93	52-133	08/24/2011 0940
1,2-Dichlorobenzene	50	47		1	93	57-131	08/24/2011 0940
Dichlorodifluoromethane	50	44		1	87	10-157	08/24/2011 0940
1,1-Dichloroethane	50	46		1	91	71-127	08/24/2011 0940
1,2-Dichloroethane	50	46		1	92	67-129	08/24/2011 0940
cis-1,2-Dichloroethene	50	45		1	90	70-122	08/24/2011 0940
trans-1,2-Dichloroethene	50	45		1	90	68-131	08/24/2011 0940
1,1-Dichloroethene	50	47		1	95	69-138	08/24/2011 0940
1,2-Dichloropropane	50	48		1	96	72-124	08/24/2011 0940
cis-1,3-Dichloropropene	50	48		1	97	70-126	08/24/2011 0940
trans-1,3-Dichloropropene	50	47		1	93	70-124	08/24/2011 0940
Ethylbenzene	50	47		1	95	59-128	08/24/2011 0940
2-Hexanone	100	98		1	98	54-137	08/24/2011 0940
Isopropylbenzene	50	46		1	91	50-136	08/24/2011 0940
Methyl acetate	50	64		1	127	59-137	08/24/2011 0940
Methyl tertiary butyl ether (MTBE)	50	48		1	97	72-122	08/24/2011 0940
4-Methyl-2-pentanone	100	100		1	105	60-134	08/24/2011 0940
Methylcyclohexane	50	50		1	99	41-144	08/24/2011 0940
Methylene chloride	50	47		1	94	77-129	08/24/2011 0940
Styrene	50	49		1	99	54-136	08/24/2011 0940
1,1,2,2-Tetrachloroethane	50	48		1	96	69-132	08/24/2011 0940
Tetrachloroethene	50	45		1	90	45-150	08/24/2011 0940
Toluene	50	47		1	95	61-129	08/24/2011 0940
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	89	49-136	08/24/2011 0940
1,2,4-Trichlorobenzene	50	50		1	100	34-145	08/24/2011 0940
1,1,2-Trichloroethane	50	45		1	90	55-128	08/24/2011 0940
1,1,1-Trichloroethane	50	46		1	92	63-128	08/24/2011 0940

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66410-002
Batch: 66410
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	93	62-126	08/24/2011 0940
Trichlorofluoromethane	50	48		1	97	45-138	08/24/2011 0940
Vinyl chloride	50	49		1	98	42-132	08/24/2011 0940
Xylenes (total)	100	96		1	96	58-128	08/24/2011 0940

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66410-003
Batch: 66410
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	130		1	132	15	42-149	20	08/24/2011 1002
Benzene	50	45		1	89	4.0	69-123	20	08/24/2011 1002
Bromodichloromethane	50	46		1	93	2.5	69-121	20	08/24/2011 1002
Bromoform	50	45		1	91	0.41	61-119	20	08/24/2011 1002
Bromomethane (Methyl bromide)	50	42		1	83	14	35-144	20	08/24/2011 1002
2-Butanone (MEK)	100	99		1	99	4.4	57-148	20	08/24/2011 1002
Carbon disulfide	50	36		1	72	14	58-122	20	08/24/2011 1002
Carbon tetrachloride	50	41		1	82	12	58-136	20	08/24/2011 1002
Chlorobenzene	50	44		1	89	2.8	59-129	20	08/24/2011 1002
Chloroethane	50	42		1	85	18	42-163	20	08/24/2011 1002
Chloroform	50	43		1	86	4.4	71-125	20	08/24/2011 1002
Chloromethane (Methyl chloride)	50	44		1	88	12	34-134	20	08/24/2011 1002
Cyclohexane	50	41		1	81	13	53-139	20	08/24/2011 1002
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	3.4	55-125	20	08/24/2011 1002
Dibromochloromethane	50	46		1	92	0.38	66-119	20	08/24/2011 1002
1,2-Dibromoethane (EDB)	50	47		1	94	0.91	74-124	20	08/24/2011 1002
1,3-Dichlorobenzene	50	44		1	88	3.0	51-134	20	08/24/2011 1002
1,4-Dichlorobenzene	50	45		1	90	3.3	52-133	20	08/24/2011 1002
1,2-Dichlorobenzene	50	45		1	90	3.6	57-131	20	08/24/2011 1002
Dichlorodifluoromethane	50	37		1	74	17	10-157	20	08/24/2011 1002
1,1-Dichloroethane	50	43		1	87	5.0	71-127	20	08/24/2011 1002
1,2-Dichloroethane	50	45		1	89	3.3	67-129	20	08/24/2011 1002
cis-1,2-Dichloroethene	50	43		1	86	4.3	70-122	20	08/24/2011 1002
trans-1,2-Dichloroethene	50	42		1	85	6.6	68-131	20	08/24/2011 1002
1,1-Dichloroethene	50	42		1	84	12	69-138	20	08/24/2011 1002
1,2-Dichloropropane	50	46		1	92	4.0	72-124	20	08/24/2011 1002
cis-1,3-Dichloropropene	50	48		1	96	0.82	70-126	20	08/24/2011 1002
trans-1,3-Dichloropropene	50	48		1	96	2.5	70-124	20	08/24/2011 1002
Ethylbenzene	50	45		1	90	4.9	59-128	20	08/24/2011 1002
2-Hexanone	100	100		1	103	5.4	54-137	20	08/24/2011 1002
Isopropylbenzene	50	44		1	88	3.7	50-136	20	08/24/2011 1002
Methyl acetate	50	63		1	126	0.49	59-137	20	08/24/2011 1002
Methyl tertiary butyl ether (MTBE)	50	44		1	88	9.5	72-122	20	08/24/2011 1002
4-Methyl-2-pentanone	100	100		1	105	0.40	60-134	20	08/24/2011 1002
Methylcyclohexane	50	46		1	92	8.0	41-144	20	08/24/2011 1002
Methylene chloride	50	43		1	86	9.2	77-129	20	08/24/2011 1002
Styrene	50	48		1	95	3.9	54-136	20	08/24/2011 1002
1,1,2,2-Tetrachloroethane	50	48		1	97	0.55	69-132	20	08/24/2011 1002
Tetrachloroethene	50	44		1	88	1.9	45-150	20	08/24/2011 1002
Toluene	50	45		1	90	4.9	61-129	20	08/24/2011 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	38		1	76	16	49-136	20	08/24/2011 1002
1,2,4-Trichlorobenzene	50	46		1	92	9.1	34-145	20	08/24/2011 1002
1,1,2-Trichloroethane	50	46		1	92	2.0	55-128	20	08/24/2011 1002
1,1,1-Trichloroethane	50	41		1	82	11	63-128	20	08/24/2011 1002

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66410-003
Batch: 66410
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	45		1	89	4.7	62-126	20	08/24/2011 1002
Trichlorofluoromethane	50	42		1	84	14	45-138	20	08/24/2011 1002
Vinyl chloride	50	45		1	89	9.6	42-132	20	08/24/2011 1002
Xylenes (total)	100	90		1	90	5.7	58-128	20	08/24/2011 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66540-001
Batch: 66540
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/26/2011 1019

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66540-002
Batch: 66540
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	122	70-130	08/26/2011 0915

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

MH180/6

ARCADIS
Infrastructure, environment, buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: SCOTT, BOSTIAN	Telephone: 919.854.1282
Address: 801 CORPORATE CENTER DR. #300	Fax:
City: RALEIGH State: NC Zip: 27607	E-mail Address: SCOTT.BOSTIAN@ARCADIS-US.COM
Project Name/Location (City, State): HAA-15	Project #: GP08HAFS.HIS5.GG0F1
Sampler's Printed Name: JOHN HANNA	Sampler's Signature: John V. Hanna

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	VOC SOIL	% MOISTURE						REMARKS
						F/G	E										
						—	—										
						4	1										
						1	6										
HIS-MW-02E(72-74')	8.17.11	1515		✓	SO					✓	✓						
TRIP BLANK(081711)																	
HIS-MW-02E(77-79')	8.17.11	1600		✓	SO					✓	✓						
HIS-MW-02E(82-84')	8.17.11	1700		✓	SO					✓	✓						
HIS-MW-02E(87-89')	8.17.11	1735		✓	SO					✓	✓						

PARAMETER ANALYSIS & METHOD

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: DI H2O
G. Other: METHANOL
H. Other:

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other:
10. Other:

Matrix Key:
SO - Soil
W - Water
T - Tissue
SE - Sediment
SL - Sludge
A - Air
NL - NAPL/Oil
SW - Sample Wipe
Other:

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

T= 1.3

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: SHEALY ENV. SERVICES	Cooler Custody Seal (✓)	Printed Name: JOHN HANNA	Printed Name:	Printed Name: Colvin	Printed Name: Eleanor Cuarasma
☐ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: John V. Hanna	Signature:	Signature: FEDEX	Signature:
Specify Turnaround Requirements:	Sample Receipt:	Firm: ARCADIS	Firm/Courier: FEDEX	Firm/Courier:	Firm: Shealy Env
Shipping Tracking #:	Condition/Cooler Temp:	Date/Time: 8.17.2011 1900	Date/Time:	Date/Time: 8.18.11 0905	Date/Time: 8/18/11 0905

25730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: GLC 8/18/11 Lot #: MH180 16

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☐	No ☐		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 1 3 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☐ Against Bottles
Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☑	No ☑		15. Were there any excess samples not listed on COC? Trip Blank
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐
SESI employee:_____ Date of response:_____
Comments:_____

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 03962

Client	Report to Contact	Sampler (Printed Name)	Quote No.
ARCADIS	SCOTT.BOSTIAN@ARCADIS-US.COM	JOHN HANNA	
Address: 801 CORPORATE CENTER DRIVE #300	Telephone No. / Fax No. / Email	Waybill No.	Page 1 of 1
City: RALEIGH State: NC Zip Code: 27607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: HAA-15			
Project Number: GROBHAFS.HIS.GGØF1	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC SOIL	% MOISTURE	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
									4	1				MH18016	
									A	L					
									*	11					
HIS-MW-02E (92-94)	8.17.11	1815					✓		✓	✓					*METHANOL/DI WATER
HIS-MW-02E (97-99)	8.18.11	0945					✓		✓	✓					
HIS-MW-02E (102-104)	8.18.11	1045					✓		✓	✓					
HIS-MW-02E (107-109)	8.18.11	1120					✓		✓	✓					
HIS-MW-02E (112-114)	8.18.11	1230					✓		✓	✓					
HIS-MW-02E (116-118)	8.18.11	1515					✓		✓	✓					
TRIP BLANK (081811)															
TEMP. BLANK															

Turn Around Time Required (Prior lab approval required for expedited TAT): ☒ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: JOHN HANNA	8.18.2011		1. Received by: FEDEX	8.18.2011	
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FedEx	8/19/11	0905	4. Laboratory Received by		

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack
Receipt Temp. 3.9 °C
Temp. Blank ☒ Y / ☐ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: WSL / 8/8/11 Lot #: MH1801U

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other			
Yes ☒	No ☐		1. Were custody seals present on the cooler?
Yes ☒	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 3.9 °C / °C / °C / °C / °C / °C / °C / °C			
Method: ☒ Temperature Blank ☒ Against Bottles Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☒	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☒	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☒	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☒	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☒	NA ☐	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) All Sample -007 were received with bubbles >6 mm in diameter.

Sample(s)_____were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee:_____ Date of response:_____

Comments:_____

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name HAA-15
Project Location Hunter Army Airfield
Laboratory Shealy Environmental
Project Manager Scott Bostian
Sampler(s)/Affiliation Jared Fino

m 11/8/16

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: VOCs						Remarks	Total
H15-MW-17B	L	8/17/11 1720		3							3
H15-MW-18B	L	8/18/11 0925		3							3
H15-MW-19B	L	8/18/11 1146		3							3
H15-MW-09C	L	8/18/11 1551		3							3
H15-MW-11C	L	8/18/11 1804		3							3
H15-MW-15B	L	8/19/11 0943		3							3
H15-MW-15C	L	8/19/11 1049		3							3
~~H15-MW-12C~~	~~L~~	~~8/18/11~~		~~3~~		JMF 8/15/11					~~3~~
										Temp 4.5	
										Total No. of Bottles/ Containers	21

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: [signature]	Organization: ARCADIS	Date 8/19/2011	Time 1300	Seal Intact?
Received by: JOHN HANNA	Organization: ARCADIS	Date 08/19/11	Time 1320	(Yes) No N/A
Relinquished by: JOHN HANNA	Organization: ARCADIS	Date 08/19/11	Time 1400	Seal Intact?
Received by: FEDEX	Organization: COMMON CARRIER	Date 08/19/11	Time 1402	(Yes) No N/A

Special Instructions/Remarks: Fedex 8/20/11 0825 [signature] 8/20/11 0825

* PLEASE COPY ANALYSIS OF TRIP BLANK FROM HAA-15 IDW TO HAA-15; TRIP BLANK ID IS "TRIP BLANK (081911)" THANKS

Delivery Method: ☐ In Person ☒ Common Carrier Fed EX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12401

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: WHC 4/20/11 Lot #: M4154016

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other			
Yes ☒	No ☐		1. Were custody seals present on the cooler?
Yes ☒	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 4.5 °C / °C / °C / °C / °C / °C / °C / °C Method: ☒ Temperature Blank ☒ Against Bottles Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☒	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☒	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☐	No ☒		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☐	No ☒	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☒	20. Were collection temperatures documented on the COC for NC samples?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.			
Sample(s)_____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.			

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee:_____ Date of response:_____

Comments:_____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GGOFI

Lot Number: MH25003

Date Completed: 08/29/2011



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH25003

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH25003

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The LCS/LCSD recovery for Acetone exceeded method control limits in batch 66677; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results (-003 H15-MW-08C) were non-detect, therefore the results were reported and no corrective action was required.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MH25003

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-02E(123-125)	Solid	08/23/2011 1900	08/25/2011
002	Trip Blank (082411)	Aqueous	08/23/2011	08/25/2011
003	H15-MW-08C	Aqueous	08/24/2011 1208	08/25/2011

(3 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH25003

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-02E(123-125)	Solid	Acetone	8260B	49		ug/kg	5
001	H15-MW-02E(123-125)	Solid	Carbon disulfide	8260B	94		ug/kg	5

(2 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH25003-001
Description: H15-MW-02E(123-125)
Matrix: Solid
Date Sampled: 08/23/2011 1900
% Solids: 52.1 08/25/2011 1915
Date Received: 08/25/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/26/2011 1452	SAS		66586	4.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	49		45	15	ug/kg	1
Benzene	71-43-2	8260B	ND		11	2.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		11	3.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		11	1.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		11	4.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		22	5.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	94		11	2.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		11	4.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		11	3.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		11	2.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		11	1.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		11	2.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		11	1.5	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		11	3.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		11	3.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		11	1.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		11	3.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		11	3.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		11	3.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		11	3.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		11	1.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		11	2.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		11	3.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		11	1.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		11	3.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		11	2.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		11	1.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		11	1.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		11	3.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		22	2.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		11	0.52	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		11	2.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		11	0.90	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		22	3.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		11	0.92	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		11	5.8	ug/kg	1
Styrene	100-42-5	8260B	ND		11	2.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		11	1.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		11	1.1	ug/kg	1
Toluene	108-88-3	8260B	ND		11	3.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		11	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		11	3.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		11	1.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		11	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH25003-001
Description: H15-MW-02E(123-125)
Matrix: Solid
Date Sampled: 08/23/2011 1900
% Solids: 52.1 08/25/2011 1915
Date Received: 08/25/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/26/2011 1452	SAS		66586	4.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		11	4.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		11	3.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		11	1.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		11	6.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH25003-003
Description: H15-MW-08C
Matrix: Aqueous
Date Sampled: 08/24/2011 1208
Date Received: 08/25/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/29/2011 1553	BM		66677

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.66	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	3.3	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.49	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.69	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		10	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		10	2.4	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	1.8	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.74	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.64	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.61	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.79	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.95	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.53	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.46	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	1.4	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.6	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.61	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.82	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.66	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	2.6	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	1.1	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.37	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.90	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		5.0	0.27	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH25003-003
Description: H15-MW-08C
Matrix: Aqueous
Date Sampled: 08/24/2011 1208
Date Received: 08/25/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66586-001
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/26/2011 1047
Benzene	ND		1	5.0	1.1	ug/kg	08/26/2011 1047
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Bromoform	ND		1	5.0	0.70	ug/kg	08/26/2011 1047
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/26/2011 1047
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/26/2011 1047
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/26/2011 1047
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/26/2011 1047
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Chloroethane	ND		1	5.0	1.3	ug/kg	08/26/2011 1047
Chloroform	ND		1	5.0	0.83	ug/kg	08/26/2011 1047
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/26/2011 1047
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/26/2011 1047
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/26/2011 1047
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/26/2011 1047
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/26/2011 1047
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/26/2011 1047
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/26/2011 1047
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/26/2011 1047
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/26/2011 1047
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/26/2011 1047
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
2-Hexanone	1.5	J	1	10	1.3	ug/kg	08/26/2011 1047
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/26/2011 1047
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/26/2011 1047
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/26/2011 1047
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	08/26/2011 1047
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/26/2011 1047
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/26/2011 1047
Styrene	ND		1	5.0	1.1	ug/kg	08/26/2011 1047
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/26/2011 1047
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/26/2011 1047
Toluene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/26/2011 1047
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/26/2011 1047
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/26/2011 1047
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/26/2011 1047

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66586-001
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/26/2011 1047
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/26/2011 1047
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/26/2011 1047
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/26/2011 1047

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66586-002
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	142	42-149	08/26/2011 0918
Benzene	50	48		1	96	69-123	08/26/2011 0918
Bromodichloromethane	50	50		1	99	69-121	08/26/2011 0918
Bromoform	50	47		1	93	61-119	08/26/2011 0918
Bromomethane (Methyl bromide)	50	53		1	105	35-144	08/26/2011 0918
2-Butanone (MEK)	100	100		1	100	57-148	08/26/2011 0918
Carbon disulfide	50	41		1	82	58-122	08/26/2011 0918
Carbon tetrachloride	50	48		1	97	58-136	08/26/2011 0918
Chlorobenzene	50	46		1	91	59-129	08/26/2011 0918
Chloroethane	50	54		1	108	42-163	08/26/2011 0918
Chloroform	50	46		1	92	71-125	08/26/2011 0918
Chloromethane (Methyl chloride)	50	53		1	106	34-134	08/26/2011 0918
Cyclohexane	50	49		1	98	53-139	08/26/2011 0918
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	91	55-125	08/26/2011 0918
Dibromochloromethane	50	47		1	94	66-119	08/26/2011 0918
1,2-Dibromoethane (EDB)	50	48		1	96	74-124	08/26/2011 0918
1,3-Dichlorobenzene	50	46		1	91	51-134	08/26/2011 0918
1,4-Dichlorobenzene	50	46		1	92	52-133	08/26/2011 0918
1,2-Dichlorobenzene	50	46		1	93	57-131	08/26/2011 0918
Dichlorodifluoromethane	50	49		1	98	10-157	08/26/2011 0918
1,1-Dichloroethane	50	47		1	95	71-127	08/26/2011 0918
1,2-Dichloroethane	50	48		1	96	67-129	08/26/2011 0918
cis-1,2-Dichloroethene	50	46		1	92	70-122	08/26/2011 0918
trans-1,2-Dichloroethene	50	47		1	93	68-131	08/26/2011 0918
1,1-Dichloroethene	50	50		1	101	69-138	08/26/2011 0918
1,2-Dichloropropane	50	50		1	99	72-124	08/26/2011 0918
cis-1,3-Dichloropropene	50	50		1	101	70-126	08/26/2011 0918
trans-1,3-Dichloropropene	50	47		1	95	70-124	08/26/2011 0918
Ethylbenzene	50	48		1	95	59-128	08/26/2011 0918
2-Hexanone	100	100		1	103	54-137	08/26/2011 0918
Isopropylbenzene	50	46		1	91	50-136	08/26/2011 0918
Methyl acetate	50	66		1	131	59-137	08/26/2011 0918
Methyl tertiary butyl ether (MTBE)	50	51		1	102	72-122	08/26/2011 0918
4-Methyl-2-pentanone	100	110		1	115	60-134	08/26/2011 0918
Methylcyclohexane	50	52		1	104	41-144	08/26/2011 0918
Methylene chloride	50	49		1	98	77-129	08/26/2011 0918
Styrene	50	50		1	100	54-136	08/26/2011 0918
1,1,2,2-Tetrachloroethane	50	49		1	98	69-132	08/26/2011 0918
Tetrachloroethene	50	46		1	91	45-150	08/26/2011 0918
Toluene	50	49		1	98	61-129	08/26/2011 0918
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	99	49-136	08/26/2011 0918
1,2,4-Trichlorobenzene	50	48		1	97	34-145	08/26/2011 0918
1,1,2-Trichloroethane	50	47		1	93	55-128	08/26/2011 0918
1,1,1-Trichloroethane	50	48		1	97	63-128	08/26/2011 0918

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66586-002
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	95	62-126	08/26/2011 0918
Trichlorofluoromethane	50	52		1	103	45-138	08/26/2011 0918
Vinyl chloride	50	56		1	112	42-132	08/26/2011 0918
Xylenes (total)	100	96		1	96	58-128	08/26/2011 0918

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66677-001
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/29/2011 0926
Benzene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Bromoform	ND		1	1.0	0.66	ug/L	08/29/2011 0926
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/29/2011 0926
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/29/2011 0926
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/29/2011 0926
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/29/2011 0926
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/29/2011 0926
Chloroethane	ND		1	2.0	0.47	ug/L	08/29/2011 0926
Chloroform	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/29/2011 0926
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/29/2011 0926
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/29/2011 0926
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/29/2011 0926
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/29/2011 0926
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/29/2011 0926
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/29/2011 0926
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
2-Hexanone	ND		1	10	0.27	ug/L	08/29/2011 0926
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/29/2011 0926
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/29/2011 0926
Methylene chloride	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Styrene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/29/2011 0926
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Toluene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/29/2011 0926
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/29/2011 0926
Trichloroethene	ND		1	1.0	0.18	ug/L	08/29/2011 0926
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/29/2011 0926
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/29/2011 0926

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66677-002
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	170	N	1	167	70-130	08/29/2011 0802
Benzene	50	49		1	97	70-130	08/29/2011 0802
Bromodichloromethane	50	55		1	110	70-130	08/29/2011 0802
Bromoform	50	52		1	104	70-130	08/29/2011 0802
Bromomethane (Methyl bromide)	50	36		1	72	60-140	08/29/2011 0802
2-Butanone (MEK)	100	110		1	114	60-140	08/29/2011 0802
Carbon disulfide	50	46		1	92	60-140	08/29/2011 0802
Carbon tetrachloride	50	51		1	102	70-130	08/29/2011 0802
Chlorobenzene	50	48		1	96	70-130	08/29/2011 0802
Chloroethane	50	48		1	96	42-163	08/29/2011 0802
Chloroform	50	49		1	99	70-130	08/29/2011 0802
Chloromethane (Methyl chloride)	50	53		1	107	70-130	08/29/2011 0802
Dibromochloromethane	50	46		1	93	70-130	08/29/2011 0802
1,2-Dichlorobenzene	50	48		1	97	70-130	08/29/2011 0802
1,3-Dichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,4-Dichlorobenzene	50	47		1	94	70-130	08/29/2011 0802
1,1-Dichloroethane	50	51		1	102	70-130	08/29/2011 0802
1,2-Dichloroethane	50	49		1	98	70-130	08/29/2011 0802
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/29/2011 0802
1,1-Dichloroethene	50	50		1	101	70-130	08/29/2011 0802
cis-1,2-Dichloroethene	50	49		1	99	70-130	08/29/2011 0802
1,2-Dichloropropane	50	50		1	100	70-130	08/29/2011 0802
cis-1,3-Dichloropropene	50	47		1	94	70-130	08/29/2011 0802
trans-1,3-Dichloropropene	50	45		1	91	70-130	08/29/2011 0802
Ethylbenzene	50	50		1	100	70-130	08/29/2011 0802
2-Hexanone	100	110		1	115	60-140	08/29/2011 0802
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	08/29/2011 0802
4-Methyl-2-pentanone	100	120		1	120	60-140	08/29/2011 0802
Methylene chloride	50	47		1	94	70-130	08/29/2011 0802
Styrene	50	49		1	98	70-130	08/29/2011 0802
1,1,2,2-Tetrachloroethane	50	52		1	105	60-140	08/29/2011 0802
Tetrachloroethene	50	48		1	95	70-130	08/29/2011 0802
Toluene	50	50		1	99	70-130	08/29/2011 0802
1,2,4-Trichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,1,2-Trichloroethane	50	49		1	97	70-130	08/29/2011 0802
1,1,1-Trichloroethane	50	49		1	98	70-130	08/29/2011 0802
Trichloroethene	50	49		1	98	70-130	08/29/2011 0802
Vinyl chloride	50	53		1	107	70-130	08/29/2011 0802
Xylenes (total)	100	100		1	102	70-130	08/29/2011 0802

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: HAA-15

Project Location: Hunter Army Airfield

Laboratory: Shealy Environmental

Project Manager: Scott Bostian

Sampler(s)/Affiliation: Jared Fink

MH25603

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: VOCs						Remarks	Total
H15-MW-08C	L	8/24/11		3						Please use Trip Blank Analysis from CoC #03813 Trip Blank (082411)	3

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 3

Relinquished by:		Organization: ARCADIS	Date 8/24/11	Time 1700	Seal Intact?	
Received by:		Organization:	Date / /	Time	(Yes) No N/A	
Relinquished by:		Organization: FEDEX	Date 8/25/11	Time 0900	Seal Intact?	
Received by:		Organization: Shealy Env Svcs	Date 8/25/11	Time 0900	Yes No N/A	

Special Instructions/Remarks: T= 2.6°

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12A01

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 03813

Client	Report to Contact	Sampler (Printed Name)	Quote No.
ARCADIS	SCOTT BOSTIAN	JOHN HANNA	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
801 CORPORATE CENTER DRIVE #300	SCOTT.BOSTIAN@ARCADIS-US.COM		1 of 1
City / State / Zip Code	**Preservative**		Number of Containers
RALEIGH / NC / 27607	1. Unpres. 4. HNO3 7. NaOH		Bottle (See Instructions on back)
Project Name	2. NaOH/ZnA 5. HCL		Preservative
HAA-15	3. H2SO4 6. Na Thio.		Lot No. MH25003

Project Number	P.O Number	Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs (SOL)	% MOISTURE	Remarks / Cooler ID
GP08HAFS-H15-GGOF1		H15-MW-20E (123125)	8.23.11	1900					✓		✓	✓	PLEASE COPY ANALYSIS OF TRIP BLANK (082411) TO COC from Jared Fino
		TRIP BLANK (082411)	—	—									

Turn Around Time Required (Prior lab approval required for expedited TAT)	Sample Disposal	QC Requirements (Specify)	Possible Hazard Identification
X Standard ☐ Rush (Please Specify)	☐ Return to Client X Disposal by Lab		X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: JOHN HANNA	8.24.11 ~~8.23 JH~~	1700	1. Received by: FEDEX	8.24.2011	
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FEDEX	8.25.11	0900	4. Laboratory Received by	8/25/11	0900

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.6 °C — Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: EC 8/25/11 Lot #: MH250

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 2.1C °C / °C / °C / °C / °C / °C / °C / °C			
Method: ☐ Temperature Blank ☑ Against Bottles Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed? no time fr
Yes ☑	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier? (1) CoC
Yes ☐	No ☐		6. Were sample IDs listed?
Yes ☐	No ☑		7. Was collection date & time listed? taken fr. vial labels for -003
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☒	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☑	No ☐		14. Were any samples containers missing? Trip Blank (082411)
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☐	No ☒	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☐	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

This portion can be removed for recipient's records.

8/24/11 FedEx Tracking Number 871497703810

Sender's Name x Jared Fino Phone 919 854-1282

Company ARCADIS G & M OF NC INC

Address 801 CORPORATE CENTER DR Dept/Floor/Suite/Room

RALEIGH State NC ZIP 27607-5243

Your Internal Billing Reference GRBHAC HISC.GGOT I

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee:_____

Comments:_____

Nisreen Saikaly

From: Frizzell, Joshua [Joshua.Frizzell@arcadis-us.com]
Sent: Thursday, August 25, 2011 10:36 AM
To: Nisreen Saikaly
Subject: ARCADIS sample ID correction

M H36003

Hi Nisreen,

As we discussed, please change HAA-15 soil sample ID H15-MW-20E should read H15-MW-02E.

The correct H15-MW-20E might be shipped next week but the one you received today should be H15-MW-02E.

Thanks!

Joshua Frizzell, L.G. | Geologist | joshua.frizzell@arcadis-us.com
ARCADIS U.S., Inc. 801 Corporate Center Drive, Suite 300 | Raleigh, NC 27607
T. 919.854.1282 | M. 770.713.7236 | F. 919.854.5448
www.arcadis-us.com
ARCADIS, Imagine the result
Please consider the environment before printing this email.

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Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GGOFI

Lot Number: MH24010

Date Completed: Preliminary

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH24010

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH24010

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The LCS/LCSD recovery for Chloromethane (Methyl chloride) and the the LCS recovery of Vinyl chloride exceeded method control limits in batch 66505; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

The MS/MSD recoveries in batch 66505 were outside acceptance criteria. All other QA/QC criteria for the batch were within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MH24010

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-02E(119-121)	Solid	08/23/2011 1730	08/24/2011
002	Trip Blank	Aqueous	08/23/2011 1730	08/24/2011
003	H15-MW-12C	Aqueous	08/23/2011 1731	08/24/2011

(3 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH24010

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-02E(119-121)	Solid	Carbon disulfide	8260B	29		ug/kg	5
003	H15-MW-12C	Aqueous	cis-1,2-Dichloroethene	8260B	0.49	J	ug/L	9
003	H15-MW-12C	Aqueous	Xylenes (total)	8260B	0.49	J	ug/L	9

(3 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH24010-001
Description: H15-MW-02E(119-121)
Matrix: Solid
Date Sampled: 08/23/2011 1730
% Solids: 60.4 08/24/2011 1941
Date Received: 08/24/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/26/2011 1156	SAS		66586	4.22
2	5035	8260B	1	08/29/2011 1940	SAS		66671	4.79

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		35	12	ug/kg	2
Benzene	71-43-2	8260B	ND		8.6	1.9	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		8.6	2.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		8.6	1.2	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.6	3.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.1	ug/kg	2
Carbon disulfide	75-15-0	8260B	29		8.6	2.2	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		8.6	3.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		8.6	2.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		8.6	2.2	ug/kg	2
Chloroform	67-66-3	8260B	ND		8.6	1.4	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.6	1.7	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		8.6	1.2	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.6	2.6	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		8.6	2.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.6	1.5	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.6	2.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.6	2.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.6	2.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		8.6	2.8	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		8.6	1.3	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		8.6	1.7	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		8.6	2.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.6	1.3	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.6	2.6	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		8.6	1.6	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.6	1.2	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.6	1.4	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		8.6	2.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		20	2.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		8.6	0.40	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		8.6	1.7	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.6	0.69	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.6	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		8.6	0.71	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		8.6	4.5	ug/kg	2
Styrene	100-42-5	8260B	ND		8.6	1.9	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.6	0.81	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		8.6	0.86	ug/kg	2
Toluene	108-88-3	8260B	ND		8.6	2.9	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.6	1.1	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.6	2.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.6	1.5	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH24010-001
Description: H15-MW-02E(119-121)
Matrix: Solid
Date Sampled: 08/23/2011 1730
% Solids: 60.4 08/24/2011 1941
Date Received: 08/24/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/26/2011 1156	SAS		66586	4.22
2	5035	8260B	1	08/29/2011 1940	SAS		66671	4.79

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.6	1.4	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		8.6	3.3	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		8.6	2.6	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		8.6	1.5	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		8.6	5.0	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Run 1 Acceptance Limits	Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		101	53-142		100	53-142
Bromofluorobenzene		84	47-138		84	47-138
Toluene-d8		95	68-124		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH24010-002
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/23/2011 1730
Date Received: 08/24/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/25/2011 1047	BM		66505

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH24010-002
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/23/2011 1730
Date Received: 08/24/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH24010-003
Description: H15-MW-12C
Matrix: Aqueous
Date Sampled: 08/23/2011 1731
Date Received: 08/24/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	08/29/2011 1345	BM		66677
3	5030B	8260B	1				

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	Pending		20	6.7	ug/L	3
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	2
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	2
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	2
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	0.49	J	1.0	0.12	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	2
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	2
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	2
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	2
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	2
Xylenes (total)	1330-20-7	8260B	0.49	J	1.0	0.33	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH24010-003
Description: H15-MW-12C
Matrix: Aqueous
Date Sampled: 08/23/2011 1731
Date Received: 08/24/2011

Surrogate	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130		Pending	70-130
Bromofluorobenzene		103	70-130		Pending	70-130
Toluene-d8		110	70-130		Pending	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66505-001
Batch: 66505
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/25/2011 1011
Benzene	ND		1	1.0	0.13	ug/L	08/25/2011 1011
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/25/2011 1011
Bromoform	ND		1	1.0	0.66	ug/L	08/25/2011 1011
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/25/2011 1011
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/25/2011 1011
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/25/2011 1011
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/25/2011 1011
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/25/2011 1011
Chloroethane	ND		1	2.0	0.47	ug/L	08/25/2011 1011
Chloroform	ND		1	1.0	0.33	ug/L	08/25/2011 1011
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/25/2011 1011
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/25/2011 1011
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/25/2011 1011
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/25/2011 1011
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/25/2011 1011
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/25/2011 1011
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/25/2011 1011
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/25/2011 1011
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/25/2011 1011
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/25/2011 1011
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/25/2011 1011
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/25/2011 1011
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/25/2011 1011
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/25/2011 1011
2-Hexanone	ND		1	10	0.27	ug/L	08/25/2011 1011
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/25/2011 1011
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/25/2011 1011
Methylene chloride	ND		1	1.0	0.33	ug/L	08/25/2011 1011
Styrene	ND		1	1.0	0.12	ug/L	08/25/2011 1011
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/25/2011 1011
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/25/2011 1011
Toluene	ND		1	1.0	0.33	ug/L	08/25/2011 1011
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/25/2011 1011
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/25/2011 1011
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/25/2011 1011
Trichloroethene	ND		1	1.0	0.18	ug/L	08/25/2011 1011
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/25/2011 1011
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/25/2011 1011

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66505-002
Batch: 66505
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	118	70-130	08/25/2011 0843
Benzene	50	52		1	105	70-130	08/25/2011 0843
Bromodichloromethane	50	54		1	107	70-130	08/25/2011 0843
Bromoform	50	43		1	85	70-130	08/25/2011 0843
Bromomethane (Methyl bromide)	50	68		1	137	60-140	08/25/2011 0843
2-Butanone (MEK)	100	87		1	87	60-140	08/25/2011 0843
Carbon disulfide	50	56		1	112	60-140	08/25/2011 0843
Carbon tetrachloride	50	57		1	115	70-130	08/25/2011 0843
Chlorobenzene	50	50		1	100	70-130	08/25/2011 0843
Chloroethane	50	56		1	111	42-163	08/25/2011 0843
Chloroform	50	51		1	102	70-130	08/25/2011 0843
Chloromethane (Methyl chloride)	50	77	N	1	153	70-130	08/25/2011 0843
Dibromochloromethane	50	46		1	91	70-130	08/25/2011 0843
1,2-Dichlorobenzene	50	49		1	99	70-130	08/25/2011 0843
1,3-Dichlorobenzene	50	52		1	104	70-130	08/25/2011 0843
1,4-Dichlorobenzene	50	49		1	98	70-130	08/25/2011 0843
1,1-Dichloroethane	50	53		1	105	70-130	08/25/2011 0843
1,2-Dichloroethane	50	47		1	93	70-130	08/25/2011 0843
trans-1,2-Dichloroethene	50	55		1	111	70-130	08/25/2011 0843
1,1-Dichloroethene	50	57		1	114	70-130	08/25/2011 0843
cis-1,2-Dichloroethene	50	54		1	107	70-130	08/25/2011 0843
1,2-Dichloropropane	50	51		1	102	70-130	08/25/2011 0843
trans-1,3-Dichloropropene	50	52		1	104	70-130	08/25/2011 0843
cis-1,3-Dichloropropene	50	55		1	111	70-130	08/25/2011 0843
Ethylbenzene	50	53		1	105	70-130	08/25/2011 0843
2-Hexanone	100	86		1	86	60-140	08/25/2011 0843
Methyl tertiary butyl ether (MTBE)	50	49		1	97	70-130	08/25/2011 0843
4-Methyl-2-pentanone	100	88		1	88	60-140	08/25/2011 0843
Methylene chloride	50	50		1	101	70-130	08/25/2011 0843
Styrene	50	57		1	113	70-130	08/25/2011 0843
1,1,2,2-Tetrachloroethane	50	46		1	91	60-140	08/25/2011 0843
Tetrachloroethene	50	52		1	103	70-130	08/25/2011 0843
Toluene	50	51		1	103	70-130	08/25/2011 0843
1,2,4-Trichlorobenzene	50	49		1	97	70-130	08/25/2011 0843
1,1,1-Trichloroethane	50	56		1	112	70-130	08/25/2011 0843
1,1,2-Trichloroethane	50	45		1	89	70-130	08/25/2011 0843
Trichloroethene	50	51		1	103	70-130	08/25/2011 0843
Vinyl chloride	50	69	N	1	138	70-130	08/25/2011 0843
Xylenes (total)	100	100		1	103	70-130	08/25/2011 0843

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ66505-003
Batch: 66505
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	117	0.93	70-130	20	08/25/2011 0905
Benzene	50	51		1	103	2.0	70-130	20	08/25/2011 0905
Bromodichloromethane	50	52		1	104	2.6	70-130	20	08/25/2011 0905
Bromoform	50	41		1	81	4.9	70-130	20	08/25/2011 0905
Bromomethane (Methyl bromide)	50	66		1	132	3.6	60-140	20	08/25/2011 0905
2-Butanone (MEK)	100	86		1	86	0.53	60-140	20	08/25/2011 0905
Carbon disulfide	50	55		1	110	2.2	60-140	20	08/25/2011 0905
Carbon tetrachloride	50	57		1	114	0.65	70-130	20	08/25/2011 0905
Chlorobenzene	50	49		1	99	1.1	70-130	20	08/25/2011 0905
Chloroethane	50	68		1	136	20	42-163	20	08/25/2011 0905
Chloroform	50	51		1	101	0.66	70-130	20	08/25/2011 0905
Chloromethane (Methyl chloride)	50	70	N	1	139	9.3	70-130	20	08/25/2011 0905
Dibromochloromethane	50	44		1	87	4.4	70-130	20	08/25/2011 0905
1,2-Dichlorobenzene	50	48		1	97	2.0	70-130	20	08/25/2011 0905
1,3-Dichlorobenzene	50	50		1	101	3.5	70-130	20	08/25/2011 0905
1,4-Dichlorobenzene	50	49		1	97	1.1	70-130	20	08/25/2011 0905
1,1-Dichloroethane	50	52		1	104	1.3	70-130	20	08/25/2011 0905
1,2-Dichloroethane	50	46		1	92	1.1	70-130	20	08/25/2011 0905
trans-1,2-Dichloroethene	50	54		1	109	1.5	70-130	20	08/25/2011 0905
1,1-Dichloroethene	50	56		1	113	1.3	70-130	20	08/25/2011 0905
cis-1,2-Dichloroethene	50	53		1	106	1.2	70-130	20	08/25/2011 0905
1,2-Dichloropropane	50	50		1	100	1.5	70-130	20	08/25/2011 0905
trans-1,3-Dichloropropene	50	50		1	100	3.2	70-130	20	08/25/2011 0905
cis-1,3-Dichloropropene	50	54		1	107	3.0	70-130	20	08/25/2011 0905
Ethylbenzene	50	51		1	102	2.7	70-130	20	08/25/2011 0905
2-Hexanone	100	82		1	82	4.5	60-140	20	08/25/2011 0905
Methyl tertiary butyl ether (MTBE)	50	48		1	96	1.2	70-130	20	08/25/2011 0905
4-Methyl-2-pentanone	100	85		1	85	3.3	60-140	20	08/25/2011 0905
Methylene chloride	50	50		1	99	1.4	70-130	20	08/25/2011 0905
Styrene	50	55		1	111	1.9	70-130	20	08/25/2011 0905
1,1,2,2-Tetrachloroethane	50	43		1	86	5.2	60-140	20	08/25/2011 0905
Tetrachloroethene	50	51		1	102	1.7	70-130	20	08/25/2011 0905
Toluene	50	50		1	100	2.4	70-130	20	08/25/2011 0905
1,2,4-Trichlorobenzene	50	47		1	93	4.0	70-130	20	08/25/2011 0905
1,1,1-Trichloroethane	50	55		1	110	2.0	70-130	20	08/25/2011 0905
1,1,2-Trichloroethane	50	44		1	87	2.1	70-130	20	08/25/2011 0905
Trichloroethene	50	51		1	101	1.6	70-130	20	08/25/2011 0905
Vinyl chloride	50	64		1	128	7.2	70-130	20	08/25/2011 0905
Xylenes (total)	100	100		1	101	1.8	70-130	20	08/25/2011 0905

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: MH24010-003MS
Batch: 66505
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	Pending	100	61		1	61	60-140	08/25/2011 1840
Benzene	ND	50	52		1	104	72-127	08/25/2011 1840
Bromodichloromethane	ND	50	45		1	90	71-143	08/25/2011 1840
Bromoform	ND	50	26	N	1	52	65-131	08/25/2011 1840
Bromomethane (Methyl bromide)	ND	50	62		1	124	36-168	08/25/2011 1840
2-Butanone (MEK)	ND	100	47	N	1	47	60-140	08/25/2011 1840
Carbon disulfide	ND	50	54		1	107	60-140	08/25/2011 1840
Carbon tetrachloride	ND	50	59		1	119	37-166	08/25/2011 1840
Chlorobenzene	ND	50	50		1	101	78-129	08/25/2011 1840
Chloroethane	ND	50	71	N	1	143	60-140	08/25/2011 1840
Chloroform	ND	50	49		1	98	63-123	08/25/2011 1840
Chloromethane (Methyl chloride)	ND	50	64		1	128	20-158	08/25/2011 1840
Dibromochloromethane	ND	50	34	N	1	68	74-134	08/25/2011 1840
1,2-Dichlorobenzene	ND	50	46		1	92	70-130	08/25/2011 1840
1,3-Dichlorobenzene	ND	50	52		1	105	70-130	08/25/2011 1840
1,4-Dichlorobenzene	ND	50	48		1	95	70-130	08/25/2011 1840
1,1-Dichloroethane	ND	50	51		1	103	69-132	08/25/2011 1840
1,2-Dichloroethane	ND	50	35		1	71	59-143	08/25/2011 1840
trans-1,2-Dichloroethene	ND	50	55		1	111	67-141	08/25/2011 1840
1,1-Dichloroethene	ND	50	58		1	117	50-132	08/25/2011 1840
cis-1,2-Dichloroethene	0.49	50	51		1	101	70-130	08/25/2011 1840
1,2-Dichloropropane	ND	50	46		1	92	71-126	08/25/2011 1840
trans-1,3-Dichloropropene	ND	50	37		1	73	73-131	08/25/2011 1840
cis-1,3-Dichloropropene	ND	50	42		1	83	69-130	08/25/2011 1840
Ethylbenzene	ND	50	56		1	112	79-132	08/25/2011 1840
2-Hexanone	ND	100	51	N	1	51	60-140	08/25/2011 1840
Methyl tertiary butyl ether (MTBE)	ND	50	34		1	68	60-140	08/25/2011 1840
4-Methyl-2-pentanone	ND	100	51	N	1	51	60-140	08/25/2011 1840
Methylene chloride	ND	50	43		1	87	69-129	08/25/2011 1840
Styrene	ND	50	55		1	109	70-130	08/25/2011 1840
1,1,2,2-Tetrachloroethane	ND	50	31		1	61	60-155	08/25/2011 1840
Tetrachloroethene	ND	50	57		1	114	70-130	08/25/2011 1840
Toluene	ND	50	52		1	104	75-125	08/25/2011 1840
1,2,4-Trichlorobenzene	ND	50	42		1	84	70-130	08/25/2011 1840
1,1,1-Trichloroethane	ND	50	57		1	114	77-132	08/25/2011 1840
1,1,2-Trichloroethane	ND	50	34	N	1	68	77-132	08/25/2011 1840
Trichloroethene	ND	50	53		1	107	73-124	08/25/2011 1840
Vinyl chloride	ND	50	63		1	127	29-159	08/25/2011 1840
Xylenes (total)	0.49	100	110		1	108	70-130	08/25/2011 1840

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4	N	63	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66586-001
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
2-Hexanone	1.5	J	1	10	1.3	ug/kg	08/26/2011 1047

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PRELIMINARY

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66586-002
Batch: 66586
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2-Hexanone	100	100		1	103	54-137	08/26/2011 0918

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66671-001
Batch: 66671
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	08/29/2011 1705
Benzene	ND		1	5.0	1.1	ug/kg	08/29/2011 1705
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
Bromoform	ND		1	5.0	0.70	ug/kg	08/29/2011 1705
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	08/29/2011 1705
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	08/29/2011 1705
Carbon disulfide	ND		1	5.0	1.3	ug/kg	08/29/2011 1705
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	08/29/2011 1705
Chlorobenzene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
Chloroethane	ND		1	5.0	1.3	ug/kg	08/29/2011 1705
Chloroform	ND		1	5.0	0.83	ug/kg	08/29/2011 1705
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	08/29/2011 1705
Cyclohexane	ND		1	5.0	0.67	ug/kg	08/29/2011 1705
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	08/29/2011 1705
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	08/29/2011 1705
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	08/29/2011 1705
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	08/29/2011 1705
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	08/29/2011 1705
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	08/29/2011 1705
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	08/29/2011 1705
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	08/29/2011 1705
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	08/29/2011 1705
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	08/29/2011 1705
Ethylbenzene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	08/29/2011 1705
Methyl acetate	ND		1	5.0	0.98	ug/kg	08/29/2011 1705
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	08/29/2011 1705
4-Methyl-2-pentanone	2.3	J	1	10	1.5	ug/kg	08/29/2011 1705
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	08/29/2011 1705
Methylene chloride	ND		1	5.0	2.6	ug/kg	08/29/2011 1705
Styrene	ND		1	5.0	1.1	ug/kg	08/29/2011 1705
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	08/29/2011 1705
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	08/29/2011 1705
Toluene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	08/29/2011 1705
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	08/29/2011 1705
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	08/29/2011 1705
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	08/29/2011 1705
Trichloroethene	ND		1	5.0	1.9	ug/kg	08/29/2011 1705

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66671-001
Batch: 66671
Analytical Method: 8260B
Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	08/29/2011 1705
Vinyl chloride	ND		1	5.0	0.86	ug/kg	08/29/2011 1705
Xylenes (total)	ND		1	5.0	2.9	ug/kg	08/29/2011 1705

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		103	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66671-002
Batch: 66671
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	136	42-149	08/29/2011 1536
Benzene	50	44		1	88	69-123	08/29/2011 1536
Bromodichloromethane	50	47		1	93	69-121	08/29/2011 1536
Bromoform	50	46		1	92	61-119	08/29/2011 1536
Bromomethane (Methyl bromide)	50	47		1	95	35-144	08/29/2011 1536
2-Butanone (MEK)	100	91		1	91	57-148	08/29/2011 1536
Carbon disulfide	50	34		1	69	58-122	08/29/2011 1536
Carbon tetrachloride	50	43		1	86	58-136	08/29/2011 1536
Chlorobenzene	50	44		1	89	59-129	08/29/2011 1536
Chloroethane	50	46		1	92	42-163	08/29/2011 1536
Chloroform	50	45		1	90	71-125	08/29/2011 1536
Chloromethane (Methyl chloride)	50	44		1	88	34-134	08/29/2011 1536
Cyclohexane	50	39		1	78	53-139	08/29/2011 1536
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	83	55-125	08/29/2011 1536
Dibromochloromethane	50	46		1	91	66-119	08/29/2011 1536
1,2-Dibromoethane (EDB)	50	47		1	95	74-124	08/29/2011 1536
1,2-Dichlorobenzene	50	45		1	90	57-131	08/29/2011 1536
1,4-Dichlorobenzene	50	44		1	89	52-133	08/29/2011 1536
1,3-Dichlorobenzene	50	44		1	88	51-134	08/29/2011 1536
Dichlorodifluoromethane	50	45		1	89	10-157	08/29/2011 1536
1,1-Dichloroethane	50	45		1	90	71-127	08/29/2011 1536
1,2-Dichloroethane	50	47		1	94	67-129	08/29/2011 1536
1,1-Dichloroethene	50	43		1	86	69-138	08/29/2011 1536
cis-1,2-Dichloroethene	50	45		1	90	70-122	08/29/2011 1536
trans-1,2-Dichloroethene	50	45		1	89	68-131	08/29/2011 1536
1,2-Dichloropropane	50	46		1	92	72-124	08/29/2011 1536
cis-1,3-Dichloropropene	50	47		1	94	70-126	08/29/2011 1536
trans-1,3-Dichloropropene	50	49		1	97	70-124	08/29/2011 1536
Ethylbenzene	50	45		1	89	59-128	08/29/2011 1536
Isopropylbenzene	50	45		1	89	50-136	08/29/2011 1536
Methyl acetate	50	53		1	105	59-137	08/29/2011 1536
Methyl tertiary butyl ether (MTBE)	50	47		1	94	72-122	08/29/2011 1536
4-Methyl-2-pentanone	100	110		1	107	60-134	08/29/2011 1536
Methylcyclohexane	50	44		1	87	41-144	08/29/2011 1536
Methylene chloride	50	43		1	86	77-129	08/29/2011 1536
Styrene	50	45		1	90	54-136	08/29/2011 1536
1,1,2,2-Tetrachloroethane	50	46		1	93	69-132	08/29/2011 1536
Tetrachloroethene	50	43		1	86	45-150	08/29/2011 1536
Toluene	50	44		1	88	61-129	08/29/2011 1536
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	84	49-136	08/29/2011 1536
1,2,4-Trichlorobenzene	50	46		1	93	34-145	08/29/2011 1536
1,1,2-Trichloroethane	50	47		1	94	55-128	08/29/2011 1536
1,1,1-Trichloroethane	50	43		1	86	63-128	08/29/2011 1536
Trichloroethene	50	44		1	88	62-126	08/29/2011 1536

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66671-002
Batch: 66671
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	50	45		1	90	45-138	08/29/2011 1536
Vinyl chloride	50	42		1	85	42-132	08/29/2011 1536
Xylenes (total)	100	90		1	90	58-128	08/29/2011 1536

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

PRELIMINARY

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66677-001
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Bromoform	ND		1	1.0	0.66	ug/L	08/29/2011 0926
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/29/2011 0926
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/29/2011 0926
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/29/2011 0926
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/29/2011 0926
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/29/2011 0926
Chloroethane	ND		1	2.0	0.47	ug/L	08/29/2011 0926
Chloroform	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/29/2011 0926
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/29/2011 0926
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/29/2011 0926
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/29/2011 0926
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/29/2011 0926
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/29/2011 0926
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/29/2011 0926
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
2-Hexanone	ND		1	10	0.27	ug/L	08/29/2011 0926
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/29/2011 0926
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/29/2011 0926
Methylene chloride	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Styrene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/29/2011 0926
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Toluene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/29/2011 0926
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/29/2011 0926
Trichloroethene	ND		1	1.0	0.18	ug/L	08/29/2011 0926
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/29/2011 0926
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/29/2011 0926

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66677-002
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	50	49		1	97	70-130	08/29/2011 0802
Bromodichloromethane	50	55		1	110	70-130	08/29/2011 0802
Bromoform	50	52		1	104	70-130	08/29/2011 0802
Bromomethane (Methyl bromide)	50	36		1	72	60-140	08/29/2011 0802
2-Butanone (MEK)	100	110		1	114	60-140	08/29/2011 0802
Carbon disulfide	50	46		1	92	60-140	08/29/2011 0802
Carbon tetrachloride	50	51		1	102	70-130	08/29/2011 0802
Chlorobenzene	50	48		1	96	70-130	08/29/2011 0802
Chloroethane	50	48		1	96	42-163	08/29/2011 0802
Chloroform	50	49		1	99	70-130	08/29/2011 0802
Chloromethane (Methyl chloride)	50	53		1	107	70-130	08/29/2011 0802
Dibromochloromethane	50	46		1	93	70-130	08/29/2011 0802
1,2-Dichlorobenzene	50	48		1	97	70-130	08/29/2011 0802
1,3-Dichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,4-Dichlorobenzene	50	47		1	94	70-130	08/29/2011 0802
1,1-Dichloroethane	50	51		1	102	70-130	08/29/2011 0802
1,2-Dichloroethane	50	49		1	98	70-130	08/29/2011 0802
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/29/2011 0802
1,1-Dichloroethene	50	50		1	101	70-130	08/29/2011 0802
cis-1,2-Dichloroethene	50	49		1	99	70-130	08/29/2011 0802
1,2-Dichloropropane	50	50		1	100	70-130	08/29/2011 0802
cis-1,3-Dichloropropene	50	47		1	94	70-130	08/29/2011 0802
trans-1,3-Dichloropropene	50	45		1	91	70-130	08/29/2011 0802
Ethylbenzene	50	50		1	100	70-130	08/29/2011 0802
2-Hexanone	100	110		1	115	60-140	08/29/2011 0802
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	08/29/2011 0802
4-Methyl-2-pentanone	100	120		1	120	60-140	08/29/2011 0802
Methylene chloride	50	47		1	94	70-130	08/29/2011 0802
Styrene	50	49		1	98	70-130	08/29/2011 0802
1,1,2,2-Tetrachloroethane	50	52		1	105	60-140	08/29/2011 0802
Tetrachloroethene	50	48		1	95	70-130	08/29/2011 0802
Toluene	50	50		1	99	70-130	08/29/2011 0802
1,2,4-Trichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,1,2-Trichloroethane	50	49		1	97	70-130	08/29/2011 0802
1,1,1-Trichloroethane	50	49		1	98	70-130	08/29/2011 0802
Trichloroethene	50	49		1	98	70-130	08/29/2011 0802
Vinyl chloride	50	53		1	107	70-130	08/29/2011 0802
Xylenes (total)	100	100		1	102	70-130	08/29/2011 0802

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name HAA-15

Project Location Hunter Army Airfield

Laboratory Shealy Environmental

Project Manager Scott Bastian

Sampler(s)/Affiliation Jared Fino

MH2W010

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: VOCs	Remarks	Total
H15-MW-12C	L	8/24/11 1731		3	PLEASE COPY TRIP BLANK (082311) ANALYSIS TO THIS REPORT	3

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 3

					Seal Intact?
Relinquished by:	Organization: ARCADIS	Date 8/25/11	Time 1900		
Received by:	Organization:	Date / /	Time		Yes No N/A
Relinquished by: Courier	Organization: FEDEX	Date 8/24/11	Time 6905		Seal Intact?
Received by: [illegible]	Organization: Shealy Env Svcs	Date 8/24/11	Time 0905		Yes No N/A

Special Instructions/Remarks: T= 3.C°

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

PRELIMINARY

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 03967

Client	Report to Contact	Sampler (Printed Name)	Quote No.
ARCADIS	SCOTT BOSTIAN	JOHN HANNA	
Address 801 CORPORATE CENTER DR #300	Telephone No. / Fax No. / Email SCOTT.BOSTIAN@ARCADIS-US.COM	Waybill No.	Page 1 of 1
City RALEIGH State NC Zip Code 27607	Preservative 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers
Project Name HAA-15			Bottle (See Instructions on back)
Project Number NGP08HAFS.HISC.GGOF1	P.O Number		Preservative
			Lot No. MH24010

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix GW	DW	WW	S	Other	Analysis VOCs (Soil)	% Moisture	Remarks / Cooler ID
HIS-MW-02E (19-21)	8.23.11	1730					✓		✓	✓	PLEASE COPY TRIP BLANK (082311) ANALYSIS ON TO BOTH ~~HIS~~ JH HAA-15 AND HAA-15 IDW REPORTS THX, JH
~~HIS-MW-02E (123-125)~~ JH	8.23.11						✓		✓	✓	
TRIP BLANK (082311)	8.23.11	—									
TEMP BLANK	—	—									

Turn Around Time Required (Prior lab approval required for expedited TAT)	Sample Disposal	QC Requirements (Specify)	Possible Hazard Identification
☒ Standard ☐ Rush (Please Specify)	☐ Return to Client ☒ Disposal by Lab		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Relinquished by / Sampler	Date	Time	Received by	Date	Time
1.	JOHN HANNA	8.23.11		FEDEX	8.23.11	
2.	Relinquished by	Date	Time	Received by	Date	Time
3.	Relinquished by	Date	Time	Received by	Date	Time
4.	Relinquished by FEDEX	8/24/11	0900	Laboratory Received by	8-24-11	0905

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack Receipt Temp. 3-6 °C Temp. Blank ☒ Y ☐ N

PRELIMINARY

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: Etg 8/24/11 Lot #: M 142408

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 3.6 °C / °C / °C / °C / °C / °C / °C / °C / °C Method: ☑ Temperature Blank ☑ Against Bottles Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier? times not indicated on (1) COC
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

PRELIMINARY

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: HAA-15

Project Number: GP08HAFS.H15C.GH0PT

Lot Number: MI10009

Date Completed: 09/13/2011



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MI10009

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MI10009

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MI10009

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-02E	Aqueous	09/08/2011 1650	09/10/2011
002	H15-MW-20E	Aqueous	09/09/2011 1335	09/10/2011
003	TRIP BLANK (090611)	Aqueous	09/09/2011	09/10/2011

(3 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MI10009

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-02E	Aqueous	Acetone	8260B	8.3	J	ug/L	5
001	H15-MW-02E	Aqueous	Carbon disulfide	8260B	0.67	J	ug/L	5
001	H15-MW-02E	Aqueous	Chloroform	8260B	0.77	J	ug/L	5
001	H15-MW-02E	Aqueous	cis-1,2-Dichloroethene	8260B	0.17	J	ug/L	5
001	H15-MW-02E	Aqueous	Trichloroethene	8260B	1.1		ug/L	5
002	H15-MW-20E	Aqueous	Carbon disulfide	8260B	1.0		ug/L	7

(6 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MI10009-001
Description: H15-MW-02E
Matrix: Aqueous
Date Sampled: 09/08/2011 1650
Date Received: 09/10/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/12/2011 2345	LBS		67535

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	8.3	J	20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.67	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	0.77	J	1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.17	J	1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	1.1		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MI10009-001
Description: H15-MW-02E
Matrix: Aqueous
Date Sampled: 09/08/2011 1650
Date Received: 09/10/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MI10009-002
Description: H15-MW-20E
Matrix: Aqueous
Date Sampled: 09/09/2011 1335
Date Received: 09/10/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/13/2011 0008	LBS		67535

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	1.0		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MI10009-002
Description: H15-MW-20E
Matrix: Aqueous
Date Sampled: 09/09/2011 1335
Date Received: 09/10/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MI10009-003
Description: TRIP BLANK (090611)
Matrix: Aqueous
Date Sampled: 09/09/2011
Date Received: 09/10/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/13/2011 0942	BM		67579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MI10009-003
Description: TRIP BLANK (090611)
Matrix: Aqueous
Date Sampled: 09/09/2011
Date Received: 09/10/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ67535-001
Batch: 67535
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	09/12/2011 2301
Benzene	ND		1	1.0	0.13	ug/L	09/12/2011 2301
Bromodichloromethane	ND		1	1.0	0.33	ug/L	09/12/2011 2301
Bromoform	ND		1	1.0	0.66	ug/L	09/12/2011 2301
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	09/12/2011 2301
2-Butanone (MEK)	ND		1	10	2.0	ug/L	09/12/2011 2301
Carbon disulfide	ND		1	1.0	0.097	ug/L	09/12/2011 2301
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	09/12/2011 2301
Chlorobenzene	ND		1	2.0	0.33	ug/L	09/12/2011 2301
Chloroethane	ND		1	2.0	0.47	ug/L	09/12/2011 2301
Chloroform	ND		1	1.0	0.33	ug/L	09/12/2011 2301
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	09/12/2011 2301
Dibromochloromethane	ND		1	1.0	0.33	ug/L	09/12/2011 2301
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	09/12/2011 2301
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	09/12/2011 2301
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	09/12/2011 2301
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	09/12/2011 2301
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	09/12/2011 2301
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	09/12/2011 2301
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	09/12/2011 2301
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	09/12/2011 2301
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	09/12/2011 2301
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	09/12/2011 2301
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	09/12/2011 2301
Ethylbenzene	ND		1	1.0	0.33	ug/L	09/12/2011 2301
2-Hexanone	ND		1	10	0.27	ug/L	09/12/2011 2301
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/12/2011 2301
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	09/12/2011 2301
Methylene chloride	ND		1	1.0	0.33	ug/L	09/12/2011 2301
Styrene	ND		1	1.0	0.12	ug/L	09/12/2011 2301
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	09/12/2011 2301
Tetrachloroethene	ND		1	1.0	0.13	ug/L	09/12/2011 2301
Toluene	ND		1	1.0	0.33	ug/L	09/12/2011 2301
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	09/12/2011 2301
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	09/12/2011 2301
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	09/12/2011 2301
Trichloroethene	ND		1	1.0	0.18	ug/L	09/12/2011 2301
Vinyl chloride	ND		1	1.0	0.054	ug/L	09/12/2011 2301
Xylenes (total)	ND		1	1.0	0.33	ug/L	09/12/2011 2301

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ67535-002
Batch: 67535
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	88		1	88	70-130	09/12/2011 2149
Benzene	50	44		1	89	70-130	09/12/2011 2149
Bromodichloromethane	50	51		1	103	70-130	09/12/2011 2149
Bromoform	50	49		1	97	70-130	09/12/2011 2149
Bromomethane (Methyl bromide)	50	62		1	124	60-140	09/12/2011 2149
2-Butanone (MEK)	100	90		1	90	60-140	09/12/2011 2149
Carbon disulfide	50	44		1	88	60-140	09/12/2011 2149
Carbon tetrachloride	50	55		1	109	70-130	09/12/2011 2149
Chlorobenzene	50	48		1	97	70-130	09/12/2011 2149
Chloroethane	50	54		1	109	42-163	09/12/2011 2149
Chloroform	50	47		1	93	70-130	09/12/2011 2149
Chloromethane (Methyl chloride)	50	52		1	105	70-130	09/12/2011 2149
Dibromochloromethane	50	55		1	110	70-130	09/12/2011 2149
1,4-Dichlorobenzene	50	48		1	97	70-130	09/12/2011 2149
1,2-Dichlorobenzene	50	48		1	96	70-130	09/12/2011 2149
1,3-Dichlorobenzene	50	49		1	99	70-130	09/12/2011 2149
1,1-Dichloroethane	50	45		1	90	70-130	09/12/2011 2149
1,2-Dichloroethane	50	47		1	94	70-130	09/12/2011 2149
1,1-Dichloroethene	50	45		1	91	70-130	09/12/2011 2149
cis-1,2-Dichloroethene	50	46		1	91	70-130	09/12/2011 2149
trans-1,2-Dichloroethene	50	46		1	93	70-130	09/12/2011 2149
1,2-Dichloropropane	50	47		1	93	70-130	09/12/2011 2149
trans-1,3-Dichloropropene	50	53		1	105	70-130	09/12/2011 2149
cis-1,3-Dichloropropene	50	53		1	105	70-130	09/12/2011 2149
Ethylbenzene	50	48		1	97	70-130	09/12/2011 2149
2-Hexanone	100	100		1	102	60-140	09/12/2011 2149
Methyl tertiary butyl ether (MTBE)	50	50		1	99	70-130	09/12/2011 2149
4-Methyl-2-pentanone	100	100		1	102	60-140	09/12/2011 2149
Methylene chloride	50	47		1	94	70-130	09/12/2011 2149
Styrene	50	53		1	107	70-130	09/12/2011 2149
1,1,2,2-Tetrachloroethane	50	47		1	93	60-140	09/12/2011 2149
Tetrachloroethene	50	50		1	101	70-130	09/12/2011 2149
Toluene	50	47		1	94	70-130	09/12/2011 2149
1,2,4-Trichlorobenzene	50	50		1	100	70-130	09/12/2011 2149
1,1,1-Trichloroethane	50	52		1	104	70-130	09/12/2011 2149
1,1,2-Trichloroethane	50	47		1	94	70-130	09/12/2011 2149
Trichloroethene	50	49		1	99	70-130	09/12/2011 2149
Vinyl chloride	50	51		1	102	70-130	09/12/2011 2149
Xylenes (total)	100	100		1	100	70-130	09/12/2011 2149

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ67579-001
Batch: 67579
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	09/13/2011 0843
Benzene	ND		1	1.0	0.13	ug/L	09/13/2011 0843
Bromodichloromethane	ND		1	1.0	0.33	ug/L	09/13/2011 0843
Bromoform	ND		1	1.0	0.66	ug/L	09/13/2011 0843
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	09/13/2011 0843
2-Butanone (MEK)	ND		1	10	2.0	ug/L	09/13/2011 0843
Carbon disulfide	ND		1	1.0	0.097	ug/L	09/13/2011 0843
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	09/13/2011 0843
Chlorobenzene	ND		1	2.0	0.33	ug/L	09/13/2011 0843
Chloroethane	ND		1	2.0	0.47	ug/L	09/13/2011 0843
Chloroform	ND		1	1.0	0.33	ug/L	09/13/2011 0843
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	09/13/2011 0843
Dibromochloromethane	ND		1	1.0	0.33	ug/L	09/13/2011 0843
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	09/13/2011 0843
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	09/13/2011 0843
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	09/13/2011 0843
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	09/13/2011 0843
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	09/13/2011 0843
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	09/13/2011 0843
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	09/13/2011 0843
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	09/13/2011 0843
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	09/13/2011 0843
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	09/13/2011 0843
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	09/13/2011 0843
Ethylbenzene	ND		1	1.0	0.33	ug/L	09/13/2011 0843
2-Hexanone	ND		1	10	0.27	ug/L	09/13/2011 0843
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	09/13/2011 0843
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	09/13/2011 0843
Methylene chloride	ND		1	1.0	0.33	ug/L	09/13/2011 0843
Styrene	ND		1	1.0	0.12	ug/L	09/13/2011 0843
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	09/13/2011 0843
Tetrachloroethene	ND		1	1.0	0.13	ug/L	09/13/2011 0843
Toluene	ND		1	1.0	0.33	ug/L	09/13/2011 0843
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	09/13/2011 0843
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	09/13/2011 0843
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	09/13/2011 0843
Trichloroethene	ND		1	1.0	0.18	ug/L	09/13/2011 0843
Vinyl chloride	ND		1	1.0	0.054	ug/L	09/13/2011 0843
Xylenes (total)	ND		1	1.0	0.33	ug/L	09/13/2011 0843

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ67579-002
Batch: 67579
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	108	70-130	09/13/2011 0714
Benzene	50	46		1	91	70-130	09/13/2011 0714
Bromodichloromethane	50	48		1	96	70-130	09/13/2011 0714
Bromoform	50	52		1	103	70-130	09/13/2011 0714
Bromomethane (Methyl bromide)	50	51		1	102	60-140	09/13/2011 0714
2-Butanone (MEK)	100	110		1	105	60-140	09/13/2011 0714
Carbon disulfide	50	46		1	93	60-140	09/13/2011 0714
Carbon tetrachloride	50	46		1	93	70-130	09/13/2011 0714
Chlorobenzene	50	47		1	94	70-130	09/13/2011 0714
Chloroethane	50	46		1	93	42-163	09/13/2011 0714
Chloroform	50	45		1	91	70-130	09/13/2011 0714
Chloromethane (Methyl chloride)	50	45		1	90	70-130	09/13/2011 0714
Dibromochloromethane	50	49		1	98	70-130	09/13/2011 0714
1,2-Dichlorobenzene	50	48		1	96	70-130	09/13/2011 0714
1,3-Dichlorobenzene	50	48		1	96	70-130	09/13/2011 0714
1,4-Dichlorobenzene	50	45		1	90	70-130	09/13/2011 0714
1,1-Dichloroethane	50	46		1	92	70-130	09/13/2011 0714
1,2-Dichloroethane	50	47		1	93	70-130	09/13/2011 0714
1,1-Dichloroethene	50	46		1	93	70-130	09/13/2011 0714
cis-1,2-Dichloroethene	50	46		1	93	70-130	09/13/2011 0714
trans-1,2-Dichloroethene	50	48		1	95	70-130	09/13/2011 0714
1,2-Dichloropropane	50	49		1	97	70-130	09/13/2011 0714
cis-1,3-Dichloropropene	50	52		1	103	70-130	09/13/2011 0714
trans-1,3-Dichloropropene	50	51		1	102	70-130	09/13/2011 0714
Ethylbenzene	50	48		1	95	70-130	09/13/2011 0714
2-Hexanone	100	100		1	101	60-140	09/13/2011 0714
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	09/13/2011 0714
4-Methyl-2-pentanone	100	110		1	108	60-140	09/13/2011 0714
Methylene chloride	50	50		1	101	70-130	09/13/2011 0714
Styrene	50	49		1	97	70-130	09/13/2011 0714
1,1,2,2-Tetrachloroethane	50	48		1	96	60-140	09/13/2011 0714
Tetrachloroethene	50	46		1	91	70-130	09/13/2011 0714
Toluene	50	48		1	96	70-130	09/13/2011 0714
1,2,4-Trichlorobenzene	50	51		1	102	70-130	09/13/2011 0714
1,1,1-Trichloroethane	50	49		1	99	70-130	09/13/2011 0714
1,1,2-Trichloroethane	50	48		1	95	70-130	09/13/2011 0714
Trichloroethene	50	45		1	90	70-130	09/13/2011 0714
Vinyl chloride	50	45		1	90	70-130	09/13/2011 0714
Xylenes (total)	100	99		1	99	70-130	09/13/2011 0714

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: MQ67579-003
Batch: 67579
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	100	7.7	70-130	20	09/13/2011 0735
Benzene	50	48		1	96	5.3	70-130	20	09/13/2011 0735
Bromodichloromethane	50	49		1	99	2.8	70-130	20	09/13/2011 0735
Bromoform	50	53		1	105	1.8	70-130	20	09/13/2011 0735
Bromomethane (Methyl bromide)	50	50		1	100	2.3	60-140	20	09/13/2011 0735
2-Butanone (MEK)	100	97		1	97	8.2	60-140	20	09/13/2011 0735
Carbon disulfide	50	48		1	96	3.2	60-140	20	09/13/2011 0735
Carbon tetrachloride	50	49		1	98	4.9	70-130	20	09/13/2011 0735
Chlorobenzene	50	48		1	96	1.4	70-130	20	09/13/2011 0735
Chloroethane	50	47		1	94	1.4	42-163	20	09/13/2011 0735
Chloroform	50	48		1	96	5.3	70-130	20	09/13/2011 0735
Chloromethane (Methyl chloride)	50	45		1	89	1.2	70-130	20	09/13/2011 0735
Dibromochloromethane	50	50		1	100	2.1	70-130	20	09/13/2011 0735
1,2-Dichlorobenzene	50	49		1	98	2.9	70-130	20	09/13/2011 0735
1,3-Dichlorobenzene	50	48		1	97	1.2	70-130	20	09/13/2011 0735
1,4-Dichlorobenzene	50	47		1	95	4.5	70-130	20	09/13/2011 0735
1,1-Dichloroethane	50	49		1	98	6.2	70-130	20	09/13/2011 0735
1,2-Dichloroethane	50	49		1	97	4.7	70-130	20	09/13/2011 0735
1,1-Dichloroethene	50	48		1	95	2.9	70-130	20	09/13/2011 0735
cis-1,2-Dichloroethene	50	49		1	98	5.8	70-130	20	09/13/2011 0735
trans-1,2-Dichloroethene	50	49		1	98	3.0	70-130	20	09/13/2011 0735
1,2-Dichloropropane	50	49		1	99	1.5	70-130	20	09/13/2011 0735
cis-1,3-Dichloropropene	50	49		1	98	5.0	70-130	20	09/13/2011 0735
trans-1,3-Dichloropropene	50	49		1	99	3.4	70-130	20	09/13/2011 0735
Ethylbenzene	50	50		1	100	4.9	70-130	20	09/13/2011 0735
2-Hexanone	100	99		1	99	2.4	60-140	20	09/13/2011 0735
Methyl tertiary butyl ether (MTBE)	50	51		1	102	0.49	70-130	20	09/13/2011 0735
4-Methyl-2-pentanone	100	99		1	99	7.9	60-140	20	09/13/2011 0735
Methylene chloride	50	51		1	103	1.9	70-130	20	09/13/2011 0735
Styrene	50	50		1	101	3.5	70-130	20	09/13/2011 0735
1,1,2,2-Tetrachloroethane	50	45		1	90	6.0	60-140	20	09/13/2011 0735
Tetrachloroethene	50	48		1	96	5.6	70-130	20	09/13/2011 0735
Toluene	50	46		1	93	3.5	70-130	20	09/13/2011 0735
1,2,4-Trichlorobenzene	50	49		1	98	4.4	70-130	20	09/13/2011 0735
1,1,1-Trichloroethane	50	50		1	101	2.0	70-130	20	09/13/2011 0735
1,1,2-Trichloroethane	50	48		1	96	0.81	70-130	20	09/13/2011 0735
Trichloroethene	50	48		1	95	5.7	70-130	20	09/13/2011 0735
Vinyl chloride	50	45		1	91	0.55	70-130	20	09/13/2011 0735
Xylenes (total)	100	100		1	104	4.6	70-130	20	09/13/2011 0735

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

ARCADIS Laboratory Task Order No./P.O. No. _____ **CHAIN-OF-CUSTODY RECORD** Page 1 of 1

Project Number/Name HAA-15
Project Location Hunter Army Airfield
Laboratory Shealy
Project Manager Scott Bostian
Sampler(s)/Affiliation Josh Frizzell-Arcadis

MI 10007 (D)

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: VOCs						Remarks	Total
H15-MW-02E	L	9-8-11	1650	3						Results due 9-13-2011	3
H15-MW-20E	L	9-9-11	1335	3							3
Trip Blank (090611)	L	—	—	2							2

JDF 9-9-2011

Total No. of Bottles/ Containers 8

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: [signature]	Organization: ARCADIS	Date 9/9/2011	Time 1900	Seal Intact?	Yes No N/A
Received by: _____	Organization: _____	Date / /	Time _____		
Relinquished by: Fed Ex	Organization: _____	Date 9/10/11	Time 920	Seal Intact?	
Received by: [signature]	Organization: Shealy	Date 9/10/11	Time 0920	Yes No N/A	

Special Instructions/Remarks:
Results due 9-13-2011 Temp 1.0

Delivery Method: ☐ In Person ☒ Common Carrier Fed EX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AS 05-12/01

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: [illegible] 9/10/11 Lot #: WI10009 (2)

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other

Yes ☒	No ☐		1. Were custody seals present on the cooler?
Yes ☒	No ☐		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 1 2 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☒ Against Bottles
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☒	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☒	No ☐	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☐	No ☒		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☒	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☒	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) 2 3 (2) were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee:_____

Comments:_____

This portion can be removed for Recipient's records.

Date 9-9-2011 FedEx Tracking Number 874197703442

Sender's Name [illegible] Phone 919 854-1282

Company ARCADIS G & M OF NC INC

Address 801 CORPORATE CENTER DR

City RALEIGH State NC ZIP 27607-5243

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Allison Fang

Project Name: Hunter Stewart HAA-15

Project Number: GP08HAFS.H15C.GGOFI

Lot Number: MH26027

Date Completed: 08/29/2011



Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

MH26027

Case Narrative
ARCADIS U.S., Inc.
Lot Number: MH26027

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The LCS recovery for Acetone exceeded method control limits in batch 66677; however, all other QA/QC criteria for the LCS were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

Sample Summary

ARCADIS U.S., Inc.

Lot Number: MH26027

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-MW-02D	Aqueous	08/25/2011 1544	08/26/2011
002	Trip Blank 082511	Aqueous	08/25/2011 1544	08/26/2011

(2 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: MH26027

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-MW-02D	Aqueous	Acetone	8260B	8.1	J	ug/L	5
001	H15-MW-02D	Aqueous	Bromodichloromethane	8260B	0.45	J	ug/L	5
001	H15-MW-02D	Aqueous	Carbon disulfide	8260B	0.39	J	ug/L	5
001	H15-MW-02D	Aqueous	Chloroform	8260B	1.2		ug/L	5
001	H15-MW-02D	Aqueous	Dibromochloromethane	8260B	3.1		ug/L	5
001	H15-MW-02D	Aqueous	cis-1,2-Dichloroethene	8260B	0.24	J	ug/L	5
001	H15-MW-02D	Aqueous	4-Methyl-2-pentanone	8260B	1.3	J	ug/L	5
001	H15-MW-02D	Aqueous	Trichloroethene	8260B	1.7		ug/L	5

(8 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH26027-001
Description: H15-MW-02D
Matrix: Aqueous
Date Sampled: 08/25/2011 1544
Date Received: 08/26/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/29/2011 1406	BM		66677
2	5030B	8260B	1	08/29/2011 1727	BM		66681

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	8.1	J	20	6.7	ug/L	2
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	0.45	J	1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	0.39	J	1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	1.2		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	3.1		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.24	J	1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	1.3	J	10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	1.7		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH26027-001
Description: H15-MW-02D
Matrix: Aqueous
Date Sampled: 08/25/2011 1544
Date Received: 08/26/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	70-130		100	70-130
Bromofluorobenzene		103	70-130		101	70-130
Toluene-d8		111	70-130		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH26027-002
Description: Trip Blank 082511
Matrix: Aqueous
Date Sampled: 08/25/2011 1544
Date Received: 08/26/2011

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/29/2011 1428	BM		66677

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	0.51	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: MH26027-002
Description: Trip Blank 082511
Matrix: Aqueous
Date Sampled: 08/25/2011 1544
Date Received: 08/26/2011

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66677-001
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/29/2011 0926
Benzene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Bromodichloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Bromoform	ND		1	1.0	0.66	ug/L	08/29/2011 0926
Bromomethane (Methyl bromide)	ND		1	2.0	0.80	ug/L	08/29/2011 0926
2-Butanone (MEK)	ND		1	10	2.0	ug/L	08/29/2011 0926
Carbon disulfide	ND		1	1.0	0.097	ug/L	08/29/2011 0926
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	08/29/2011 0926
Chlorobenzene	ND		1	2.0	0.33	ug/L	08/29/2011 0926
Chloroethane	ND		1	2.0	0.47	ug/L	08/29/2011 0926
Chloroform	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	08/29/2011 0926
Dibromochloromethane	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,3-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	08/29/2011 0926
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	08/29/2011 0926
trans-1,2-Dichloroethene	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	08/29/2011 0926
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	08/29/2011 0926
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	08/29/2011 0926
trans-1,3-Dichloropropene	ND		1	1.0	0.11	ug/L	08/29/2011 0926
Ethylbenzene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
2-Hexanone	ND		1	10	0.27	ug/L	08/29/2011 0926
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	08/29/2011 0926
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	08/29/2011 0926
Methylene chloride	ND		1	1.0	0.33	ug/L	08/29/2011 0926
Styrene	ND		1	1.0	0.12	ug/L	08/29/2011 0926
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	08/29/2011 0926
Tetrachloroethene	ND		1	1.0	0.13	ug/L	08/29/2011 0926
Toluene	ND		1	1.0	0.33	ug/L	08/29/2011 0926
1,2,4-Trichlorobenzene	ND		1	1.0	0.51	ug/L	08/29/2011 0926
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	08/29/2011 0926
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	08/29/2011 0926
Trichloroethene	ND		1	1.0	0.18	ug/L	08/29/2011 0926
Vinyl chloride	ND		1	1.0	0.054	ug/L	08/29/2011 0926
Xylenes (total)	ND		1	1.0	0.33	ug/L	08/29/2011 0926

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66677-002
Batch: 66677
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	170	N	1	167	70-130	08/29/2011 0802
Benzene	50	49		1	97	70-130	08/29/2011 0802
Bromodichloromethane	50	55		1	110	70-130	08/29/2011 0802
Bromoform	50	52		1	104	70-130	08/29/2011 0802
Bromomethane (Methyl bromide)	50	36		1	72	60-140	08/29/2011 0802
2-Butanone (MEK)	100	110		1	114	60-140	08/29/2011 0802
Carbon disulfide	50	46		1	92	60-140	08/29/2011 0802
Carbon tetrachloride	50	51		1	102	70-130	08/29/2011 0802
Chlorobenzene	50	48		1	96	70-130	08/29/2011 0802
Chloroethane	50	48		1	96	42-163	08/29/2011 0802
Chloroform	50	49		1	99	70-130	08/29/2011 0802
Chloromethane (Methyl chloride)	50	53		1	107	70-130	08/29/2011 0802
Dibromochloromethane	50	46		1	93	70-130	08/29/2011 0802
1,2-Dichlorobenzene	50	48		1	97	70-130	08/29/2011 0802
1,3-Dichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,4-Dichlorobenzene	50	47		1	94	70-130	08/29/2011 0802
1,1-Dichloroethane	50	51		1	102	70-130	08/29/2011 0802
1,2-Dichloroethane	50	49		1	98	70-130	08/29/2011 0802
trans-1,2-Dichloroethene	50	48		1	96	70-130	08/29/2011 0802
1,1-Dichloroethene	50	50		1	101	70-130	08/29/2011 0802
cis-1,2-Dichloroethene	50	49		1	99	70-130	08/29/2011 0802
1,2-Dichloropropane	50	50		1	100	70-130	08/29/2011 0802
cis-1,3-Dichloropropene	50	47		1	94	70-130	08/29/2011 0802
trans-1,3-Dichloropropene	50	45		1	91	70-130	08/29/2011 0802
Ethylbenzene	50	50		1	100	70-130	08/29/2011 0802
2-Hexanone	100	110		1	115	60-140	08/29/2011 0802
Methyl tertiary butyl ether (MTBE)	50	51		1	103	70-130	08/29/2011 0802
4-Methyl-2-pentanone	100	120		1	120	60-140	08/29/2011 0802
Methylene chloride	50	47		1	94	70-130	08/29/2011 0802
Styrene	50	49		1	98	70-130	08/29/2011 0802
1,1,2,2-Tetrachloroethane	50	52		1	105	60-140	08/29/2011 0802
Tetrachloroethene	50	48		1	95	70-130	08/29/2011 0802
Toluene	50	50		1	99	70-130	08/29/2011 0802
1,2,4-Trichlorobenzene	50	49		1	98	70-130	08/29/2011 0802
1,1,2-Trichloroethane	50	49		1	97	70-130	08/29/2011 0802
1,1,1-Trichloroethane	50	49		1	98	70-130	08/29/2011 0802
Trichloroethene	50	49		1	98	70-130	08/29/2011 0802
Vinyl chloride	50	53		1	107	70-130	08/29/2011 0802
Xylenes (total)	100	100		1	102	70-130	08/29/2011 0802

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: MQ66681-001
Batch: 66681
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/29/2011 1623

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: MQ66681-002
Batch: 66681
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	120	70-130	08/29/2011 1458

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name HAA-15

Project Location Hunter Army Airfield

Laboratory Shealy Environmental

Project Manager Scott Bostian

Sampler(s)/Affiliation Jared Fino

MH2027

T=

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: VOCs					Remarks	Total
H15-MW-02D	L	8/25/11 1544		3					Please copy Trip Blank 082511 analysis to CoC with IDW Sample	3
Trip Blank 082511										

SMF 8/25/11

Total No. of Bottles/ Containers 3

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by:		Organization: ARCADIS	Date 8/25/11	Time 1730	Seal Intact?	
Received by:		Organization:	Date / /	Time	Yes	No N/A
Relinquished by:		Organization: FedEx	Date 8/26/11	Time 0900	Seal Intact?	
Received by:		Organization: FEDEX	Date 8/26/11	Time 0900	Yes	No N/A

Special Instructions/Remarks:

Temp 3.3

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex ☐ Lab Courier ☐ Other

SPECIFY

AG DS-12/01

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: LA 18/26/11 Lot #: MHX627

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other			
Yes ☒	No ☐		1. Were custody seals present on the cooler?
Yes ☒	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 3.7 °C / °C / °C / °C / °C / °C / °C / °C Method: ☒ Temperature Blank ☒ Against Bottles Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☒	No ☐	NA ☒	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☒	No ☐	NA ☒	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed?
Yes ☒	No ☐		7. Was collection date & time listed?
Yes ☒	No ☐		8. Were tests to be performed listed on the COC?
Yes ☒	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☒	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		12. Was adequate sample volume available?
Yes ☐	No ☒		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		14. Were any samples containers missing?
Yes ☐	No ☒		15. Were there any excess samples not listed on COC?
Yes ☒	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☐	NA ☒	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) 002 (2) were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

This portion can be removed for recipients records.

Date 03/25/11 FedEx Tracking Number 874197703821

Sender's Name X Allison Farry Phone 919 854-1282

Did client respond? Yes ☐ No ☐

Company ARCADIS G & M OF NC INC

Address 801 CORPORATE CENTER DR Dept/Floor/Suite/Room

RALEIGH State NC ZIP 27607-5243

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee:_____

Comments:_____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: HAA-15

Project Number: GP08HAFS.H15B.DG0F1

Lot Number: KL06005

Date Completed: 12/18/2009

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

KL06005

Case Narrative
ARCADIS U.S., Inc.
Lot Number: KL06005

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

Dilution greater than 5X impact surrogate recoveries, thus negating their usefulness concerning quality control. Sample results are reported and no corrective action is required.

The RPD for Acetone exceeded method control limits in batch 23661; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: KL06005

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-SB12A (120409)-(34-35)	Solid	12/04/2009 1100	12/05/2009
002	H15-SB12A (120409)-(42-43)	Solid	12/04/2009 1105	12/05/2009
003	H15-SB12A (120409)-(49-50)	Solid	12/04/2009 1110	12/05/2009
004	H15-SB47 (120409)-(29-30)	Solid	12/04/2009 1445	12/05/2009
005	H15-SB47 (120409)-(34-35)	Solid	12/04/2009 1450	12/05/2009
006	H15-SB47 (120409)-(42-43)	Solid	12/04/2009 1455	12/05/2009
007	H15-PB1 (120409)-(2)	Solid	12/04/2009 1615	12/05/2009
008	H15-PB2 (120409)-(2)	Solid	12/04/2009 1635	12/05/2009
009	H15-PB1 (120409)-(4.5)	Solid	12/04/2009 1620	12/05/2009
010	H15-PB2 (120409)-(5)	Solid	12/04/2009 1640	12/05/2009
011	H15-PB3 (120409)-(2)	Solid	12/04/2009 1650	12/05/2009
012	H15-PB3 (120409)-(5)	Solid	12/04/2009 1655	12/05/2009

(12 samples)

Executive Summary
ARCADIS U.S., Inc.
Lot Number: KL06005

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-SB12A (120409)-(34-	Solid	Acetone	8260B	51		ug/kg	6
001	H15-SB12A (120409)-(34-	Solid	Carbon disulfide	8260B	4.4		ug/kg	6
001	H15-SB12A (120409)-(34-	Solid	1,1-Dichloroethene	8260B	1.2	J	ug/kg	6
001	H15-SB12A (120409)-(34-	Solid	cis-1,2-Dichloroethene	8260B	210		ug/kg	6
001	H15-SB12A (120409)-(34-	Solid	trans-1,2-Dichloroethene	8260B	5.1		ug/kg	6
001	H15-SB12A (120409)-(34-	Solid	Methylcyclohexane	8260B	0.64	J	ug/kg	6
001	H15-SB12A (120409)-(34-	Solid	Trichloroethene	8260B	950		ug/kg	7
001	H15-SB12A (120409)-(34-	Solid	Vinyl chloride	8260B	0.66	J	ug/kg	7
002	H15-SB12A (120409)-(42-	Solid	Acetone	8260B	10	J	ug/kg	8
002	H15-SB12A (120409)-(42-	Solid	Carbon disulfide	8260B	4.6		ug/kg	8
002	H15-SB12A (120409)-(42-	Solid	1,1-Dichloroethene	8260B	1.4	J	ug/kg	8
002	H15-SB12A (120409)-(42-	Solid	cis-1,2-Dichloroethene	8260B	240		ug/kg	8
002	H15-SB12A (120409)-(42-	Solid	trans-1,2-Dichloroethene	8260B	6.8		ug/kg	8
002	H15-SB12A (120409)-(42-	Solid	Trichloroethene	8260B	280		ug/kg	9
002	H15-SB12A (120409)-(42-	Solid	Vinyl chloride	8260B	2.0	J	ug/kg	9
003	H15-SB12A (120409)-(49-	Solid	Benzene	8260B	0.73	J	ug/kg	10
003	H15-SB12A (120409)-(49-	Solid	1,1-Dichloroethene	8260B	2.7	J	ug/kg	10
003	H15-SB12A (120409)-(49-	Solid	trans-1,2-Dichloroethene	8260B	4.9		ug/kg	10
003	H15-SB12A (120409)-(49-	Solid	Trichloroethene	8260B	940		ug/kg	11
003	H15-SB12A (120409)-(49-	Solid	Vinyl chloride	8260B	1.4	J	ug/kg	11
004	H15-SB47 (120409)-(29-	Solid	Acetone	8260B	32		ug/kg	12
004	H15-SB47 (120409)-(29-	Solid	Carbon disulfide	8260B	8.6		ug/kg	12
004	H15-SB47 (120409)-(29-	Solid	1,1-Dichloroethene	8260B	2.3		ug/kg	12
004	H15-SB47 (120409)-(29-	Solid	cis-1,2-Dichloroethene	8260B	19		ug/kg	12
004	H15-SB47 (120409)-(29-	Solid	Trichloroethene	8260B	1700		ug/kg	13
005	H15-SB47 (120409)-(34-	Solid	Acetone	8260B	32		ug/kg	14
005	H15-SB47 (120409)-(34-	Solid	Carbon disulfide	8260B	9.5		ug/kg	14
005	H15-SB47 (120409)-(34-	Solid	1,1-Dichloroethene	8260B	3.8		ug/kg	14
005	H15-SB47 (120409)-(34-	Solid	cis-1,2-Dichloroethene	8260B	83		ug/kg	14
005	H15-SB47 (120409)-(34-	Solid	trans-1,2-Dichloroethene	8260B	2.0	J	ug/kg	14
005	H15-SB47 (120409)-(34-	Solid	Trichloroethene	8260B	1700		ug/kg	15
006	H15-SB47 (120409)-(42-	Solid	Benzene	8260B	2.8		ug/kg	16
006	H15-SB47 (120409)-(42-	Solid	Carbon disulfide	8260B	7.2		ug/kg	16
006	H15-SB47 (120409)-(42-	Solid	1,1-Dichloroethene	8260B	34		ug/kg	16
006	H15-SB47 (120409)-(42-	Solid	cis-1,2-Dichloroethene	8260B	2000		ug/kg	16
006	H15-SB47 (120409)-(42-	Solid	trans-1,2-Dichloroethene	8260B	21		ug/kg	16
006	H15-SB47 (120409)-(42-	Solid	Toluene	8260B	2.4		ug/kg	16
006	H15-SB47 (120409)-(42-	Solid	Trichloroethene	8260B	1800		ug/kg	17
006	H15-SB47 (120409)-(42-	Solid	Vinyl chloride	8260B	11		ug/kg	17
007	H15-PB1 (120409)-(2)	Solid	Lead	6010C	11		mg/kg	18
008	H15-PB2 (120409)-(2)	Solid	Lead	6010C	6.6		mg/kg	19
009	H15-PB1 (120409)-(4.5)	Solid	Lead	6010C	10		mg/kg	20
010	H15-PB2 (120409)-(5)	Solid	Lead	6010C	2.0		mg/kg	21
011	H15-PB3 (120409)-(2)	Solid	Lead	6010C	2.5		mg/kg	22
012	H15-PB3 (120409)-(5)	Solid	Lead	6010C	4.9		mg/kg	23

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(45 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-001
Description: H15-SB12A (120409)-(34-35)
Matrix: Solid
Date Sampled: 12/04/2009 1100
% Solids: 80.3 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0717	DLB		23661	10.82
2	5035	8260B	50	12/17/2009 1737	RRH		23856	10.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	51		12	3.9	ug/kg	1
Benzene	71-43-2	8260B	ND		2.9	0.63	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.9	0.98	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.9	0.40	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.9	1.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.8	1.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	4.4		2.9	0.75	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.9	1.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.9	0.98	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.9	0.75	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.9	0.48	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.9	0.58	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.9	0.39	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.9	0.86	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.9	0.98	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.9	0.49	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.9	0.98	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.9	0.98	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.9	0.98	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.9	0.92	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.9	0.42	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.9	0.58	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	1.2	J	2.9	0.98	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	210		2.9	0.44	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	5.1		2.9	0.86	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.9	0.52	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.9	0.39	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.9	0.47	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.9	0.98	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.8	0.75	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.9	0.46	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.9	0.39	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.9	0.23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.8	0.86	ug/kg	1
Methylcyclohexane	108-87-2	8260B	0.64	J	2.9	0.35	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.9	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.9	0.63	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.9	0.27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.9	1.3	ug/kg	1
Toluene	108-88-3	8260B	ND		2.9	0.98	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.9	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.9	0.98	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.9	0.49	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-001
Description: H15-SB12A (120409)-(34-35)
Matrix: Solid
Date Sampled: 12/04/2009 1100
% Solids: 80.3 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0717	DLB		23661	10.82
2	5035	8260B	50	12/17/2009 1737	RRH		23856	10.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.9	0.45	ug/kg	1
Trichloroethene	79-01-6	8260B	950		140	55	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.9	0.86	ug/kg	1
Vinyl chloride	75-01-4	8260B	0.66	J	2.9	0.49	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.9	1.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142	N	33	53-142
Bromofluorobenzene		94	47-138	N	36	47-138
Toluene-d8		103	68-124	N	33	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-002
Description: H15-SB12A (120409)-(42-43)
Matrix: Solid
Date Sampled: 12/04/2009 1105
% Solids: 74.9 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0741	DLB		23661	12.14
2	5035	8260B	50	12/17/2009 1811	RRH		23856	12.14

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	10	J	11	3.7	ug/kg	1
Benzene	71-43-2	8260B	ND		2.7	0.60	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.93	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.99	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.5	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	4.6		2.7	0.71	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.99	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.93	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.71	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.46	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.7	0.55	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.7	0.37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.82	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.93	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.47	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.93	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.93	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.93	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.88	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.7	0.40	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.55	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	1.4	J	2.7	0.93	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	240		140	21	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	6.8		2.7	0.82	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.50	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.45	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.7	0.93	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.5	0.71	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.44	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.37	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.5	0.82	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.7	0.34	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.60	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.3	ug/kg	1
Toluene	108-88-3	8260B	ND		2.7	0.93	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.93	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.47	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-002
Description: H15-SB12A (120409)-(42-43)
Matrix: Solid
Date Sampled: 12/04/2009 1105
% Solids: 74.9 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0741	DLB		23661	12.14
2	5035	8260B	50	12/17/2009 1811	RRH		23856	12.14

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.43	ug/kg	1
Trichloroethene	79-01-6	8260B	280		140	52	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.82	ug/kg	1
Vinyl chloride	75-01-4	8260B	2.0	J	2.7	0.47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.7	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142	N	29	53-142
Bromofluorobenzene		100	47-138	N	30	47-138
Toluene-d8		104	68-124	N	27	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-003
Description: H15-SB12A (120409)-(49-50)
Matrix: Solid
Date Sampled: 12/04/2009 1110
% Solids: 88.0 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0804	DLB		23661	8.68
2	5035	8260B	50	12/17/2009 1834	RRH		23856	8.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		13	4.4	ug/kg	1
Benzene	71-43-2	8260B	0.73	J	3.3	0.72	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.3	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.3	0.46	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.3	1.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.5	1.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.3	0.85	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.3	1.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.3	1.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.3	0.85	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.3	0.54	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.3	0.65	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.3	0.44	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.3	0.98	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.3	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.3	0.56	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.3	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.3	1.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.3	1.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.3	1.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.3	0.48	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.3	0.65	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	2.7	J	3.3	1.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3.3	0.50	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	4.9		3.3	0.98	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.3	0.60	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.3	0.45	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.3	0.54	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.3	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.5	0.85	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.3	0.52	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.3	0.44	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.3	0.26	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.5	0.98	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.3	0.40	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.3	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		3.3	0.72	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.3	0.31	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.3	1.5	ug/kg	1
Toluene	108-88-3	8260B	ND		3.3	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.3	1.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.3	1.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.3	0.56	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-003
Description: H15-SB12A (120409)-(49-50)
Matrix: Solid
Date Sampled: 12/04/2009 1110
% Solids: 88.0 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0804	DLB		23661	8.68
2	5035	8260B	50	12/17/2009 1834	RRH		23856	8.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.3	0.52	ug/kg	1
Trichloroethene	79-01-6	8260B	940		160	62	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.3	0.98	ug/kg	1
Vinyl chloride	75-01-4	8260B	1.4	J	3.3	0.56	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.3	1.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142	N	37	53-142
Bromofluorobenzene		98	47-138	N	39	47-138
Toluene-d8		102	68-124	N	38	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-004
Description: H15-SB47 (120409)-(29-30)
Matrix: Solid
Date Sampled: 12/04/2009 1445
% Solids: 78.4 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0827	DLB		23661	14.12
2	5035	8260B	100	12/17/2009 1531	RRH		23856	14.12

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	32		9.0	3.0	ug/kg	1
Benzene	71-43-2	8260B	ND		2.3	0.50	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.77	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.32	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.81	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.5	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	8.6		2.3	0.59	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.81	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.77	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.59	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.37	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.3	0.45	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.3	0.30	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.68	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.77	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.38	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.77	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.77	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.77	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.72	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.33	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.45	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	2.3		2.3	0.77	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	19		2.3	0.34	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.3	0.68	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.41	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.31	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.37	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.77	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.5	0.59	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.36	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.30	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.18	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.5	0.68	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.50	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.21	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.3	1.0	ug/kg	1
Toluene	108-88-3	8260B	ND		2.3	0.77	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.95	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.77	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.38	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-004
Description: H15-SB47 (120409)-(29-30)
Matrix: Solid
Date Sampled: 12/04/2009 1445
% Solids: 78.4 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0827	DLB		23661	14.12
2	5035	8260B	100	12/17/2009 1531	RRH		23856	14.12

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.36	ug/kg	1
Trichloroethene	79-01-6	8260B	1700		230	86	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.68	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.3	0.39	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.3	1.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142	N	21	53-142
Bromofluorobenzene		98	47-138	N	21	47-138
Toluene-d8		105	68-124	N	14	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-005
Description: H15-SB47 (120409)-(34-35)
Matrix: Solid
Date Sampled: 12/04/2009 1450
% Solids: 80.3 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0849	DLB		23661	9.99
2	5035	8260B	200	12/17/2009 1554	RRH		23856	9.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	32		12	4.2	ug/kg	1
Benzene	71-43-2	8260B	ND		3.1	0.69	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.1	1.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.1	0.44	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.1	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.2	1.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	9.5		3.1	0.81	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.1	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.1	1.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.1	0.81	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.1	0.52	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.1	0.62	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.1	0.42	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.1	0.94	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.1	1.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.1	0.53	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.1	1.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.1	1.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.1	1.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.1	1.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.1	0.46	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.1	0.62	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	3.8		3.1	1.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	83		3.1	0.47	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	2.0	J	3.1	0.94	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.1	0.57	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.1	0.42	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.1	0.51	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.1	1.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.2	0.81	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.1	0.50	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.1	0.42	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.1	0.25	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.2	0.94	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.1	0.38	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.1	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		3.1	0.69	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.1	0.29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.1	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		3.1	1.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.1	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.1	1.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.1	0.53	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-005
Description: H15-SB47 (120409)-(34-35)
Matrix: Solid
Date Sampled: 12/04/2009 1450
% Solids: 80.3 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0849	DLB		23661	9.99
2	5035	8260B	200	12/17/2009 1554	RRH		23856	9.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.1	0.49	ug/kg	1
Trichloroethene	79-01-6	8260B	1700		620	240	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.1	0.94	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.1	0.54	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.1	1.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142	N	23	53-142
Bromofluorobenzene		98	47-138	N	23	47-138
Toluene-d8		105	68-124	N	16	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-006
Description: H15-SB47 (120409)-(42-43)
Matrix: Solid
Date Sampled: 12/04/2009 1455
% Solids: 78.7 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0912	DLB		23661	13.53
2	5035	8260B	200	12/17/2009 1618	RRH		23856	13.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		9.4	3.1	ug/kg	1
Benzene	71-43-2	8260B	2.8		2.3	0.52	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.80	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.33	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.84	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.7	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	7.2		2.3	0.61	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.84	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.80	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.61	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.39	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.3	0.47	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.3	0.32	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.70	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.80	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.40	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.80	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.80	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.80	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.75	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.34	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.47	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	34		2.3	0.80	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2000		470	71	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	21		2.3	0.70	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.43	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.32	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.38	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.80	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.7	0.61	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.38	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.31	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.19	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.7	0.70	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.29	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.52	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.22	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.3	1.1	ug/kg	1
Toluene	108-88-3	8260B	2.4		2.3	0.80	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.99	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.80	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.40	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL06005-006
Description: H15-SB47 (120409)-(42-43)
Matrix: Solid
Date Sampled: 12/04/2009 1455
% Solids: 78.7 12/07/2009 2009
Date Received: 12/05/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/16/2009 0912	DLB		23661	13.53
2	5035	8260B	200	12/17/2009 1618	RRH		23856	13.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.37	ug/kg	1
Trichloroethene	79-01-6	8260B	1800		470	180	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.70	ug/kg	1
Vinyl chloride	75-01-4	8260B	11		2.3	0.40	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.3	1.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142	N	34	53-142
Bromofluorobenzene		102	47-138	N	36	47-138
Toluene-d8		103	68-124	N	27	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

ICP-AES

Client: ARCADIS U.S., Inc.
Description: H15-PB1 (120409)-(2)
Date Sampled: 12/04/2009 1615
Date Received: 12/05/2009

Laboratory ID: KL06005-007
Matrix: Solid
% Solids: 90.6 12/07/2009 2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	12/08/2009 1642	CDF	12/07/2009 1825	23057

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	11		0.55	0.10	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

ICP-AES

Client: ARCADIS U.S., Inc.
Description: H15-PB2 (120409)-(2)
Date Sampled: 12/04/2009 1635
Date Received: 12/05/2009

Laboratory ID: KL06005-008
Matrix: Solid
% Solids: 86.6 12/07/2009 2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	12/08/2009 1649	CDF	12/07/2009 1825	23057

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	6.6		0.57	0.11	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

ICP-AES

Client: ARCADIS U.S., Inc.
Description: H15-PB1 (120409)-(4.5)
Date Sampled: 12/04/2009 1620
Date Received: 12/05/2009

Laboratory ID: KL06005-009
Matrix: Solid
% Solids: 83.1 12/07/2009 2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	12/08/2009 1653	CDF	12/07/2009 1825	23057

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	10		0.59	0.11	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

ICP-AES

Client: ARCADIS U.S., Inc.
Description: H15-PB2 (120409)-(5)
Date Sampled: 12/04/2009 1640
Date Received: 12/05/2009

Laboratory ID: KL06005-010
Matrix: Solid
% Solids: 75.9 12/07/2009 2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	12/08/2009 1657	CDF	12/07/2009 1825	23057

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	2.0		0.65	0.12	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

ICP-AES

Client: ARCADIS U.S., Inc.
Description: H15-PB3 (120409)-(2)
Date Sampled: 12/04/2009 1650
Date Received: 12/05/2009

Laboratory ID: KL06005-011
Matrix: Solid
% Solids: 93.9 12/07/2009 2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	12/08/2009 1708	CDF	12/07/2009 1825	23057

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	2.5		0.52	0.096	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

ICP-AES

Client: ARCADIS U.S., Inc.
Description: H15-PB3 (120409)-(5)
Date Sampled: 12/04/2009 1655
Date Received: 12/05/2009

Laboratory ID: KL06005-012
Matrix: Solid
% Solids: 91.6 12/07/2009 2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	12/08/2009 1711	CDF	12/07/2009 1825	23057

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Lead	7439-92-1	6010C	4.9		0.54	0.10	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23661-001
Batch: 23661
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/16/2009 0120
Benzene	ND		1	5.0	1.1	ug/kg	12/16/2009 0120
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
Bromoform	ND		1	5.0	0.70	ug/kg	12/16/2009 0120
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/16/2009 0120
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/16/2009 0120
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/16/2009 0120
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/16/2009 0120
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
Chloroethane	ND		1	5.0	1.3	ug/kg	12/16/2009 0120
Chloroform	ND		1	5.0	0.83	ug/kg	12/16/2009 0120
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/16/2009 0120
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/16/2009 0120
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/16/2009 0120
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/16/2009 0120
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/16/2009 0120
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/16/2009 0120
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/16/2009 0120
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/16/2009 0120
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/16/2009 0120
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/16/2009 0120
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/16/2009 0120
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/16/2009 0120
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
2-Hexanone	ND		1	10	1.3	ug/kg	12/16/2009 0120
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/16/2009 0120
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/16/2009 0120
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/16/2009 0120
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/16/2009 0120
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/16/2009 0120
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/16/2009 0120
Styrene	ND		1	5.0	1.1	ug/kg	12/16/2009 0120
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/16/2009 0120
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/16/2009 0120
Toluene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/16/2009 0120
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/16/2009 0120
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/16/2009 0120
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/16/2009 0120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23661-001
Batch: 23661
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/16/2009 0120
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/16/2009 0120
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/16/2009 0120

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23661-002
Batch: 23661
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	87		1	87	42-149	12/16/2009 0011
Benzene	50	52		1	105	69-123	12/16/2009 0011
Bromodichloromethane	50	51		1	102	69-121	12/16/2009 0011
Bromoform	50	46		1	93	61-119	12/16/2009 0011
Bromomethane (Methyl bromide)	50	56		1	111	35-144	12/16/2009 0011
2-Butanone (MEK)	100	85		1	85	57-148	12/16/2009 0011
Carbon disulfide	50	58		1	116	58-122	12/16/2009 0011
Carbon tetrachloride	50	55		1	109	58-136	12/16/2009 0011
Chlorobenzene	50	53		1	105	59-129	12/16/2009 0011
Chloroethane	50	57		1	114	50-132	12/16/2009 0011
Chloroform	50	53		1	106	71-125	12/16/2009 0011
Chloromethane (Methyl chloride)	50	57		1	114	34-134	12/16/2009 0011
Cyclohexane	50	53		1	106	53-139	12/16/2009 0011
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	88	55-125	12/16/2009 0011
Dibromochloromethane	50	50		1	101	66-119	12/16/2009 0011
1,2-Dibromoethane (EDB)	50	47		1	95	74-124	12/16/2009 0011
1,4-Dichlorobenzene	50	57		1	115	52-133	12/16/2009 0011
1,3-Dichlorobenzene	50	57		1	114	51-134	12/16/2009 0011
1,2-Dichlorobenzene	50	53		1	106	57-131	12/16/2009 0011
Dichlorodifluoromethane	50	58		1	116	10-157	12/16/2009 0011
1,2-Dichloroethane	50	52		1	104	67-129	12/16/2009 0011
1,1-Dichloroethane	50	52		1	104	71-127	12/16/2009 0011
trans-1,2-Dichloroethene	50	51		1	103	68-131	12/16/2009 0011
cis-1,2-Dichloroethene	50	51		1	101	70-122	12/16/2009 0011
1,1-Dichloroethene	50	50		1	101	69-138	12/16/2009 0011
1,2-Dichloropropane	50	51		1	101	72-124	12/16/2009 0011
trans-1,3-Dichloropropene	50	52		1	103	70-124	12/16/2009 0011
cis-1,3-Dichloropropene	50	52		1	104	70-126	12/16/2009 0011
Ethylbenzene	50	54		1	108	59-128	12/16/2009 0011
2-Hexanone	100	95		1	95	54-137	12/16/2009 0011
Isopropylbenzene	50	57		1	115	50-136	12/16/2009 0011
Methyl acetate	50	48		1	96	59-137	12/16/2009 0011
Methyl tertiary butyl ether (MTBE)	50	49		1	98	72-122	12/16/2009 0011
4-Methyl-2-pentanone	100	100		1	103	60-134	12/16/2009 0011
Methylcyclohexane	50	56		1	112	41-144	12/16/2009 0011
Methylene chloride	50	49		1	97	77-129	12/16/2009 0011
Styrene	50	57		1	114	54-136	12/16/2009 0011
1,1,2,2-Tetrachloroethane	50	46		1	93	69-132	12/16/2009 0011
Tetrachloroethene	50	56		1	113	70-130	12/16/2009 0011
Toluene	50	53		1	106	61-129	12/16/2009 0011
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	53		1	105	49-136	12/16/2009 0011
1,2,4-Trichlorobenzene	50	62		1	124	34-145	12/16/2009 0011
1,1,2-Trichloroethane	50	46		1	92	55-128	12/16/2009 0011
1,1,1-Trichloroethane	50	53		1	106	63-128	12/16/2009 0011

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23661-002
Batch: 23661
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	50	57		1	115	45-138	12/16/2009 0011
Vinyl chloride	50	59		1	119	42-132	12/16/2009 0011
Xylenes (total)	100	110		1	108	58-128	12/16/2009 0011

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	47-138
1,2-Dichloroethane-d4		85	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23661-003
Batch: 23661
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110	+	1	111	24	42-149	20	12/15/2009 2347
Benzene	50	53		1	106	0.95	69-123	20	12/15/2009 2347
Bromodichloromethane	50	52		1	105	2.3	69-121	20	12/15/2009 2347
Bromoform	50	48		1	95	2.6	61-119	20	12/15/2009 2347
Bromomethane (Methyl bromide)	50	60		1	119	7.1	35-144	20	12/15/2009 2347
2-Butanone (MEK)	100	91		1	91	7.2	57-148	20	12/15/2009 2347
Carbon disulfide	50	58		1	117	1.1	58-122	20	12/15/2009 2347
Carbon tetrachloride	50	55		1	110	0.47	58-136	20	12/15/2009 2347
Chlorobenzene	50	53		1	107	1.6	59-129	20	12/15/2009 2347
Chloroethane	50	59		1	118	3.3	50-132	20	12/15/2009 2347
Chloroform	50	54		1	107	1.7	71-125	20	12/15/2009 2347
Chloromethane (Methyl chloride)	50	59		1	118	3.2	34-134	20	12/15/2009 2347
Cyclohexane	50	53		1	106	0.064	53-139	20	12/15/2009 2347
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	5.6	55-125	20	12/15/2009 2347
Dibromochloromethane	50	51		1	102	1.4	66-119	20	12/15/2009 2347
1,2-Dibromoethane (EDB)	50	48		1	96	1.8	74-124	20	12/15/2009 2347
1,4-Dichlorobenzene	50	57		1	114	0.34	52-133	20	12/15/2009 2347
1,3-Dichlorobenzene	50	57		1	115	0.22	51-134	20	12/15/2009 2347
1,2-Dichlorobenzene	50	54		1	108	1.2	57-131	20	12/15/2009 2347
Dichlorodifluoromethane	50	60		1	121	4.6	10-157	20	12/15/2009 2347
1,2-Dichloroethane	50	53		1	106	2.4	67-129	20	12/15/2009 2347
1,1-Dichloroethane	50	53		1	106	2.0	71-127	20	12/15/2009 2347
trans-1,2-Dichloroethene	50	52		1	104	1.8	68-131	20	12/15/2009 2347
cis-1,2-Dichloroethene	50	51		1	102	0.89	70-122	20	12/15/2009 2347
1,1-Dichloroethene	50	52		1	103	2.4	69-138	20	12/15/2009 2347
1,2-Dichloropropane	50	51		1	103	1.8	72-124	20	12/15/2009 2347
trans-1,3-Dichloropropene	50	53		1	106	2.4	70-124	20	12/15/2009 2347
cis-1,3-Dichloropropene	50	53		1	106	1.9	70-126	20	12/15/2009 2347
Ethylbenzene	50	55		1	109	1.4	59-128	20	12/15/2009 2347
2-Hexanone	100	99		1	99	4.6	54-137	20	12/15/2009 2347
Isopropylbenzene	50	57		1	114	0.36	50-136	20	12/15/2009 2347
Methyl acetate	50	50		1	100	4.6	59-137	20	12/15/2009 2347
Methyl tertiary butyl ether (MTBE)	50	51		1	101	3.2	72-122	20	12/15/2009 2347
4-Methyl-2-pentanone	100	110		1	110	6.1	60-134	20	12/15/2009 2347
Methylcyclohexane	50	57		1	115	2.2	41-144	20	12/15/2009 2347
Methylene chloride	50	51		1	101	3.8	77-129	20	12/15/2009 2347
Styrene	50	57		1	114	0.57	54-136	20	12/15/2009 2347
1,1,2,2-Tetrachloroethane	50	48		1	96	3.6	69-132	20	12/15/2009 2347
Tetrachloroethene	50	57		1	113	0.078	70-130	20	12/15/2009 2347
Toluene	50	54		1	108	1.8	61-129	20	12/15/2009 2347
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	109	3.1	49-136	20	12/15/2009 2347
1,2,4-Trichlorobenzene	50	63		1	125	1.3	34-145	20	12/15/2009 2347
1,1,2-Trichloroethane	50	47		1	93	1.5	55-128	20	12/15/2009 2347
1,1,1-Trichloroethane	50	54		1	108	2.0	63-128	20	12/15/2009 2347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23661-003
Batch: 23661
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichlorofluoromethane	50	58		1	116	1.3	45-138	20	12/15/2009 2347
Vinyl chloride	50	60		1	121	2.0	42-132	20	12/15/2009 2347
Xylenes (total)	100	110		1	110	1.2	58-128	20	12/15/2009 2347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		112	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23856-001
Batch: 23856
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	12/17/2009 2003
Trichloroethene	ND		50	250	95	ug/kg	12/17/2009 2003

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		117	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23856-002
Batch: 23856
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
cis-1,2-Dichloroethene	1000	1100		50	112	70-122	12/17/2009 2026
Trichloroethene	1000	1200		50	121	62-126	12/17/2009 2026

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		119	47-138
1,2-Dichloroethane-d4		109	53-142
Toluene-d8		122	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23856-003
Batch: 23856
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
cis-1,2-Dichloroethene	1000	1200		50	116	3.4	70-122	20	12/17/2009 2049
Trichloroethene	1000	1200		50	123	1.1	62-126	20	12/17/2009 2049

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		115	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		119	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MB

Sample ID: KQ23057-001
Batch: 23057
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 12/07/2009 1825

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Lead	ND		1	0.50	0.093	mg/kg	12/08/2009 1623

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCS

Sample ID: KQ23057-002
Batch: 23057
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 12/07/2009 1825

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	250	260		1	103	80-120	12/08/2009 1627

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - LCSD

Sample ID: KQ23057-003
Batch: 23057
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 12/07/2009 1825

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	250	260		1	104	0.89	80-120	20	12/08/2009 1631

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

ICP-AES - MS

Sample ID: KL06005-007MS
Batch: 23057
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 12/07/2009 1825

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	11	270	270		1	96	75-125	12/08/2009 1646

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 101471

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282/scott.bostian@arcadis-us.com	Quote No: 11954
Address: 801 Corporate Center Dr. #300	Sampler's Signature: X	Waybill No.	Page 1 of 2
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Josh Frizzell	Analysis (Attach list if more space is needed.)	
Project Name: HAA-15			
Project No.: GA08HAFS.H15B.DGOF1	P.O. No.		Lot No.: KL060005

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Air/Vapor	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Ultpres	HNO3	H2SO4	HCl	NaOH	Non-Pres	8260 VOCs	Pb	Remarks / Cooler I.D.
H15-SB12A(120409)-(34-35)	12-4-09	1100	G		X							X	5		
H15-SB12A(120409)-(42-43)	12-4-09	1105	G		X							X	5		
H15-SB12A(120409)-(49-50)	12-4-09	1110	G		X							X	5		
H15-SB47(120409)-(29-30)	12-4-09	1445	G		X							X	5		
H15-SB47(120409)-(34-35)	12-4-09	1450	G		X							X	5		
H15-SB47(120409)-(42-43)	12-4-09	1455	G		X							X	5		
H15-PB1(120409)-(2)	12-4-09	1615	G		X		X						+	1	3DS 12-4-2009
H15-PB2(120409)-(2)	12-4-09	1635	G		X		X							1	
H15-PB1(120409)-(4.5)	12-4-09	1620	G		X		X							1	
H15-PB2(120409)-(5)	12-4-09	1640	G		X		X							1	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify):

1. Relinquished by	Date	Time	1. Received by	Date	Time
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FEDEX	Date: 12/5/09	Time: 0940	3. Laboratory received by	Date: 12/5/09	Time: 0940
Comments			LAB USE ONLY: Received on ice (Circle) (Yes) No ice Pack	Receipt Temp. 4.2 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-08

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY Chain of Custody Record

Number 101472

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282/scott.bostian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Dr. #300	Sampler's Signature: X [signature]	Waybill No.	Page 2 of 2
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Josh Frizzell	Analysis (Attach list if more space is needed)	
Project Name: HAA-15			
Project No.: GP03HAFS H15B. DG0F1	P.O. No.		Lot No.: KLC6005

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	# of Containers	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	ASCB NaT	Pb	Remarks / Cooler I.D.
H15-PB3(120409)-(2)	12-4-09	1650	G		X		X						1	
H15-PB3(120409)-(5)	12-4-09	1655	G		X		X						1	

JDF 12-4-2009

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: [signature]	12-4-09	1600	1. Received by		
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FEDEX	Date 12/5/09	Time 0940	3. Laboratory received by: [signature]	Date 12/5/09	Time 0940

Comments:

LAB USE ONLY — Received on ice (Circle): (Yes) No Ice Pack — Receipt Temp. 4.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s). PINK-Field/Client Copy

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: ARCADIS Cooler Inspected by/date: pmp / 12/6/09 Lot #: KL06005

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 4.2 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/pheno/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Hunter Stewart

Project Number: GP08HAFS

Lot Number: KL04038

Date Completed: 12/16/2009



Nisreen Saikaly
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

KL04038

Case Narrative
ARCADIS U.S., Inc.
Lot Number: KL04038

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The surrogate recovery for sample -004, -008, -009, -010, 017, -018 and -019 was outside the acceptance limit. These sample were diluted. The dilution impacted the surrogate recoveries, thus negating their usefulness concerning quality control. The sample results are reported and no corrective action is required.

The RPD for Acetone and Chloroethane exceeded method control limits in batch 23151; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were reported and no corrective action was required.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: KL04038

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	H15-SB25 (120109)- (42-44)	Solid	12/01/2009 1245	12/04/2009
002	H15-SB01 (120109)- (24-25)	Solid	12/01/2009 1715	12/04/2009
003	H15-SB01 (120109)- (34-35)	Solid	12/01/2009 1720	12/04/2009
004	H15-SB01 (120109)- (42-43)	Solid	12/01/2009 1725	12/04/2009
005	H15-SB03 (120209)- (36-37)	Solid	12/02/2009 0925	12/04/2009
006	H15-SB03 (120209)- (44-45)	Solid	12/02/2009 0930	12/04/2009
007	H15-SB03 (120209)- (47-48)	Solid	12/02/2009 0945	12/04/2009
008	H15-SB03A (120209)- (34-35)	Solid	12/02/2009 1210	12/04/2009
009	H15-SB03A (120209)- (39-40)	Solid	12/02/2009 1215	12/04/2009
010	H15-SB03A (120209)- (44-45)	Solid	12/02/2009 1220	12/04/2009
011	H15-SB20 (120309)- (34-35)	Solid	12/03/2009 0915	12/04/2009
012	H15-SB20 (120309)- (39-40)	Solid	12/03/2009 0920	12/04/2009
013	H15-SB20 (120309)- (44-45)	Solid	12/03/2009 0925	12/04/2009
014	H15-SB21 (120309)- (21-22)	Solid	12/03/2009 1250	12/04/2009
015	H15-SB21 (120309)- (39-40)	Solid	12/03/2009 1255	12/04/2009
016	H15-SB21 (120309)- (44-45)	Solid	12/03/2009 1300	12/04/2009
017	H15-SB12 (120309)- (38-39)	Solid	12/03/2009 1705	12/04/2009
018	H15-SB12 (120309)- (42-43)	Solid	12/03/2009 1710	12/04/2009
019	H15-SB12 (120309)- (44-45)	Solid	12/03/2009 1715	12/04/2009

(19 samples)

Executive Summary

ARCADIS U.S., Inc.

Lot Number: KL04038

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	H15-SB25 (120109)- (42-	Solid	Acetone	8260B	33		ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	Benzene	8260B	1.9	J	ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	Carbon disulfide	8260B	8.9		ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	1,1-Dichloroethene	8260B	6.4		ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	cis-1,2-Dichloroethene	8260B	470		ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	trans-1,2-Dichloroethene	8260B	5.1		ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	Ethylbenzene	8260B	1.6	J	ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	Toluene	8260B	4.9		ug/kg	7
001	H15-SB25 (120109)- (42-	Solid	Trichloroethene	8260B	1300		ug/kg	8
001	H15-SB25 (120109)- (42-	Solid	Xylenes (total)	8260B	1.7	J	ug/kg	8
002	H15-SB01 (120109)- (24-	Solid	Acetone	8260B	20		ug/kg	9
002	H15-SB01 (120109)- (24-	Solid	cis-1,2-Dichloroethene	8260B	0.56	J	ug/kg	9
002	H15-SB01 (120109)- (24-	Solid	Trichloroethene	8260B	130		ug/kg	10
003	H15-SB01 (120109)- (34-	Solid	Acetone	8260B	26		ug/kg	11
003	H15-SB01 (120109)- (34-	Solid	Carbon disulfide	8260B	8.6		ug/kg	11
003	H15-SB01 (120109)- (34-	Solid	1,1-Dichloroethane	8260B	1.3	J	ug/kg	11
003	H15-SB01 (120109)- (34-	Solid	1,1-Dichloroethene	8260B	1.4	J	ug/kg	11
003	H15-SB01 (120109)- (34-	Solid	cis-1,2-Dichloroethene	8260B	120	J	ug/kg	11
003	H15-SB01 (120109)- (34-	Solid	trans-1,2-Dichloroethene	8260B	1.5	J	ug/kg	11
003	H15-SB01 (120109)- (34-	Solid	Trichloroethene	8260B	1500		ug/kg	12
004	H15-SB01 (120109)- (42-	Solid	Acetone	8260B	75		ug/kg	13
004	H15-SB01 (120109)- (42-	Solid	Carbon disulfide	8260B	12		ug/kg	13
004	H15-SB01 (120109)- (42-	Solid	1,1-Dichloroethane	8260B	0.72	J	ug/kg	13
004	H15-SB01 (120109)- (42-	Solid	cis-1,2-Dichloroethene	8260B	660		ug/kg	13
004	H15-SB01 (120109)- (42-	Solid	trans-1,2-Dichloroethene	8260B	10		ug/kg	13
004	H15-SB01 (120109)- (42-	Solid	Toluene	8260B	1.8	J	ug/kg	13
004	H15-SB01 (120109)- (42-	Solid	Trichloroethene	8260B	340		ug/kg	14
005	H15-SB03 (120209)- (36-	Solid	Acetone	8260B	24		ug/kg	15
005	H15-SB03 (120209)- (36-	Solid	cis-1,2-Dichloroethene	8260B	8.2		ug/kg	15
005	H15-SB03 (120209)- (36-	Solid	Trichloroethene	8260B	30		ug/kg	16
006	H15-SB03 (120209)- (44-	Solid	Carbon disulfide	8260B	2.5	J	ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	Cyclohexane	8260B	2.2	J	ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	1,1-Dichloroethane	8260B	1.2	J	ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	1,1-Dichloroethene	8260B	4.4		ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	cis-1,2-Dichloroethene	8260B	820		ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	trans-1,2-Dichloroethene	8260B	17		ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	Ethylbenzene	8260B	1.7	J	ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	Methylcyclohexane	8260B	7.7		ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	Toluene	8260B	3.5		ug/kg	17
006	H15-SB03 (120209)- (44-	Solid	Trichloroethene	8260B	5700		ug/kg	18
006	H15-SB03 (120209)- (44-	Solid	Vinyl chloride	8260B	1.4	J	ug/kg	18
006	H15-SB03 (120209)- (44-	Solid	Xylenes (total)	8260B	12		ug/kg	18
007	H15-SB03 (120209)- (47-	Solid	Acetone	8260B	35		ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	Benzene	8260B	0.69	J	ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	Carbon disulfide	8260B	6.4		ug/kg	19

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
007	H15-SB03 (120209)- (47-	Solid	Cyclohexane	8260B	7.8		ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	cis-1,2-Dichloroethene	8260B	53		ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	trans-1,2-Dichloroethene	8260B	0.99	J	ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	Ethylbenzene	8260B	2.9		ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	Methylcyclohexane	8260B	18		ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	Toluene	8260B	1.3	J	ug/kg	19
007	H15-SB03 (120209)- (47-	Solid	Xylenes (total)	8260B	23		ug/kg	20
008	H15-SB03A (120209)- (34-	Solid	Acetone	8260B	27		ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	Carbon disulfide	8260B	4.1		ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	1,1-Dichloroethane	8260B	2.1	J	ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	1,1-Dichloroethene	8260B	7.3		ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	cis-1,2-Dichloroethene	8260B	200		ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	trans-1,2-Dichloroethene	8260B	7.0		ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	Methylcyclohexane	8260B	0.66	J	ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	Toluene	8260B	3.2		ug/kg	21
008	H15-SB03A (120209)- (34-	Solid	Trichloroethene	8260B	7400		ug/kg	22
008	H15-SB03A (120209)- (34-	Solid	Vinyl chloride	8260B	1.0	J	ug/kg	22
009	H15-SB03A (120209)- (39-	Solid	Acetone	8260B	19		ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	Carbon disulfide	8260B	6.1		ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	1,1-Dichloroethane	8260B	0.82	J	ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	1,1-Dichloroethene	8260B	4.8		ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	cis-1,2-Dichloroethene	8260B	1200		ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	trans-1,2-Dichloroethene	8260B	7.5		ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	Toluene	8260B	2.6	J	ug/kg	23
009	H15-SB03A (120209)- (39-	Solid	Trichloroethene	8260B	21000		ug/kg	24
009	H15-SB03A (120209)- (39-	Solid	Vinyl chloride	8260B	1.1	J	ug/kg	24
010	H15-SB03A (120209)- (44-	Solid	Acetone	8260B	28		ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	Carbon disulfide	8260B	4.6		ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	Cyclohexane	8260B	2.8	J	ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	1,1-Dichloroethane	8260B	0.95	J	ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	1,1-Dichloroethene	8260B	10		ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	cis-1,2-Dichloroethene	8260B	2000		ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	trans-1,2-Dichloroethene	8260B	18		ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	Methylcyclohexane	8260B	2.3	J	ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	Toluene	8260B	4.2		ug/kg	25
010	H15-SB03A (120209)- (44-	Solid	Trichloroethene	8260B	7600		ug/kg	26
010	H15-SB03A (120209)- (44-	Solid	Vinyl chloride	8260B	3.0	J	ug/kg	26
010	H15-SB03A (120209)- (44-	Solid	Xylenes (total)	8260B	7.1		ug/kg	26
011	H15-SB20 (120309)- (34-	Solid	Acetone	8260B	110		ug/kg	27
011	H15-SB20 (120309)- (34-	Solid	Carbon disulfide	8260B	2.3	J	ug/kg	27
011	H15-SB20 (120309)- (34-	Solid	Methylene chloride	8260B	2.3	J	ug/kg	27
011	H15-SB20 (120309)- (34-	Solid	Trichloroethene	8260B	1.9	J	ug/kg	28
012	H15-SB20 (120309)- (39-	Solid	Acetone	8260B	53		ug/kg	29
012	H15-SB20 (120309)- (39-	Solid	Carbon disulfide	8260B	1.2	J	ug/kg	29
012	H15-SB20 (120309)- (39-	Solid	cis-1,2-Dichloroethene	8260B	0.54	J	ug/kg	29
012	H15-SB20 (120309)- (39-	Solid	Trichloroethene	8260B	2.9	J	ug/kg	30
013	H15-SB20 (120309)- (44-	Solid	Acetone	8260B	20		ug/kg	31
013	H15-SB20 (120309)- (44-	Solid	Carbon disulfide	8260B	0.84	J	ug/kg	31

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
013	H15-SB20 (120309)- (44-	Solid	Trichloroethene	8260B	1.2	J	ug/kg	32
014	H15-SB21 (120309)- (21-	Solid	Acetone	8260B	17		ug/kg	33
014	H15-SB21 (120309)- (21-	Solid	Carbon disulfide	8260B	0.93	J	ug/kg	33
014	H15-SB21 (120309)- (21-	Solid	cis-1,2-Dichloroethene	8260B	38		ug/kg	33
014	H15-SB21 (120309)- (21-	Solid	Trichloroethene	8260B	180		ug/kg	34
015	H15-SB21 (120309)- (39-	Solid	Acetone	8260B	29		ug/kg	35
015	H15-SB21 (120309)- (39-	Solid	Carbon disulfide	8260B	5.1		ug/kg	35
015	H15-SB21 (120309)- (39-	Solid	cis-1,2-Dichloroethene	8260B	2.7	J	ug/kg	35
015	H15-SB21 (120309)- (39-	Solid	Trichloroethene	8260B	3.7		ug/kg	36
016	H15-SB21 (120309)- (44-	Solid	Acetone	8260B	36		ug/kg	37
016	H15-SB21 (120309)- (44-	Solid	cis-1,2-Dichloroethene	8260B	0.71	J	ug/kg	37
017	H15-SB12 (120309)- (38-	Solid	Acetone	8260B	34		ug/kg	39
017	H15-SB12 (120309)- (38-	Solid	Carbon disulfide	8260B	2.0	J	ug/kg	39
017	H15-SB12 (120309)- (38-	Solid	1,1-Dichloroethene	8260B	1.9	J	ug/kg	39
017	H15-SB12 (120309)- (38-	Solid	cis-1,2-Dichloroethene	8260B	300		ug/kg	39
017	H15-SB12 (120309)- (38-	Solid	trans-1,2-Dichloroethene	8260B	11		ug/kg	39
017	H15-SB12 (120309)- (38-	Solid	Toluene	8260B	1.4	J	ug/kg	39
017	H15-SB12 (120309)- (38-	Solid	Trichloroethene	8260B	1600		ug/kg	40
018	H15-SB12 (120309)- (42-	Solid	Acetone	8260B	47		ug/kg	41
018	H15-SB12 (120309)- (42-	Solid	Carbon disulfide	8260B	3.8	J	ug/kg	41
018	H15-SB12 (120309)- (42-	Solid	1,1-Dichloroethene	8260B	2.8	J	ug/kg	41
018	H15-SB12 (120309)- (42-	Solid	cis-1,2-Dichloroethene	8260B	440		ug/kg	41
018	H15-SB12 (120309)- (42-	Solid	trans-1,2-Dichloroethene	8260B	14		ug/kg	41
018	H15-SB12 (120309)- (42-	Solid	Toluene	8260B	1.6	J	ug/kg	41
018	H15-SB12 (120309)- (42-	Solid	Trichloroethene	8260B	1200		ug/kg	42
018	H15-SB12 (120309)- (42-	Solid	Vinyl chloride	8260B	0.95	J	ug/kg	42
019	H15-SB12 (120309)- (44-	Solid	Acetone	8260B	50		ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	Benzene	8260B	2.7	J	ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	Carbon disulfide	8260B	2.9	J	ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	Cyclohexane	8260B	8.9		ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	1,1-Dichloroethene	8260B	7.2		ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	cis-1,2-Dichloroethene	8260B	1200		ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	trans-1,2-Dichloroethene	8260B	15		ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	Methylcyclohexane	8260B	1.4	J	ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	Toluene	8260B	4.8		ug/kg	43
019	H15-SB12 (120309)- (44-	Solid	Trichloroethene	8260B	3000		ug/kg	44
019	H15-SB12 (120309)- (44-	Solid	Vinyl chloride	8260B	2.3	J	ug/kg	44
019	H15-SB12 (120309)- (44-	Solid	Xylenes (total)	8260B	6.9		ug/kg	44

(131 detections)

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-001
Description: H15-SB25 (120109)- (42-44)
Matrix: Solid
Date Sampled: 12/01/2009 1245
% Solids: 79.5 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1812	LBS		23151	11.57
2	5035	8260B	50	12/10/2009 1810	DLB		23531	10.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	33		11	3.6	ug/kg	1
Benzene	71-43-2	8260B	1.9	J	2.7	0.60	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.92	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.98	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.4	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	8.9		2.7	0.71	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.98	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.92	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.71	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.45	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.7	0.54	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.7	0.37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.81	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.92	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.46	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.92	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.92	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.92	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.87	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.7	0.40	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.54	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	6.4		2.7	0.92	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	470		150	23	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	5.1		2.7	0.81	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.49	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.45	ug/kg	1
Ethylbenzene	100-41-4	8260B	1.6	J	2.7	0.92	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.4	0.71	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.43	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.36	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.4	0.81	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.7	0.33	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.60	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.2	ug/kg	1
Toluene	108-88-3	8260B	4.9		2.7	0.92	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.92	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.46	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-001
Description: H15-SB25 (120109)- (42-44)
Matrix: Solid
Date Sampled: 12/01/2009 1245
% Solids: 79.5 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1812	LBS		23151	11.57
2	5035	8260B	50	12/10/2009 1810	DLB		23531	10.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.43	ug/kg	1
Trichloroethene	79-01-6	8260B	1300		150	57	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.81	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.7	0.47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	1.7	J	2.7	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142		78	53-142
Bromofluorobenzene		93	47-138		72	47-138
Toluene-d8		99	68-124		76	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-002
Description: H15-SB01 (120109)- (24-25)
Matrix: Solid
Date Sampled: 12/01/2009 1715
% Solids: 80.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1836	LBS		23151	8.34
2	5035	8260B	1	12/10/2009 0139	DLB		23333	11.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	20		15	5.0	ug/kg	1
Benzene	71-43-2	8260B	ND		3.7	0.82	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.7	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.7	0.52	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.7	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.5	1.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.7	0.97	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.7	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.7	1.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.7	0.97	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.7	0.62	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.7	0.75	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.7	0.50	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.7	1.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.7	1.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.7	0.64	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.7	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.7	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.7	1.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.7	1.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.7	0.55	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.7	0.75	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.7	1.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.56	J	2.7	0.41	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.7	1.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.7	0.68	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.7	0.51	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.7	0.61	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.7	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.5	0.97	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.7	0.60	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.7	0.50	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.7	0.30	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.5	1.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.7	0.46	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.7	1.9	ug/kg	1
Styrene	100-42-5	8260B	ND		3.7	0.82	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.7	0.35	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.7	1.7	ug/kg	1
Toluene	108-88-3	8260B	ND		3.7	1.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.7	1.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.7	1.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.7	0.64	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-002
Description: H15-SB01 (120109)- (24-25)
Matrix: Solid
Date Sampled: 12/01/2009 1715
% Solids: 80.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1836	LBS		23151	8.34
2	5035	8260B	1	12/10/2009 0139	DLB		23333	11.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.7	0.59	ug/kg	1
Trichloroethene	79-01-6	8260B	130		2.7	1.0	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.7	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.7	0.64	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.7	2.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142		86	53-142
Bromofluorobenzene		100	47-138		100	47-138
Toluene-d8		101	68-124		101	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-003
Description: H15-SB01 (120109)- (34-35)
Matrix: Solid
Date Sampled: 12/01/2009 1720
% Solids: 77.8 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1859	LBS		23151	10.97
2	5035	8260B	50	12/10/2009 1834	DLB		23531	10.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	26		12	3.9	ug/kg	1
Benzene	71-43-2	8260B	ND		2.9	0.64	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.9	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.9	0.41	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.9	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.9	1.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	8.6		2.9	0.76	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.9	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.9	1.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.9	0.76	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.9	0.49	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.9	0.59	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.9	0.39	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.9	0.88	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.9	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.9	0.50	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.9	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.9	1.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.9	1.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.9	0.94	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	1.3	J	2.9	0.43	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.9	0.59	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	1.4	J	2.9	1.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	120	J	150	23	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	1.5	J	2.9	0.88	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.9	0.53	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.9	0.40	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.9	0.48	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.9	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.9	0.76	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.9	0.47	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.9	0.39	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.9	0.23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.9	0.88	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.9	0.36	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.9	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.9	0.64	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.9	0.28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.9	1.3	ug/kg	1
Toluene	108-88-3	8260B	ND		2.9	1.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.9	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.9	1.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.9	0.50	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-003
Description: H15-SB01 (120109)- (34-35)
Matrix: Solid
Date Sampled: 12/01/2009 1720
% Solids: 77.8 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1859	LBS		23151	10.97
2	5035	8260B	50	12/10/2009 1834	DLB		23531	10.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.9	0.46	ug/kg	1
Trichloroethene	79-01-6	8260B	1500		150	58	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.9	0.88	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.9	0.50	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.9	1.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142		66	53-142
Bromofluorobenzene		99	47-138		63	47-138
Toluene-d8		101	68-124		69	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-004
Description: H15-SB01 (120109)- (42-43)
Matrix: Solid
Date Sampled: 12/01/2009 1725
% Solids: 76.6 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1922	LBS		23151	9.22
2	5035	8260B	50	12/10/2009 1856	DLB		23531	9.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	75		14	4.7	ug/kg	1
Benzene	71-43-2	8260B	ND		3.5	0.78	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.5	0.50	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.5	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.1	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	12		3.5	0.92	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.5	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.5	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.5	0.92	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.5	0.59	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.5	0.71	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.5	0.48	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.5	1.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.5	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.5	0.60	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.5	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.5	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.5	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.5	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	0.72	J	3.5	0.52	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.5	0.71	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.5	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	660		170	26	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	10		3.5	1.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.5	0.64	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.5	0.48	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.5	0.58	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.5	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.1	0.92	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.5	0.57	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.5	0.47	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.5	0.28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.1	1.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.5	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.5	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.5	0.78	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.5	0.33	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.5	1.6	ug/kg	1
Toluene	108-88-3	8260B	1.8	J	3.5	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.5	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.5	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.5	0.60	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-004
Description: H15-SB01 (120109)- (42-43)
Matrix: Solid
Date Sampled: 12/01/2009 1725
% Solids: 76.6 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1922	LBS		23151	9.22
2	5035	8260B	50	12/10/2009 1856	DLB		23531	9.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.5	0.56	ug/kg	1
Trichloroethene	79-01-6	8260B	340		170	66	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.5	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.5	0.61	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.5	2.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142		69	53-142
Bromofluorobenzene		93	47-138		64	47-138
Toluene-d8		100	68-124	N	55	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-005
Description: H15-SB03 (120209)- (36-37)
Matrix: Solid
Date Sampled: 12/02/2009 0925
% Solids: 79.3 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1945	LBS		23151	13.85
2	5035	8260B	1	12/10/2009 0052	DLB		23333	12.91

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	24		9.1	3.1	ug/kg	1
Benzene	71-43-2	8260B	ND		2.3	0.50	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.3	0.77	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.3	0.32	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.3	0.82	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		4.6	1.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		2.3	0.59	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.3	0.82	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.3	0.77	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.3	0.59	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.3	0.38	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.3	0.46	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.3	0.31	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.3	0.68	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.3	0.77	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.3	0.39	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.3	0.77	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.3	0.77	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.3	0.77	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.3	0.73	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.3	0.33	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.3	0.46	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.3	0.77	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	8.2		2.4	0.37	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.3	0.68	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.3	0.41	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.3	0.31	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.3	0.37	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.3	0.77	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		4.6	0.59	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.3	0.36	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.3	0.31	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.3	0.18	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		4.6	0.68	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.3	0.28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.3	1.2	ug/kg	1
Styrene	100-42-5	8260B	ND		2.3	0.50	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.3	0.21	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.3	1.0	ug/kg	1
Toluene	108-88-3	8260B	ND		2.3	0.77	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.3	0.96	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.3	0.77	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.3	0.39	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-005
Description: H15-SB03 (120209)- (36-37)
Matrix: Solid
Date Sampled: 12/02/2009 0925
% Solids: 79.3 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 1945	LBS		23151	13.85
2	5035	8260B	1	12/10/2009 0052	DLB		23333	12.91

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.3	0.36	ug/kg	1
Trichloroethene	79-01-6	8260B	30		2.4	0.93	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.3	0.68	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.3	0.39	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.3	1.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142		73	53-142
Bromofluorobenzene		105	47-138		102	47-138
Toluene-d8		101	68-124		106	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-006
Description: H15-SB03 (120209)- (44-45)
Matrix: Solid
Date Sampled: 12/02/2009 0930
% Solids: 78.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 2008	LBS		23151	11.61
2	5035	8260B	50	12/10/2009 1919	DLB		23531	12.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		11	3.7	ug/kg	1
Benzene	71-43-2	8260B	ND		2.8	0.61	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.8	0.94	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.8	0.39	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.8	0.99	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.5	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.5	J	2.8	0.72	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.8	0.99	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.8	0.94	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.8	0.72	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.8	0.46	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.8	0.55	ug/kg	1
Cyclohexane	110-82-7	8260B	2.2	J	2.8	0.37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.8	0.83	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.8	0.94	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.8	0.47	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.8	0.94	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.8	0.94	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.8	0.94	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.8	0.88	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	1.2	J	2.8	0.40	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.8	0.55	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	4.4		2.8	0.94	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	820		120	19	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	17		2.8	0.83	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.8	0.50	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.8	0.37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.8	0.45	ug/kg	1
Ethylbenzene	100-41-4	8260B	1.7	J	2.8	0.94	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.5	0.72	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.8	0.44	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.8	0.37	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.8	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.5	0.83	ug/kg	1
Methylcyclohexane	108-87-2	8260B	7.7		2.8	0.34	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.8	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.8	0.61	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.8	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.8	1.3	ug/kg	1
Toluene	108-88-3	8260B	3.5		2.8	0.94	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.8	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.8	0.94	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.8	0.47	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-006
Description: H15-SB03 (120209)- (44-45)
Matrix: Solid
Date Sampled: 12/02/2009 0930
% Solids: 78.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 2008	LBS		23151	11.61
2	5035	8260B	50	12/10/2009 1919	DLB		23531	12.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.8	0.44	ug/kg	1
Trichloroethene	79-01-6	8260B	5700		120	47	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.8	0.83	ug/kg	1
Vinyl chloride	75-01-4	8260B	1.4	J	2.8	0.47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	12		2.8	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142		60	53-142
Bromofluorobenzene		98	47-138		50	47-138
Toluene-d8		97	68-124	N	55	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-007
Description: H15-SB03 (120209)- (47-48)
Matrix: Solid
Date Sampled: 12/02/2009 0945
% Solids: 70.6 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 2032	LBS		23151	13.02
2	5035	8260B	1	12/10/2009 0116	DLB		23333	10.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	35		11	3.6	ug/kg	1
Benzene	71-43-2	8260B	0.69	J	2.7	0.60	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.7	0.92	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.7	0.38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.7	0.98	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.4	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	6.4		2.7	0.71	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.7	0.98	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.7	0.92	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.7	0.71	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.7	0.45	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.7	0.54	ug/kg	1
Cyclohexane	110-82-7	8260B	7.8		2.7	0.37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.7	0.82	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.7	0.92	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.7	0.46	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.7	0.92	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.7	0.92	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.7	0.92	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.7	0.87	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.7	0.40	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.7	0.54	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.7	0.92	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	53		3.3	0.50	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	0.99	J	2.7	0.82	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.7	0.50	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.7	0.37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.7	0.45	ug/kg	1
Ethylbenzene	100-41-4	8260B	2.9		2.7	0.92	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.4	0.71	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.7	0.44	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.7	0.36	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.7	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.4	0.82	ug/kg	1
Methylcyclohexane	108-87-2	8260B	18		2.7	0.33	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.7	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		2.7	0.60	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.7	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.7	1.3	ug/kg	1
Toluene	108-88-3	8260B	1.3	J	2.7	0.92	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.7	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.7	0.92	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.7	0.46	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-007
Description: H15-SB03 (120209)- (47-48)
Matrix: Solid
Date Sampled: 12/02/2009 0945
% Solids: 70.6 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/09/2009 2032	LBS		23151	13.02
2	5035	8260B	1	12/10/2009 0116	DLB		23333	10.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.7	0.43	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		3.3	1.3	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.7	0.82	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.7	0.47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	23		2.7	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142		93	53-142
Bromofluorobenzene		100	47-138		103	47-138
Toluene-d8		100	68-124		102	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-008
Description: H15-SB03A (120209)- (34-35)
Matrix: Solid
Date Sampled: 12/02/2009 1210
% Solids: 79.9 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0311	DLB		23333	12.43
2	5035	8260B	50	12/10/2009 1942	DLB		23531	14.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	27		10	3.4	ug/kg	1
Benzene	71-43-2	8260B	ND		2.5	0.55	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.5	0.86	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.5	0.35	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.5	0.91	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.0	1.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	4.1		2.5	0.65	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.5	0.91	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.5	0.86	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.5	0.65	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.5	0.42	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.5	0.50	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.5	0.34	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.5	0.76	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.5	0.86	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.5	0.43	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.5	0.86	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.5	0.86	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.5	0.86	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.5	0.81	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	2.1	J	2.5	0.37	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.5	0.50	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	7.3		2.5	0.86	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	200		110	16	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	7.0		2.5	0.76	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.5	0.46	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.5	0.34	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.5	0.41	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.5	0.86	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.0	0.65	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.5	0.40	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.5	0.34	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.5	0.20	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.0	0.76	ug/kg	1
Methylcyclohexane	108-87-2	8260B	0.66	J	2.5	0.31	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.5	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		2.5	0.55	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.5	0.24	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.5	1.2	ug/kg	1
Toluene	108-88-3	8260B	3.2		2.5	0.86	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.5	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.5	0.86	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.5	0.43	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-008
Description: H15-SB03A (120209)- (34-35)
Matrix: Solid
Date Sampled: 12/02/2009 1210
% Solids: 79.9 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0311	DLB		23333	12.43
2	5035	8260B	50	12/10/2009 1942	DLB		23531	14.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.5	0.40	ug/kg	1
Trichloroethene	79-01-6	8260B	7400		110	41	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.5	0.76	ug/kg	1
Vinyl chloride	75-01-4	8260B	1.0	J	2.5	0.43	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.5	1.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142		81	53-142
Bromofluorobenzene		112	47-138		72	47-138
Toluene-d8		104	68-124		76	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-009
Description: H15-SB03A (120209)- (39-40)
Matrix: Solid
Date Sampled: 12/02/2009 1215
% Solids: 79.9 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0334	DLB		23333	11.19
2	5035	8260B	100	12/11/2009 0624	DLB		23543	11.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	19		11	3.7	ug/kg	1
Benzene	71-43-2	8260B	ND		2.8	0.61	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.8	0.95	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.8	0.39	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.8	1.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.6	1.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	6.1		2.8	0.73	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.8	1.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.8	0.95	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.8	0.73	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.8	0.46	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.8	0.56	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.8	0.38	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.8	0.84	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.8	0.95	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.8	0.48	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.8	0.95	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.8	0.95	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.8	0.95	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.8	0.89	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	0.82	J	2.8	0.41	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.8	0.56	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	4.8		2.8	0.95	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	1200		280	42	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	7.5		2.8	0.84	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.8	0.51	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.8	0.38	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.8	0.46	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.8	0.95	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.6	0.73	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.8	0.45	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.8	0.37	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.8	0.22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.6	0.84	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.8	0.34	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.8	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.8	0.61	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.8	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.8	1.3	ug/kg	1
Toluene	108-88-3	8260B	2.6	J	2.8	0.95	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.8	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.8	0.95	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.8	0.48	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-009
Description: H15-SB03A (120209)- (39-40)
Matrix: Solid
Date Sampled: 12/02/2009 1215
% Solids: 79.9 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0334	DLB		23333	11.19
2	5035	8260B	100	12/11/2009 0624	DLB		23543	11.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.8	0.44	ug/kg	1
Trichloroethene	79-01-6	8260B	21000		280	110	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		2.8	0.84	ug/kg	1
Vinyl chloride	75-01-4	8260B	1.1	J	2.8	0.48	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.8	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142	N	37	53-142
Bromofluorobenzene		101	47-138	N	36	47-138
Toluene-d8		98	68-124	N	39	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-010
Description: H15-SB03A (120209)- (44-45)
Matrix: Solid
Date Sampled: 12/02/2009 1220
% Solids: 63.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0357	DLB		23333	10.00
2	5035	8260B	50	12/11/2009 0452	DLB		23543	8.78

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	28		16	5.3	ug/kg	1
Benzene	71-43-2	8260B	ND		4.0	0.87	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.0	1.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.0	0.55	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.0	1.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.9	1.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	4.6		4.0	1.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.0	1.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.0	1.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.0	1.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.0	0.66	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.0	0.79	ug/kg	1
Cyclohexane	110-82-7	8260B	2.8	J	4.0	0.53	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.0	1.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.0	1.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.0	0.67	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.0	1.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.0	1.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.0	1.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.0	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	0.95	J	4.0	0.58	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.0	0.79	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	10		4.0	1.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2000		230	34	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	18		4.0	1.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.0	0.72	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.0	0.54	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.0	0.65	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.0	1.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.9	1.0	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.0	0.63	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.0	0.53	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.0	0.32	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.9	1.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	2.3	J	4.0	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.0	2.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.0	0.87	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.0	0.37	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.0	1.8	ug/kg	1
Toluene	108-88-3	8260B	4.2		4.0	1.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.0	1.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.0	1.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.0	0.67	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-010
Description: H15-SB03A (120209)- (44-45)
Matrix: Solid
Date Sampled: 12/02/2009 1220
% Solids: 63.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0357	DLB		23333	10.00
2	5035	8260B	50	12/11/2009 0452	DLB		23543	8.78

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.0	0.63	ug/kg	1
Trichloroethene	79-01-6	8260B	7600		230	86	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		4.0	1.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	3.0	J	4.0	0.68	ug/kg	1
Xylenes (total)	1330-20-7	8260B	7.1		4.0	2.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142	N	41	53-142
Bromofluorobenzene		101	47-138	N	42	47-138
Toluene-d8		99	68-124	N	42	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-011
Description: H15-SB20 (120309)- (34-35)
Matrix: Solid
Date Sampled: 12/03/2009 0915
% Solids: 80.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	12/10/2009 1615	DLB		23482	7.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	110		16	5.4	ug/kg	2
Benzene	71-43-2	8260B	ND		4.0	0.88	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		4.0	1.4	ug/kg	2
Bromoform	75-25-2	8260B	ND		4.0	0.56	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.0	1.4	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		8.0	1.9	ug/kg	2
Carbon disulfide	75-15-0	8260B	2.3	J	4.0	1.0	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		4.0	1.4	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		4.0	1.4	ug/kg	2
Chloroethane	75-00-3	8260B	ND		4.0	1.0	ug/kg	2
Chloroform	67-66-3	8260B	ND		4.0	0.67	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.0	0.80	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		4.0	0.54	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.0	1.2	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		4.0	1.4	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.0	0.68	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.0	1.4	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.0	1.4	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.0	1.4	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		4.0	1.3	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		4.0	0.59	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		4.0	0.80	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		4.0	1.4	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.0	0.61	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.0	1.2	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		4.0	0.73	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.0	0.55	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.0	0.66	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		4.0	1.4	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		8.0	1.0	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		4.0	0.64	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		4.0	0.54	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.0	0.32	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.0	1.2	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		4.0	0.49	ug/kg	2
Methylene chloride	75-09-2	8260B	2.3	J	4.0	2.1	ug/kg	2
Styrene	100-42-5	8260B	ND		4.0	0.88	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.0	0.38	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		4.0	1.8	ug/kg	2
Toluene	108-88-3	8260B	ND		4.0	1.4	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.0	1.7	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.0	1.4	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.0	0.68	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.0	0.63	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-011
Description: H15-SB20 (120309)- (34-35)
Matrix: Solid
Date Sampled: 12/03/2009 0915
% Solids: 80.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	12/10/2009 1615	DLB		23482	7.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	1.9	J	4.0	1.5	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		4.0	1.2	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		4.0	0.69	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		4.0	2.3	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		116	47-138
Toluene-d8		113	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-012
Description: H15-SB20 (120309)- (39-40)
Matrix: Solid
Date Sampled: 12/03/2009 0920
% Solids: 76.4 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0444	DLB		23333	10.80

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	53		12	4.1	ug/kg	1
Benzene	71-43-2	8260B	ND		3.0	0.67	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.0	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.0	0.42	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.0	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.1	1.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	1.2	J	3.0	0.79	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.0	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.0	1.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.0	0.79	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.0	0.50	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.0	0.61	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.0	0.41	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.0	0.91	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.0	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.0	0.52	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.0	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.0	1.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.0	1.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.0	0.97	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.0	0.44	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.0	0.61	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.0	1.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.54	J	3.0	0.46	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.0	0.91	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.0	0.55	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.0	0.41	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.0	0.50	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.0	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.1	0.79	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.0	0.48	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.0	0.41	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.0	0.24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.1	0.91	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.0	0.37	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.0	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		3.0	0.67	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.0	0.28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.0	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		3.0	1.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.0	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.0	1.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.0	0.52	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.0	0.48	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-012
Description: H15-SB20 (120309)- (39-40)
Matrix: Solid
Date Sampled: 12/03/2009 0920
% Solids: 76.4 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0444	DLB		23333	10.80

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.9	J	3.0	1.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.0	0.91	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.0	0.52	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.0	1.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-013
Description: H15-SB20 (120309)- (44-45)
Matrix: Solid
Date Sampled: 12/03/2009 0925
% Solids: 77.8 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0506	DLB		23333	12.41

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	20		10	3.5	ug/kg	1
Benzene	71-43-2	8260B	ND		2.6	0.57	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.6	0.88	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.6	0.36	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.6	0.93	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.2	1.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	0.84	J	2.6	0.67	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.6	0.93	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.6	0.88	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.6	0.67	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.6	0.43	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.6	0.52	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.6	0.35	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.6	0.78	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.6	0.88	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.6	0.44	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.6	0.88	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.6	0.88	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.6	0.88	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.6	0.83	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.6	0.38	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.6	0.52	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.6	0.88	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2.6	0.39	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.6	0.78	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.6	0.47	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.6	0.35	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.6	0.42	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.6	0.88	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.2	0.67	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.6	0.41	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.6	0.35	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.6	0.21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.2	0.78	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.6	0.32	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.6	1.3	ug/kg	1
Styrene	100-42-5	8260B	ND		2.6	0.57	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.6	0.24	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.6	1.2	ug/kg	1
Toluene	108-88-3	8260B	ND		2.6	0.88	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.6	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.6	0.88	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.6	0.44	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.6	0.41	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-013
Description: H15-SB20 (120309)- (44-45)
Matrix: Solid
Date Sampled: 12/03/2009 0925
% Solids: 77.8 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0506	DLB		23333	12.41

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	1.2	J	2.6	0.98	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.6	0.78	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.6	0.45	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.6	1.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-014
Description: H15-SB21 (120309)- (21-22)
Matrix: Solid
Date Sampled: 12/03/2009 1250
% Solids: 81.4 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0530	DLB		23333	10.11

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	17		12	4.1	ug/kg	1
Benzene	71-43-2	8260B	ND		3.0	0.67	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.0	1.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.0	0.43	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.0	1.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6.1	1.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	0.93	J	3.0	0.79	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.0	1.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.0	1.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.0	0.79	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.0	0.50	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.0	0.61	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.0	0.41	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.0	0.91	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.0	1.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.0	0.52	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.0	1.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.0	1.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.0	1.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.0	0.97	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.0	0.44	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.0	0.61	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.0	1.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	38		3.0	0.46	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.0	0.91	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.0	0.55	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.0	0.41	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.0	0.50	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.0	1.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6.1	0.79	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.0	0.49	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.0	0.41	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.0	0.24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6.1	0.91	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.0	0.37	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.0	1.6	ug/kg	1
Styrene	100-42-5	8260B	ND		3.0	0.67	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.0	0.29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.0	1.4	ug/kg	1
Toluene	108-88-3	8260B	ND		3.0	1.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.0	1.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.0	1.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.0	0.52	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.0	0.48	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-014
Description: H15-SB21 (120309)- (21-22)
Matrix: Solid
Date Sampled: 12/03/2009 1250
% Solids: 81.4 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0530	DLB		23333	10.11

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	180		3.0	1.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.0	0.91	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.0	0.52	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.0	1.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-015
Description: H15-SB21 (120309)- (39-40)
Matrix: Solid
Date Sampled: 12/03/2009 1255
% Solids: 81.7 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0553	DLB		23333	10.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	29		11	3.8	ug/kg	1
Benzene	71-43-2	8260B	ND		2.8	0.62	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		2.8	0.96	ug/kg	1
Bromoform	75-25-2	8260B	ND		2.8	0.39	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.8	1.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		5.6	1.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	5.1		2.8	0.73	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		2.8	1.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		2.8	0.96	ug/kg	1
Chloroethane	75-00-3	8260B	ND		2.8	0.73	ug/kg	1
Chloroform	67-66-3	8260B	ND		2.8	0.47	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.8	0.56	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		2.8	0.38	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2.8	0.85	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		2.8	0.96	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2.8	0.48	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2.8	0.96	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2.8	0.96	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2.8	0.96	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.8	0.90	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		2.8	0.41	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		2.8	0.56	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		2.8	0.96	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.7	J	2.8	0.43	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2.8	0.85	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		2.8	0.51	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2.8	0.38	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2.8	0.46	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		2.8	0.96	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		5.6	0.73	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		2.8	0.45	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		2.8	0.38	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2.8	0.23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5.6	0.85	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		2.8	0.34	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		2.8	1.5	ug/kg	1
Styrene	100-42-5	8260B	ND		2.8	0.62	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2.8	0.26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		2.8	1.3	ug/kg	1
Toluene	108-88-3	8260B	ND		2.8	0.96	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2.8	1.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2.8	0.96	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2.8	0.48	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2.8	0.45	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-015
Description: H15-SB21 (120309)- (39-40)
Matrix: Solid
Date Sampled: 12/03/2009 1255
% Solids: 81.7 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0553	DLB		23333	10.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	3.7		2.8	1.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		2.8	0.85	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		2.8	0.48	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		2.8	1.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		94	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-016
Description: H15-SB21 (120309)- (44-45)
Matrix: Solid
Date Sampled: 12/03/2009 1300
% Solids: 72.0 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0616	DLB		23333	9.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	36		14	4.9	ug/kg	1
Benzene	71-43-2	8260B	ND		3.6	0.80	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.6	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.6	0.51	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.6	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.2	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3.6	0.94	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.6	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.6	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.6	0.94	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.6	0.60	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.6	0.72	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.6	0.49	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.6	1.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.6	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.6	0.62	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.6	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.6	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.6	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.6	1.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.6	0.53	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.6	0.72	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3.6	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.71	J	3.6	0.55	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3.6	1.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.6	0.66	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.6	0.49	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.6	0.59	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.6	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.2	0.94	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.6	0.58	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.6	0.49	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.6	0.29	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.2	1.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.6	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.6	1.9	ug/kg	1
Styrene	100-42-5	8260B	ND		3.6	0.80	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.6	0.34	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.6	1.7	ug/kg	1
Toluene	108-88-3	8260B	ND		3.6	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.6	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.6	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.6	0.62	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.6	0.57	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-016
Description: H15-SB21 (120309)- (44-45)
Matrix: Solid
Date Sampled: 12/03/2009 1300
% Solids: 72.0 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0616	DLB		23333	9.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		3.6	1.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3.6	1.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.6	0.62	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.6	2.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-017
Description: H15-SB12 (120309)- (38-39)
Matrix: Solid
Date Sampled: 12/03/2009 1705
% Solids: 78.3 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0639	DLB		23333	9.14
2	5035	8260B	50	12/11/2009 0515	DLB		23543	12.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	34		14	4.7	ug/kg	1
Benzene	71-43-2	8260B	ND		3.5	0.77	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3.5	1.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		3.5	0.49	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3.5	1.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7.0	1.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.0	J	3.5	0.91	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3.5	1.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3.5	1.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3.5	0.91	ug/kg	1
Chloroform	67-66-3	8260B	ND		3.5	0.58	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3.5	0.70	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3.5	0.47	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3.5	1.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3.5	1.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3.5	0.59	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3.5	1.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3.5	1.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3.5	1.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3.5	1.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3.5	0.51	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3.5	0.70	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	1.9	J	3.5	1.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	300		130	19	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	11		3.5	1.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3.5	0.64	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3.5	0.48	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3.5	0.57	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3.5	1.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7.0	0.91	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3.5	0.56	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3.5	0.47	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3.5	0.28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7.0	1.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3.5	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3.5	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		3.5	0.77	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3.5	0.33	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		3.5	1.6	ug/kg	1
Toluene	108-88-3	8260B	1.4	J	3.5	1.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3.5	1.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3.5	1.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3.5	0.59	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-017
Description: H15-SB12 (120309)- (38-39)
Matrix: Solid
Date Sampled: 12/03/2009 1705
% Solids: 78.3 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0639	DLB		23333	9.14
2	5035	8260B	50	12/11/2009 0515	DLB		23543	12.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		3.5	0.55	ug/kg	1
Trichloroethene	79-01-6	8260B	1600		130	48	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		3.5	1.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3.5	0.60	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3.5	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142	N	46	53-142
Bromofluorobenzene		104	47-138		47	47-138
Toluene-d8		103	68-124	N	45	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-018
Description: H15-SB12 (120309)- (42-43)
Matrix: Solid
Date Sampled: 12/03/2009 1710
% Solids: 74.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0702	DLB		23333	7.46
2	5035	8260B	50	12/11/2009 0538	DLB		23543	7.06

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	47		18	6.0	ug/kg	1
Benzene	71-43-2	8260B	ND		4.5	0.99	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.5	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.5	0.63	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.5	1.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.0	2.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	3.8	J	4.5	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.5	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.5	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.5	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.5	0.75	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.5	0.90	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.5	0.61	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.5	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.5	1.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.5	0.77	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.5	1.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.5	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.5	1.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.5	1.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.5	0.66	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.5	0.90	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	2.8	J	4.5	1.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	440		240	36	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	14		4.5	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.5	0.82	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.5	0.61	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.5	0.74	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.5	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.0	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.5	0.72	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.5	0.60	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.5	0.36	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.0	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.5	0.55	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.5	2.3	ug/kg	1
Styrene	100-42-5	8260B	ND		4.5	0.99	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.5	0.42	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.5	2.1	ug/kg	1
Toluene	108-88-3	8260B	1.6	J	4.5	1.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.5	1.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.5	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.5	0.77	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-018
Description: H15-SB12 (120309)- (42-43)
Matrix: Solid
Date Sampled: 12/03/2009 1710
% Solids: 74.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0702	DLB		23333	7.46
2	5035	8260B	50	12/11/2009 0538	DLB		23543	7.06

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.5	0.71	ug/kg	1
Trichloroethene	79-01-6	8260B	1200		240	91	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		4.5	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	0.95	J	4.5	0.78	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.5	2.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142	N	37	53-142
Bromofluorobenzene		91	47-138	N	35	47-138
Toluene-d8		95	68-124	N	36	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-019
Description: H15-SB12 (120309)- (44-45)
Matrix: Solid
Date Sampled: 12/03/2009 1715
% Solids: 68.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0725	DLB		23333	9.05
2	5035	8260B	50	12/11/2009 0601	DLB		23543	7.16

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	50		16	5.4	ug/kg	1
Benzene	71-43-2	8260B	2.7	J	4.1	0.89	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.1	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.1	0.57	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.1	1.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.1	1.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	2.9	J	4.1	1.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.1	1.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.1	1.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.1	1.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.1	0.67	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.1	0.81	ug/kg	1
Cyclohexane	110-82-7	8260B	8.9		4.1	0.55	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.1	1.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.1	1.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.1	0.69	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.1	1.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.1	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.1	1.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.1	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.1	0.59	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.1	0.81	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	7.2		4.1	1.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	1200		260	39	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	15		4.1	1.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.1	0.74	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.1	0.55	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.1	0.66	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.1	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.1	1.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.1	0.65	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.1	0.54	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.1	0.32	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.1	1.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	1.4	J	4.1	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.1	2.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.1	0.89	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.1	0.38	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.1	1.9	ug/kg	1
Toluene	108-88-3	8260B	4.8		4.1	1.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.1	1.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.1	1.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.1	0.69	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KL04038-019
Description: H15-SB12 (120309)- (44-45)
Matrix: Solid
Date Sampled: 12/03/2009 1715
% Solids: 68.2 12/04/2009 1922
Date Received: 12/04/2009

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	12/10/2009 0725	DLB		23333	9.05
2	5035	8260B	50	12/11/2009 0601	DLB		23543	7.16

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.1	0.64	ug/kg	1
Trichloroethene	79-01-6	8260B	3000		260	97	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		4.1	1.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	2.3	J	4.1	0.70	ug/kg	1
Xylenes (total)	1330-20-7	8260B	6.9		4.1	2.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142	N	30	53-142
Bromofluorobenzene		103	47-138	N	28	47-138
Toluene-d8		101	68-124	N	29	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23151-001
Batch: 23151
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/09/2009 1220
Benzene	ND		1	5.0	1.1	ug/kg	12/09/2009 1220
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
Bromoform	ND		1	5.0	0.70	ug/kg	12/09/2009 1220
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/09/2009 1220
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/09/2009 1220
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/09/2009 1220
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/09/2009 1220
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
Chloroethane	ND		1	5.0	1.3	ug/kg	12/09/2009 1220
Chloroform	ND		1	5.0	0.83	ug/kg	12/09/2009 1220
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/09/2009 1220
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/09/2009 1220
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/09/2009 1220
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/09/2009 1220
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/09/2009 1220
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/09/2009 1220
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/09/2009 1220
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/09/2009 1220
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/09/2009 1220
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/09/2009 1220
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/09/2009 1220
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
2-Hexanone	ND		1	10	1.3	ug/kg	12/09/2009 1220
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/09/2009 1220
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/09/2009 1220
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/09/2009 1220
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/09/2009 1220
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/09/2009 1220
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/09/2009 1220
Styrene	ND		1	5.0	1.1	ug/kg	12/09/2009 1220
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/09/2009 1220
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/09/2009 1220
Toluene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/09/2009 1220
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 1220
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/09/2009 1220
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/09/2009 1220
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/09/2009 1220

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23151-001
Batch: 23151
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/09/2009 1220
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/09/2009 1220

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23151-002
Batch: 23151
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	134	42-149	12/09/2009 1047
Benzene	50	45		1	90	69-123	12/09/2009 1047
Bromodichloromethane	50	45		1	91	69-121	12/09/2009 1047
Bromoform	50	46		1	92	61-119	12/09/2009 1047
Bromomethane (Methyl bromide)	50	40		1	81	35-144	12/09/2009 1047
2-Butanone (MEK)	100	100		1	103	57-148	12/09/2009 1047
Carbon disulfide	50	49		1	98	58-122	12/09/2009 1047
Carbon tetrachloride	50	47		1	94	58-136	12/09/2009 1047
Chlorobenzene	50	47		1	93	59-129	12/09/2009 1047
Chloroethane	50	33		1	67	50-132	12/09/2009 1047
Chloroform	50	46		1	91	71-125	12/09/2009 1047
Chloromethane (Methyl chloride)	50	42		1	83	34-134	12/09/2009 1047
Cyclohexane	50	45		1	90	53-139	12/09/2009 1047
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	100	55-125	12/09/2009 1047
Dibromochloromethane	50	46		1	93	66-119	12/09/2009 1047
1,2-Dibromoethane (EDB)	50	44		1	89	74-124	12/09/2009 1047
1,4-Dichlorobenzene	50	48		1	96	52-133	12/09/2009 1047
1,3-Dichlorobenzene	50	49		1	98	51-134	12/09/2009 1047
1,2-Dichlorobenzene	50	48		1	97	57-131	12/09/2009 1047
Dichlorodifluoromethane	50	43		1	87	10-157	12/09/2009 1047
1,2-Dichloroethane	50	45		1	91	67-129	12/09/2009 1047
1,1-Dichloroethane	50	44		1	88	71-127	12/09/2009 1047
trans-1,2-Dichloroethene	50	45		1	90	68-131	12/09/2009 1047
1,1-Dichloroethene	50	47		1	94	69-138	12/09/2009 1047
1,2-Dichloropropane	50	44		1	88	72-124	12/09/2009 1047
trans-1,3-Dichloropropene	50	46		1	93	70-124	12/09/2009 1047
cis-1,3-Dichloropropene	50	47		1	93	70-126	12/09/2009 1047
Ethylbenzene	50	48		1	96	59-128	12/09/2009 1047
2-Hexanone	100	110		1	109	54-137	12/09/2009 1047
Isopropylbenzene	50	50		1	101	50-136	12/09/2009 1047
Methyl acetate	50	44		1	88	59-137	12/09/2009 1047
Methyl tertiary butyl ether (MTBE)	50	47		1	94	72-122	12/09/2009 1047
4-Methyl-2-pentanone	100	100		1	103	60-134	12/09/2009 1047
Methylcyclohexane	50	47		1	94	41-144	12/09/2009 1047
Methylene chloride	50	44		1	87	77-129	12/09/2009 1047
Styrene	50	49		1	99	54-136	12/09/2009 1047
1,1,2,2-Tetrachloroethane	50	48		1	97	69-132	12/09/2009 1047
Tetrachloroethene	50	47		1	95	70-130	12/09/2009 1047
Toluene	50	47		1	94	61-129	12/09/2009 1047
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	49-136	12/09/2009 1047
1,2,4-Trichlorobenzene	50	52		1	104	34-145	12/09/2009 1047
1,1,2-Trichloroethane	50	41		1	82	55-128	12/09/2009 1047
1,1,1-Trichloroethane	50	46		1	92	63-128	12/09/2009 1047
Trichlorofluoromethane	50	51		1	102	45-138	12/09/2009 1047

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23151-002
Batch: 23151
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	44		1	87	42-132	12/09/2009 1047
Xylenes (total)	100	95		1	95	58-128	12/09/2009 1047

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23151-003
Batch: 23151
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100	+	1	104	25	42-149	20	12/09/2009 1111
Benzene	50	45		1	90	0.25	69-123	20	12/09/2009 1111
Bromodichloromethane	50	46		1	92	1.2	69-121	20	12/09/2009 1111
Bromoform	50	47		1	93	0.82	61-119	20	12/09/2009 1111
Bromomethane (Methyl bromide)	50	44		1	88	9.1	35-144	20	12/09/2009 1111
2-Butanone (MEK)	100	98		1	98	4.8	57-148	20	12/09/2009 1111
Carbon disulfide	50	48		1	97	1.5	58-122	20	12/09/2009 1111
Carbon tetrachloride	50	47		1	95	1.1	58-136	20	12/09/2009 1111
Chlorobenzene	50	47		1	94	1.4	59-129	20	12/09/2009 1111
Chloroethane	50	48	+	1	95	35	50-132	20	12/09/2009 1111
Chloroform	50	47		1	93	1.9	71-125	20	12/09/2009 1111
Chloromethane (Methyl chloride)	50	40		1	80	4.6	34-134	20	12/09/2009 1111
Cyclohexane	50	45		1	90	0.14	53-139	20	12/09/2009 1111
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	97	2.6	55-125	20	12/09/2009 1111
Dibromochloromethane	50	48		1	95	2.9	66-119	20	12/09/2009 1111
1,2-Dibromoethane (EDB)	50	45		1	90	1.0	74-124	20	12/09/2009 1111
1,4-Dichlorobenzene	50	48		1	97	0.73	52-133	20	12/09/2009 1111
1,3-Dichlorobenzene	50	49		1	98	0.16	51-134	20	12/09/2009 1111
1,2-Dichlorobenzene	50	48		1	97	0.14	57-131	20	12/09/2009 1111
Dichlorodifluoromethane	50	38		1	76	13	10-157	20	12/09/2009 1111
1,2-Dichloroethane	50	46		1	91	0.67	67-129	20	12/09/2009 1111
1,1-Dichloroethane	50	44		1	88	0.28	71-127	20	12/09/2009 1111
trans-1,2-Dichloroethene	50	45		1	90	0.075	68-131	20	12/09/2009 1111
1,1-Dichloroethene	50	46		1	93	1.2	69-138	20	12/09/2009 1111
1,2-Dichloropropane	50	44		1	88	0.47	72-124	20	12/09/2009 1111
trans-1,3-Dichloropropene	50	47		1	94	1.8	70-124	20	12/09/2009 1111
cis-1,3-Dichloropropene	50	47		1	94	0.41	70-126	20	12/09/2009 1111
Ethylbenzene	50	48		1	95	0.23	59-128	20	12/09/2009 1111
2-Hexanone	100	100		1	103	4.8	54-137	20	12/09/2009 1111
Isopropylbenzene	50	51		1	102	1.3	50-136	20	12/09/2009 1111
Methyl acetate	50	43		1	86	3.1	59-137	20	12/09/2009 1111
Methyl tertiary butyl ether (MTBE)	50	47		1	94	0.047	72-122	20	12/09/2009 1111
4-Methyl-2-pentanone	100	100		1	102	1.0	60-134	20	12/09/2009 1111
Methylcyclohexane	50	46		1	92	1.8	41-144	20	12/09/2009 1111
Methylene chloride	50	44		1	89	1.5	77-129	20	12/09/2009 1111
Styrene	50	51		1	101	2.4	54-136	20	12/09/2009 1111
1,1,2,2-Tetrachloroethane	50	49		1	98	1.0	69-132	20	12/09/2009 1111
Tetrachloroethene	50	47		1	95	0.15	70-130	20	12/09/2009 1111
Toluene	50	47		1	93	0.16	61-129	20	12/09/2009 1111
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	3.5	49-136	20	12/09/2009 1111
1,2,4-Trichlorobenzene	50	52		1	104	0.54	34-145	20	12/09/2009 1111
1,1,2-Trichloroethane	50	41		1	83	1.3	55-128	20	12/09/2009 1111
1,1,1-Trichloroethane	50	47		1	93	0.76	63-128	20	12/09/2009 1111
Trichlorofluoromethane	50	52		1	103	1.4	45-138	20	12/09/2009 1111

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23151-003
Batch: 23151
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	42		1	85	2.7	42-132	20	12/09/2009 1111
Xylenes (total)	100	97		1	97	1.8	58-128	20	12/09/2009 1111

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23333-001
Batch: 23333
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/09/2009 2354
Benzene	ND		1	5.0	1.1	ug/kg	12/09/2009 2354
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
Bromoform	ND		1	5.0	0.70	ug/kg	12/09/2009 2354
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/09/2009 2354
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/09/2009 2354
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/09/2009 2354
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/09/2009 2354
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
Chloroethane	ND		1	5.0	1.3	ug/kg	12/09/2009 2354
Chloroform	ND		1	5.0	0.83	ug/kg	12/09/2009 2354
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/09/2009 2354
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/09/2009 2354
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/09/2009 2354
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/09/2009 2354
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/09/2009 2354
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/09/2009 2354
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/09/2009 2354
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/09/2009 2354
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/09/2009 2354
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/09/2009 2354
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/09/2009 2354
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/09/2009 2354
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
2-Hexanone	ND		1	10	1.3	ug/kg	12/09/2009 2354
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/09/2009 2354
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/09/2009 2354
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/09/2009 2354
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/09/2009 2354
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/09/2009 2354
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/09/2009 2354
Styrene	ND		1	5.0	1.1	ug/kg	12/09/2009 2354
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/09/2009 2354
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/09/2009 2354
Toluene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/09/2009 2354
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/09/2009 2354
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/09/2009 2354
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/09/2009 2354

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23333-001
Batch: 23333
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/09/2009 2354
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/09/2009 2354
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/09/2009 2354
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/09/2009 2354

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23333-002
Batch: 23333
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	112	42-149	12/09/2009 2210
Benzene	50	45		1	90	69-123	12/09/2009 2210
Bromodichloromethane	50	45		1	89	69-121	12/09/2009 2210
Bromoform	50	45		1	90	61-119	12/09/2009 2210
Bromomethane (Methyl bromide)	50	55		1	109	35-144	12/09/2009 2210
2-Butanone (MEK)	100	100		1	102	57-148	12/09/2009 2210
Carbon disulfide	50	49		1	98	58-122	12/09/2009 2210
Carbon tetrachloride	50	44		1	88	58-136	12/09/2009 2210
Chlorobenzene	50	47		1	93	59-129	12/09/2009 2210
Chloroethane	50	51		1	101	50-132	12/09/2009 2210
Chloroform	50	45		1	90	71-125	12/09/2009 2210
Chloromethane (Methyl chloride)	50	63		1	127	34-134	12/09/2009 2210
Cyclohexane	50	44		1	87	53-139	12/09/2009 2210
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	81	55-125	12/09/2009 2210
Dibromochloromethane	50	46		1	92	66-119	12/09/2009 2210
1,2-Dibromoethane (EDB)	50	45		1	89	74-124	12/09/2009 2210
1,4-Dichlorobenzene	50	48		1	95	52-133	12/09/2009 2210
1,3-Dichlorobenzene	50	48		1	96	51-134	12/09/2009 2210
1,2-Dichlorobenzene	50	47		1	94	57-131	12/09/2009 2210
Dichlorodifluoromethane	50	56		1	112	10-157	12/09/2009 2210
1,2-Dichloroethane	50	47		1	93	67-129	12/09/2009 2210
1,1-Dichloroethane	50	41		1	83	71-127	12/09/2009 2210
1,1-Dichloroethene	50	42		1	84	69-138	12/09/2009 2210
cis-1,2-Dichloroethene	50	42		1	85	70-122	12/09/2009 2210
trans-1,2-Dichloroethene	50	42		1	84	68-131	12/09/2009 2210
1,2-Dichloropropane	50	45		1	89	72-124	12/09/2009 2210
trans-1,3-Dichloropropene	50	45		1	90	70-124	12/09/2009 2210
cis-1,3-Dichloropropene	50	45		1	90	70-126	12/09/2009 2210
Ethylbenzene	50	47		1	93	59-128	12/09/2009 2210
2-Hexanone	100	110		1	106	54-137	12/09/2009 2210
Isopropylbenzene	50	46		1	93	50-136	12/09/2009 2210
Methyl acetate	50	48		1	96	59-137	12/09/2009 2210
Methyl tertiary butyl ether (MTBE)	50	42		1	84	72-122	12/09/2009 2210
4-Methyl-2-pentanone	100	110		1	106	60-134	12/09/2009 2210
Methylcyclohexane	50	44		1	88	41-144	12/09/2009 2210
Methylene chloride	50	41		1	82	77-129	12/09/2009 2210
Styrene	50	50		1	100	54-136	12/09/2009 2210
1,1,2,2-Tetrachloroethane	50	46		1	92	69-132	12/09/2009 2210
Tetrachloroethene	50	46		1	92	70-130	12/09/2009 2210
Toluene	50	46		1	92	61-129	12/09/2009 2210
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	88	49-136	12/09/2009 2210
1,2,4-Trichlorobenzene	50	49		1	98	34-145	12/09/2009 2210
1,1,2-Trichloroethane	50	42		1	83	55-128	12/09/2009 2210
1,1,1-Trichloroethane	50	43		1	87	63-128	12/09/2009 2210

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23333-002
Batch: 23333
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	93	62-126	12/09/2009 2210
Trichlorofluoromethane	50	50		1	101	45-138	12/09/2009 2210
Vinyl chloride	50	56		1	111	42-132	12/09/2009 2210
Xylenes (total)	100	94		1	94	58-128	12/09/2009 2210

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23333-003
Batch: 23333
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	98		1	98	13	42-149	20	12/09/2009 2233
Benzene	50	43		1	86	4.4	69-123	20	12/09/2009 2233
Bromodichloromethane	50	44		1	88	1.2	69-121	20	12/09/2009 2233
Bromoform	50	46		1	92	1.8	61-119	20	12/09/2009 2233
Bromomethane (Methyl bromide)	50	55		1	110	0.95	35-144	20	12/09/2009 2233
2-Butanone (MEK)	100	98		1	98	3.9	57-148	20	12/09/2009 2233
Carbon disulfide	50	48		1	97	1.7	58-122	20	12/09/2009 2233
Carbon tetrachloride	50	40		1	81	8.1	58-136	20	12/09/2009 2233
Chlorobenzene	50	46		1	91	2.1	59-129	20	12/09/2009 2233
Chloroethane	50	53		1	107	5.1	50-132	20	12/09/2009 2233
Chloroform	50	44		1	87	2.6	71-125	20	12/09/2009 2233
Chloromethane (Methyl chloride)	50	58		1	116	9.1	34-134	20	12/09/2009 2233
Cyclohexane	50	40		1	79	9.6	53-139	20	12/09/2009 2233
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	6.9	55-125	20	12/09/2009 2233
Dibromochloromethane	50	46		1	92	1.0	66-119	20	12/09/2009 2233
1,2-Dibromoethane (EDB)	50	45		1	91	1.7	74-124	20	12/09/2009 2233
1,4-Dichlorobenzene	50	47		1	93	2.1	52-133	20	12/09/2009 2233
1,3-Dichlorobenzene	50	48		1	95	1.2	51-134	20	12/09/2009 2233
1,2-Dichlorobenzene	50	47		1	93	0.90	57-131	20	12/09/2009 2233
Dichlorodifluoromethane	50	55		1	111	1.0	10-157	20	12/09/2009 2233
1,2-Dichloroethane	50	46		1	93	0.92	67-129	20	12/09/2009 2233
1,1-Dichloroethane	50	42		1	84	1.4	71-127	20	12/09/2009 2233
1,1-Dichloroethene	50	41		1	82	2.6	69-138	20	12/09/2009 2233
cis-1,2-Dichloroethene	50	42		1	84	0.76	70-122	20	12/09/2009 2233
trans-1,2-Dichloroethene	50	42		1	83	0.65	68-131	20	12/09/2009 2233
1,2-Dichloropropane	50	43		1	86	3.3	72-124	20	12/09/2009 2233
trans-1,3-Dichloropropene	50	45		1	90	0.089	70-124	20	12/09/2009 2233
cis-1,3-Dichloropropene	50	45		1	89	0.71	70-126	20	12/09/2009 2233
Ethylbenzene	50	45		1	90	3.0	59-128	20	12/09/2009 2233
2-Hexanone	100	100		1	104	1.3	54-137	20	12/09/2009 2233
Isopropylbenzene	50	45		1	89	4.0	50-136	20	12/09/2009 2233
Methyl acetate	50	45		1	90	6.5	59-137	20	12/09/2009 2233
Methyl tertiary butyl ether (MTBE)	50	46		1	91	8.3	72-122	20	12/09/2009 2233
4-Methyl-2-pentanone	100	100		1	104	1.2	60-134	20	12/09/2009 2233
Methylcyclohexane	50	39		1	78	12	41-144	20	12/09/2009 2233
Methylene chloride	50	43		1	86	4.8	77-129	20	12/09/2009 2233
Styrene	50	49		1	98	1.6	54-136	20	12/09/2009 2233
1,1,2,2-Tetrachloroethane	50	48		1	95	3.3	69-132	20	12/09/2009 2233
Tetrachloroethene	50	44		1	87	5.4	70-130	20	12/09/2009 2233
Toluene	50	44		1	89	3.4	61-129	20	12/09/2009 2233
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	84	3.9	49-136	20	12/09/2009 2233
1,2,4-Trichlorobenzene	50	49		1	97	0.54	34-145	20	12/09/2009 2233
1,1,2-Trichloroethane	50	42		1	85	1.7	55-128	20	12/09/2009 2233
1,1,1-Trichloroethane	50	41		1	83	5.1	63-128	20	12/09/2009 2233

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23333-003
Batch: 23333
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	43		1	86	6.8	62-126	20	12/09/2009 2233
Trichlorofluoromethane	50	50		1	101	0.12	45-138	20	12/09/2009 2233
Vinyl chloride	50	52		1	103	7.2	42-132	20	12/09/2009 2233
Xylenes (total)	100	92		1	92	2.5	58-128	20	12/09/2009 2233

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		114	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23482-001
Batch: 23482
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	12/10/2009 1404
Benzene	ND		1	5.0	1.1	ug/kg	12/10/2009 1404
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
Bromoform	ND		1	5.0	0.70	ug/kg	12/10/2009 1404
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	12/10/2009 1404
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	12/10/2009 1404
Carbon disulfide	ND		1	5.0	1.3	ug/kg	12/10/2009 1404
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	12/10/2009 1404
Chlorobenzene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
Chloroethane	ND		1	5.0	1.3	ug/kg	12/10/2009 1404
Chloroform	ND		1	5.0	0.83	ug/kg	12/10/2009 1404
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	12/10/2009 1404
Cyclohexane	ND		1	5.0	0.67	ug/kg	12/10/2009 1404
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	12/10/2009 1404
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	12/10/2009 1404
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	12/10/2009 1404
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	12/10/2009 1404
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	12/10/2009 1404
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/10/2009 1404
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	12/10/2009 1404
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	12/10/2009 1404
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	12/10/2009 1404
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	12/10/2009 1404
Ethylbenzene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
2-Hexanone	ND		1	10	1.3	ug/kg	12/10/2009 1404
Isopropylbenzene	ND		1	5.0	0.80	ug/kg	12/10/2009 1404
Methyl acetate	ND		1	5.0	0.67	ug/kg	12/10/2009 1404
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	12/10/2009 1404
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	12/10/2009 1404
Methylcyclohexane	ND		1	5.0	0.61	ug/kg	12/10/2009 1404
Methylene chloride	ND		1	5.0	2.6	ug/kg	12/10/2009 1404
Styrene	ND		1	5.0	1.1	ug/kg	12/10/2009 1404
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	12/10/2009 1404
Tetrachloroethene	ND		1	5.0	2.3	ug/kg	12/10/2009 1404
Toluene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	2.1	ug/kg	12/10/2009 1404
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	12/10/2009 1404
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	12/10/2009 1404
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	12/10/2009 1404

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23482-001
Batch: 23482
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/10/2009 1404
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	12/10/2009 1404
Vinyl chloride	ND		1	5.0	0.86	ug/kg	12/10/2009 1404
Xylenes (total)	ND		1	5.0	2.9	ug/kg	12/10/2009 1404

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23482-002
Batch: 23482
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	115	42-149	12/10/2009 1231
Benzene	50	49		1	97	69-123	12/10/2009 1231
Bromodichloromethane	50	50		1	100	69-121	12/10/2009 1231
Bromoform	50	49		1	98	61-119	12/10/2009 1231
Bromomethane (Methyl bromide)	50	65		1	131	35-144	12/10/2009 1231
2-Butanone (MEK)	100	110		1	107	57-148	12/10/2009 1231
Carbon disulfide	50	55		1	111	58-122	12/10/2009 1231
Carbon tetrachloride	50	49		1	98	58-136	12/10/2009 1231
Chlorobenzene	50	50		1	99	59-129	12/10/2009 1231
Chloroethane	50	56		1	113	50-132	12/10/2009 1231
Chloroform	50	50		1	100	71-125	12/10/2009 1231
Chloromethane (Methyl chloride)	50	63		1	126	34-134	12/10/2009 1231
Cyclohexane	50	47		1	94	53-139	12/10/2009 1231
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	55-125	12/10/2009 1231
Dibromochloromethane	50	51		1	101	66-119	12/10/2009 1231
1,2-Dibromoethane (EDB)	50	49		1	97	74-124	12/10/2009 1231
1,3-Dichlorobenzene	50	52		1	104	51-134	12/10/2009 1231
1,4-Dichlorobenzene	50	52		1	103	52-133	12/10/2009 1231
1,2-Dichlorobenzene	50	51		1	103	57-131	12/10/2009 1231
Dichlorodifluoromethane	50	64		1	127	10-157	12/10/2009 1231
1,1-Dichloroethane	50	48		1	96	71-127	12/10/2009 1231
1,2-Dichloroethane	50	52		1	103	67-129	12/10/2009 1231
cis-1,2-Dichloroethene	50	48		1	97	70-122	12/10/2009 1231
1,1-Dichloroethene	50	47		1	94	69-138	12/10/2009 1231
trans-1,2-Dichloroethene	50	48		1	97	68-131	12/10/2009 1231
1,2-Dichloropropane	50	48		1	95	72-124	12/10/2009 1231
trans-1,3-Dichloropropene	50	51		1	101	70-124	12/10/2009 1231
cis-1,3-Dichloropropene	50	50		1	99	70-126	12/10/2009 1231
Ethylbenzene	50	50		1	100	59-128	12/10/2009 1231
2-Hexanone	100	110		1	112	54-137	12/10/2009 1231
Isopropylbenzene	50	52		1	104	50-136	12/10/2009 1231
Methyl acetate	50	54		1	109	59-137	12/10/2009 1231
Methyl tertiary butyl ether (MTBE)	50	51		1	103	72-122	12/10/2009 1231
4-Methyl-2-pentanone	100	110		1	110	60-134	12/10/2009 1231
Methylcyclohexane	50	48		1	96	41-144	12/10/2009 1231
Methylene chloride	50	48		1	96	77-129	12/10/2009 1231
Styrene	50	54		1	107	54-136	12/10/2009 1231
1,1,2,2-Tetrachloroethane	50	52		1	104	69-132	12/10/2009 1231
Tetrachloroethene	50	49		1	99	70-130	12/10/2009 1231
Toluene	50	50		1	99	61-129	12/10/2009 1231
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	49-136	12/10/2009 1231
1,2,4-Trichlorobenzene	50	52		1	104	34-145	12/10/2009 1231
1,1,1-Trichloroethane	50	49		1	98	63-128	12/10/2009 1231
1,1,2-Trichloroethane	50	44		1	89	55-128	12/10/2009 1231

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23482-002
Batch: 23482
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	62-126	12/10/2009 1231
Trichlorofluoromethane	50	57		1	115	45-138	12/10/2009 1231
Vinyl chloride	50	55		1	111	42-132	12/10/2009 1231
Xylenes (total)	100	100		1	101	58-128	12/10/2009 1231

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23482-003
Batch: 23482
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	130		1	126	9.8	42-149	20	12/10/2009 1255
Benzene	50	49		1	99	1.5	69-123	20	12/10/2009 1255
Bromodichloromethane	50	51		1	102	1.7	69-121	20	12/10/2009 1255
Bromoform	50	49		1	97	0.23	61-119	20	12/10/2009 1255
Bromomethane (Methyl bromide)	50	59		1	119	9.6	35-144	20	12/10/2009 1255
2-Butanone (MEK)	100	110		1	110	2.7	57-148	20	12/10/2009 1255
Carbon disulfide	50	57		1	113	2.4	58-122	20	12/10/2009 1255
Carbon tetrachloride	50	51		1	102	3.8	58-136	20	12/10/2009 1255
Chlorobenzene	50	51		1	103	3.4	59-129	20	12/10/2009 1255
Chloroethane	50	56		1	113	0.36	50-132	20	12/10/2009 1255
Chloroform	50	51		1	103	2.7	71-125	20	12/10/2009 1255
Chloromethane (Methyl chloride)	50	64		1	129	2.3	34-134	20	12/10/2009 1255
Cyclohexane	50	49		1	98	3.9	53-139	20	12/10/2009 1255
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	9.3	55-125	20	12/10/2009 1255
Dibromochloromethane	50	51		1	102	0.64	66-119	20	12/10/2009 1255
1,2-Dibromoethane (EDB)	50	49		1	97	0.38	74-124	20	12/10/2009 1255
1,3-Dichlorobenzene	50	53		1	106	2.2	51-134	20	12/10/2009 1255
1,4-Dichlorobenzene	50	52		1	105	1.5	52-133	20	12/10/2009 1255
1,2-Dichlorobenzene	50	52		1	105	2.0	57-131	20	12/10/2009 1255
Dichlorodifluoromethane	50	69		1	138	8.3	10-157	20	12/10/2009 1255
1,1-Dichloroethane	50	46		1	92	4.0	71-127	20	12/10/2009 1255
1,2-Dichloroethane	50	52		1	105	1.3	67-129	20	12/10/2009 1255
cis-1,2-Dichloroethene	50	49		1	98	1.5	70-122	20	12/10/2009 1255
1,1-Dichloroethene	50	48		1	97	2.8	69-138	20	12/10/2009 1255
trans-1,2-Dichloroethene	50	48		1	96	1.0	68-131	20	12/10/2009 1255
1,2-Dichloropropane	50	49		1	97	2.1	72-124	20	12/10/2009 1255
trans-1,3-Dichloropropene	50	50		1	101	0.44	70-124	20	12/10/2009 1255
cis-1,3-Dichloropropene	50	50		1	100	1.2	70-126	20	12/10/2009 1255
Ethylbenzene	50	51		1	103	2.5	59-128	20	12/10/2009 1255
2-Hexanone	100	120		1	117	4.3	54-137	20	12/10/2009 1255
Isopropylbenzene	50	54		1	108	4.5	50-136	20	12/10/2009 1255
Methyl acetate	50	52		1	104	4.6	59-137	20	12/10/2009 1255
Methyl tertiary butyl ether (MTBE)	50	49		1	98	4.8	72-122	20	12/10/2009 1255
4-Methyl-2-pentanone	100	110		1	112	1.9	60-134	20	12/10/2009 1255
Methylcyclohexane	50	49		1	98	2.5	41-144	20	12/10/2009 1255
Methylene chloride	50	47		1	94	2.9	77-129	20	12/10/2009 1255
Styrene	50	55		1	110	2.6	54-136	20	12/10/2009 1255
1,1,2,2-Tetrachloroethane	50	52		1	104	0.39	69-132	20	12/10/2009 1255
Tetrachloroethene	50	51		1	101	2.6	70-130	20	12/10/2009 1255
Toluene	50	50		1	101	1.6	61-129	20	12/10/2009 1255
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	3.4	49-136	20	12/10/2009 1255
1,2,4-Trichlorobenzene	50	52		1	104	0.24	34-145	20	12/10/2009 1255
1,1,1-Trichloroethane	50	51		1	102	3.7	63-128	20	12/10/2009 1255
1,1,2-Trichloroethane	50	44		1	89	0.36	55-128	20	12/10/2009 1255

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23482-003
Batch: 23482
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	99	1.4	62-126	20	12/10/2009 1255
Trichlorofluoromethane	50	59		1	117	2.2	45-138	20	12/10/2009 1255
Vinyl chloride	50	57		1	113	2.4	42-132	20	12/10/2009 1255
Xylenes (total)	100	100		1	104	3.6	58-128	20	12/10/2009 1255

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		106	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23531-001
Batch: 23531
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	12/09/2009 0223
Trichloroethene	ND		1	5.0	1.9	ug/kg	12/09/2009 0223

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23531-002
Batch: 23531
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
cis-1,2-Dichloroethene	2500	2200		50	86	70-122	12/09/2009 0750
Trichloroethene	2500	2200		50	89	62-126	12/09/2009 0750

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		91	53-142
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23531-003
Batch: 23531
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
cis-1,2-Dichloroethene	2500	2100		50	86	0.16	70-122	20	12/09/2009 0812
Trichloroethene	2500	2300		50	90	1.0	62-126	20	12/09/2009 0812

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		92	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ23543-001
Batch: 23543
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	12/10/2009 2200
Trichloroethene	ND		50	250	95	ug/kg	12/10/2009 2200

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		71	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		80	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ23543-002
Batch: 23543
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
cis-1,2-Dichloroethene	3500	3100		50	89	70-122	12/12/2009 1002
Trichloroethene	3500	3500		50	101	62-126	12/12/2009 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		76	47-138
1,2-Dichloroethane-d4		70	53-142
Toluene-d8		82	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ23543-003
Batch: 23543
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
cis-1,2-Dichloroethene	3500	3100		50	88	0.69	70-122	20	12/12/2009 1024
Trichloroethene	3500	3500		50	99	1.4	62-126	20	12/12/2009 1024

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		76	47-138
1,2-Dichloroethane-d4		71	53-142
Toluene-d8		82	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY Chain of Custody Record

Number 101443

Client: Arcadis	Report to Contact: Scott Bostian	Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.bostian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Dr. #300	Sampler's Signature: X	Waybill No.	Page 1 of
City: Raleigh	State: NC	Zip Code: 27607	Analysis (Attach list if more space is needed.)
Project Name: HAA-15	Printed Name: Josh Frizzell / Geologist		

Project No.	P.O. No.			Matrix			No. of Containers by Preservative Type							Lot No.
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Composite G=Grab C=Composite	Aqueous	Soil	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	SOS Kit	8260 VOCs	KL04038
H15-SB25 (120109)-(42-44)	12-1-09	1245	G		X							X	5	Remarks / Cooler I.D.
H15-SB01 (120109)-(24-25)	12-1-09	1715	G		X							X	5	
H15-SB01 (120109)-(34-35)	12-1-09	1720	G		X							X	5	
H15-SB01 (120109)-(42-43)	12-1-09	1725	G		X							X	5	
H15-SB03 (120209)-(36-37)	12-2-09	0925	G		X							X	5	
H15-SB03 (120209)-(44-45)	12-2-09	0930	G		X							X	5	
H15-SB03 (120209)-(47-48)	12-2-09	0945	G		X							X	5	
H15-SB03A (120209)-(34-35)	12-2-09	1210	G		X							X	5	
H15-SB03A (120209)-(39-41)	12-2-09	1215	G		X							X	5	
H15-SB03A (120209)-(44-45)	12-2-09	1220	G		X							X	5	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify):

Relinquished by	Date	Time	Received by	Date	Time
1.	12-3-09	1800	1.		
2.			2.		
3. FEDEX	12-4-09	0822	3. Laboratory received by	12-4-09	0822

Comments:

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack

Receipt Temp. 4.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com
Level 1 Report v2.1
SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

SHEALY Chain of Custody Record

Number 101468

Client: Arcadis	Report to Contact: Scott Bastian	Telephone No. / Fax No. / E-mail: 919-854-1282 / scott.bastian@arcadis-us.com	Quote No.
Address: 801 Corporate Center Drive #300	Sampler's Signature: x	Waybill No.	Page 2 of
City: Raleigh / State: NC / Zip Code: 27607	Printed Name: Josh Frizzell	Analysis (Attach list if more space is needed.)	
Project Name: HAA-15			
Project No.: GP08HAFS.415B.DG0F1	P.O. No.		Lot No.: KL04038

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	8260 VOCs	Remarks / Cooler I.D.
H15-SB20(120309)-(34-35)	12-3-09	0915	5	
H15-SB20(120309)-(39-40)	12-3-09	0920	5	
H15-SB20(120309)-(44-45)	12-3-09	0925	5	
H15-SB21(120309)-(21-22)	12-3-09	1250	5	
H15-SB21(120309)-(39-40)	12-3-09	1255	5	
H15-SB21(120309)-(44-45)	12-3-09	1300	5	
H15-SB12(120309)-(38-39)	12-3-09	1705	5	
H15-SB12(120309)-(42-43)	12-3-09	1710	5	
H15-SB12(120309)-(44-45)	12-3-09	1715	5	

Matrix: Solid; No. of Containers by Preservative Type: Unpres.; 3-Grab / C-Composite: G

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☒ Unknown

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by	12-3-09	1800	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by FEDEX	12/4/09	0822	3. Laboratory received by	12/4/09	0822

Comments:

LAB USE ONLY: Received on ice (Circle) Yes / No Ice Pack

Receipt Temp: 4-6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s), PINK-Field/Client Copy

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SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Arcadis Cooler Inspected by/date: DMP 7/4/09 Lot #: KL04038

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes	No	NA	
☑	☐	☐	1. Were custody seals present on the cooler?
☑	☐	☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 4.6 °C / °C / °C / °C
/ °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes	No	NA	
☐	☐	☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
☑	☐	☐	4. Is the commercial courier's packing slip attached to this form?
☐	☑	☐	5. Were proper custody procedures (relinquished/received) followed?
☑	☐	☐	6. Were sample IDs listed?
☑	☐	☐	7. Was collection date & time listed?
☑	☐	☐	8. Were tests to be performed listed on the COC or was quote # provided?
☑	☐	☐	9. Did all samples arrive in the proper containers for each test?
☑	☐	☐	10. Did all container label information (ID, date, time) agree with COC?
☑	☐	☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
☑	☐	☐	12. Was adequate sample volume available?
☐	☑	☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐	☑	☐	14. Were any samples containers missing?
☐	☑	☐	15. Were there any excess samples not listed on COC?
☐	☐	☑	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
☐	☐	☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
☐	☐	☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
☐	☐	☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
☐	☐	☑	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐
SESI employee: _____ Date of response: _____
Comments: _____

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LD13007 and LE14026
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LD13007 and LE14026
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	05/21/10
REVIEW PERFORMED BY:	Rachelle Borne	05/21/10
SIGNATURE:		05/25/10
PEER REVIEW:	Dennis Capria	05/26/10

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LD13007 and LE14026
HAA-15

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
LD13007	DUP-1 (041210)	4/12/2010	H15-MW-03C (041210)
LD13007	H15-MW-02C (041210)	4/12/2010	
LD13007	H15-MW-03B (041210)	4/12/2010	
LD13007	H15-MW-03C (041210)	4/12/2010	
LD13007	H15-MW-04C (041210)	4/12/2010	
LD13007	TB-1 (041210)	4/13/2010	
LD13007	XX-13 (041210)	4/12/2010	
LE14026	DUP-1 (051310)	5/13/2010	H15-MW-07B (051310)
LE14026	H15-MW-05C (051310)	5/13/2010	
LE14026	H15-MW-06C (051310)	5/13/2010	
LE14026	H15-MW-07B (051310)	5/13/2010	
LE14026	H15-MW-07C (051310)	5/13/2010	
LE14026	TRIP BLANK(051310)	5/13/2010	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LD13007 and LE14026
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LD13007 and LE14026
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM		DQM
B. Equipment blanks	NA		NA	
C. Trip blanks	DQM		DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS) A. LCS %R		DQM		DQM
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)		DQM		DQM

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

2. Several samples required dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.

3A. SDG (LD13007) The compound methylene chloride was detected in the method blank for batches 31615 and 31703. The associated field samples were qualified as non-detect if the sample results was less than ten times the blank result.

5A. SDG (LE14026) The recoveries of the compounds carbon tetrachloride and cyclohexane were below the control limit in the LCS for batch 33911. The associated field samples analyzed in this analytical batch were qualified as estimated for these compounds.

5C. SDG (LE14026) The RPD between the LCS/LCSD pair was above the control limit for the compound tetrachloroethane in batch 33911. The associated field samples analyzed in this analytical batch were qualified as estimated for this compound.

7. SDG (LD13007) Sample location DUP-1(041210) was collected as a field duplicate of H15-MW-03C. The RPDs were acceptable at less than 40%.

SDG (LE14026) Sample location DUP-1(051310) was collected as a field duplicate of H15-MW-07B(051310). The RPD for carbon disulfide was above the control limit. The parent and the duplicate were qualified as estimated for this compound.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL2003
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL2003
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	02/16/10
REVIEW PERFORMED BY:	Rachelle Borne	02/21/10
SIGNATURE:		02/22/10
PEER REVIEW:	Dennis Capria	02/22/10

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL2003
HAA-15

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KL20003	H15-SB03C(121809)-(34-35)	12/18/2009	
KL20003	H15-SB03C(121809)-(39-40)	12/18/2009	
KL20003	H15-SB03C(121809)-(44-45)	12/18/2009	
KL20003	H15-SEP01(121809)-(22-23)	12/18/2009	
KL20003	H15-SEP01(121809)-(38-39)	12/18/2009	
KL20003	H15-SEP01(121809)-(44-45)	12/18/2009	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL2003
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

All soils were reported on a dry weight basis.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL2003
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation		DQM		DQM
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks	NA		NA	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS) A. LCS %R		DQM		DQM
B. LCS duplicate (LCSD) %R		DQM		DQM
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

1. The 100x dilution of sample location H15-SB03C(121809)-(39-40) was analyzed 4 days beyond the 14 day recommended holding time. All results reported from this dilution were qualified as estimated.

2. Several samples required dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.

5. The RPD between the LCS/LCSD pair was greater than the control limit for 2-Butanone in batch 24773. The associated field samples were qualified as estimated for this compound. See the attached qualification summary for details of the qualifications.

   Several recoveries and RPDs were outside the control limit in batch 24676. The associated field samples were qualified as estimated for these compounds. See attached qualification summary for details of the qualifications.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MG26023, MH11018, MH12008, MH13005, MH18016, MH23016, MH24010, MH25003 and MH26027
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MG26023, MH11018, MH12008, MH13005, MH18016, MH23016, MH24010, MH25003 and MH26027
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	09/19/11
REVIEW PERFORMED BY:	Rachelle Borne	09/21/11
SIGNATURE:		09/22/11
PEER REVIEW:	Dennis Capria	09/23/11

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MG26023, MH11018, MH12008, MH13005, MH18016, MH23016, MH24010, MH25003 and MH26027
HAA-15

The following samples were included in this validation:

SDG	Sample ID	Sample Date	Parent Sample
MG26023	H15-MW-02D-VAP(55-59)	7/22/2011	
MG26023	H15-MW-02D-VAP(64-68)	7/22/2011	
MG26023	Trip Blank(072211)	7/26/2011	
MH11018	H15-MW-16B(081011)	8/10/2011	
MH12008	H15-MW-10C(081111)	8/11/2011	
MH12008	H15-MW-14B(081111)	8/11/2011	
MH12008	H15-MW-14C(081111)	8/11/2011	
MH12008	Trip Blank_20110811	8/11/2011	
MH13005	H15-MW-13C (081211)	8/12/2011	
MH18016	H15-MW-02E (102-104)	8/18/2011	
MH18016	H15-MW-02E (107-109)	8/18/2011	
MH18016	H15-MW-02E (112-114)	8/18/2011	
MH18016	H15-MW-02E (116-118)	8/18/2011	
MH18016	H15-MW-02E (72-74')	8/17/2011	
MH18016	H15-MW-02E (77-79')	8/17/2011	
MH18016	H15-MW-02E (82-84')	8/17/2011	
MH18016	H15-MW-02E (87-89')	8/17/2011	
MH18016	H15-MW-02E (92-94')	8/17/2011	
MH18016	H15-MW-02E (97-99')	8/18/2011	
MH18016	H15-MW-09C_20110818	8/18/2011	
MH18016	H15-MW-11C_20110818	8/18/2011	
MH18016	H15-MW-15B_20110819	8/19/2011	
MH18016	H15-MW-15C_20110819	8/19/2011	
MH18016	H15-MW-17B_20110817	8/17/2011	
MH18016	H15-MW-18B_20110818	8/18/2011	
MH18016	H15-MW-19B_20110818	8/18/2011	
MH18016	TRIP BLANK (081711)	8/17/2011	
MH18016	Trip Blank (081811)	8/18/2011	
MH18016	Trip Blank (081911)	8/19/2011	
MH23016	H15-MW-20E()101-103)	8/22/2011	
MH23016	H15-MW-20E(106-108)	8/22/2011	
MH23016	H15-MW-20E(111-113)	8/22/2011	
MH23016	H15-MW-20E(116-118)	8/22/2011	
MH23016	H15-MW-20E(46-48)	8/21/2011	
MH23016	H15-MW-20E(51-53)	8/21/2011	
MH23016	H15-MW-20E(56-58)	8/21/2011	
MH23016	H15-MW-20E(61-63)	8/21/2011	
MH23016	H15-MW-20E(66-68)	8/21/2011	
MH23016	H15-MW-20E(71-73)	8/21/2011	
MH23016	H15-MW-20E(76-78)	8/21/2011	
MH23016	H15-MW-20E(81-83)	8/21/2011	
MH23016	H15-MW-20E(86-88)	8/22/2011	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MG26023, MH11018, MH12008, MH13005, MH18016, MH23016, MH24010, MH25003 and MH26027
HAA-15

SDG	Sample ID	Sample Date	Parent Sample
MH23016	H15-MW-20E(91-93)	8/22/2011	
MH23016	H15-MW-20E(96-98)	8/22/2011	
MH23016	Trip Blank(082211)	8/22/2011	
MH24010	H15-MW-02E(119-121)	8/23/2011	
MH24010	H15-MW-12C_20110823	8/23/2011	
MH24010	Trip Blank_20110823	8/23/2011	
MH25003	H15-MW-02E(123-125)	8/23/2011	
MH25003	H15-MW-08C_20110824	8/24/2011	
MH26027	H15-MW-02D_20110825	8/25/2011	
MH26027	Trip Blank 082511	8/25/2011	
MI10009	H15-MW-02E_20110908	9/8/2011	
MI10009	H15-MW-20E_20110909	9/9/2011	
MI10009	TRIP BLANK (090611)	9/9/2011	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MG26023, MH11018, MH12008, MH13005, MH18016, MH23016, MH24010, MH25003 and MH26027
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDGs: MG26023, MH11018, MH12008, MH13005, MH18016, MH23016, MH24010, MH25003 and MH26027
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM		DQM
B. Equipment blanks	NA		NA	
C. Trip blanks	DQM		DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS) A. LCS %R		DQM		DQM
B. LCS duplicate (LCSD) %R		DQM		DQM
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field/Lab Duplicate precision (RPD)		M		M

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

2. Several samples were analyzed at dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.

3A. SDG (MH18016) The compound 2-hexanone was detected in the method blank for batch 66029. The associated field samples were non-detect for this compound; therefore, qualification of the data was not warranted.

SDG (MH23016) The compound acetone was detected in the method blank for batch 66464. The associated field samples were qualified as non-detect for this compound if the sample concentrations were less than ten times the blank values. The compound 2-hexanone was detected in the method blanks for batch 660586 and 66652. The associated field samples were non-detect for this compound; therefore, qualification of the data was not warranted.

SDGs (MH24010 and MH25003) The compound 2-hexanone was detected in the method blank for batch 66586 and 4-methyl-2-pentanone was detected in the method blank for batch 66671. The associated field samples were non-detect for these compounds; therefore, qualification of the data was not warranted.

3C. SDG (MG26023) The compounds bromodichloromethane, chloroform and dibromochloromethane were detected in the trip blank. The associated field samples were non-detect for these compounds; therefore, qualification of the data was not warranted.

SDG (MH18016) The compound methylene chloride was detected in the trip blanks collected on 08/1711 and 08/18/11. The associated field samples were non-detect for this compound; therefore, qualification of the data was not warranted.

SDG (MH23016) The compound methylene chloride was detected in the trip blank. The associated field samples were non-detect for this compound; therefore, qualification of the data was not warranted.

5. SDG (MH18016) The recovery of the compound methylene chloride was below the control limit in the LCS and the LCSD for batch 66167. The associate field samples were qualified as estimated for methylene chloride.

SDG (MH18016) The recovery of acetone was above the control limit in the LCS for batches 66218 and 66224. The associated field samples were non-detect for this compound; therefore, qualification of the data was not warranted.

SDG (MH18016) The RPD between the LCS/LCSD pair was above the control limit for bromomethane for batch 66224. The associated field samples were qualified as estimated for this compound.

SDGs (MH23016, MH25003, MH26027) The RPD between the LCS/LCSD pair was above the control limit for trichloroethene for batch 66672. The associated field samples were qualified as estimated for this compound. The recovery of acetone was above the control limit in the LCS for batch 66677. The associated field sample was non-detect for this compound; therefore, qualification of the data was not warranted.

SDG (MH24010) The recoveries of chloromethane and vinyl chloride were above the control limit in the LCS and/or the LCSD for batch 66505. The associated field samples were non-detect for this compound; therefore, qualification of the data was not warranted.

6. SDG (MH18016) Sample location H15-MW-02E(97-99) was used as the MS. The recoveries of trans-1,3-dichloropropene, cis-1,3-dichloropropene and methyl acetate were below the control limit. The parent sample was qualified as estimated for these compounds.

SDG (MH23016) Sample location H15-MW-20E(71-73) was used as the MS. The recoveries of acetone and carbon disulfide were above the control limit in the MS. These compounds were detected in the parent sample and qualified as estimated. The recovery of 1,2,4-trichlorobenzene was below the control limit in the MS. The parent sample was qualified as estimated for this compound.

SDG (MH24010) Sample location H15-MW-12C was used as the MS. Several MS recoveries were outside the control limit. The parent sample was qualified as estimated when applicable. See the attached qualification summary for details of the qualifications.

7. SDG (MH18016) Sample location H15-MW-02E(92-94) was used as the laboratory duplicate. The RPDs were acceptable.

SDG (MH23016) Sample location H15-MW-20E(66-38) was used as the laboratory duplicate. The RPDs for acetone and carbon disulfide were above the laboratory control limit. The parent sample was qualified as estimated for these compounds.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB04013
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB04013
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	05/21/10
REVIEW PERFORMED BY:	Rachelle Borne	05/21/10
SIGNATURE:		05/26/10
PEER REVIEW:	Dennis Capria	05/26/10

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB04013
HAA-15

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
LB04013	H15-MW-01B (020310)	2/3/2010	
LB04013	H15-MW-01C (020310)	2/3/2010	
LB04013	H15-MW-02B (020410)	2/4/2010	
LB04013	HGL-10B (020210)	2/2/2010	
LB04013	HGL-10C (020210)	2/2/2010	
LB04013	HGL-11B (020210)	2/2/2010	
LB04013	HGL-11C (020210)	2/2/2010	
LB04013	HGL-1B (020210)	2/2/2010	
LB04013	HGL-1C (020210)	2/2/2010	
LB04013	HGL-4B (020210)	2/2/2010	
LB04013	HGL-4C (020210)	2/2/2010	
LB04013	HGL-5B (020310)	2/3/2010	
LB04013	HGL-5C (020310)	2/3/2010	
LB04013	HGL-6B (020410)	2/4/2010	
LB04013	HGL-6C (020410)	2/4/2010	
LB04013	HGL-7B (020410)	2/4/2010	
LB04013	HGL-7C (020410)	2/4/2010	
LB04013	HGL-8B (020210)	2/2/2010	
LB04013	HGL-8C (020210)	2/2/2010	
LB04013	HGL-9B (020310)	2/3/2010	
LB04013	HGL-9C (020310)	2/3/2010	
LB04013	TB-01 (020410)	2/4/2010	
LB04013	TB-02 (020310)	2/2/2010	
LB04013	XX-12 (020310)	2/3/2010	
LB04013	XX-15 (020210)	2/2/2010	
LB04013	XX-17 (020410)	2/4/2010	
LB04013	XX-18 (020310)	2/3/2010	
LB04013	XX-19 (020410)	2/4/2010	
LB04013	XX-21 (020410)	2/4/2010	
LB04013	XX-25 (020310)	2/3/2010	
LB04013	XX-26 (1-S) (020310)	2/3/2010	
LB04013	XX-26 (3-D) (020310)	2/3/2010	
LB04013	DUP2-H15 (020310)	2/3/2010	HGL-5C (020310)
LB04013	DUP3-H15 (020210)	2/2/2010	HGL-8C (020210)
LB04013	DUP-H15 (020210)	2/2/2010	HGL-4C (020210)

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB04013
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LB04013
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks		DQM		DQM
B. Equipment blanks	NA		NA	
C. Trip blanks		DQM		DQM
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS) A. LCS %R		DQM		DQM
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R		DQM		DQM
B. MS duplicate (MSD) %R		DQM		DQM
C. MS/MSD precision (RPD)		DQM		DQM
7. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

2. Several samples required dilutions due to elevated concentrations of target analytes. There were elevated reporting limits for non-detect results.

3A. The compounds benzene, toluene and xylenes were detected in the method blank for batch 27091. The associated field samples were qualified as non-detect for these compounds if the sample results were less than five times the blank results.

3C. The compound acetone was detected in both trip blanks. The associated field samples were qualified as non-detect for acetone if the sample results were less than ten times the blank result.

5A. The recovery of dichlorodifluoromethane was below the control limit in the LCS for batch 27307. The associated field samples analyzed in this analytical batch were qualified as estimated for this compound.

5C. The RPD between the LCS/LCSD pair was above the control limit for dichlorodifluoromethane and acetone. The associated field samples analyzed in this analytical batch were qualified as estimated for these compounds.

6. Sample location HGL-10C(020210) was used as the MS/MSD. The recoveries of several compounds were below the control limit in the MS and the MSD. The parent sample was qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.

Sample location HGL-7B(020410) was used as the MS/MSD. The recoveries of acetone and cyclohexane were below the control limit in the MS and/or the MSD. The RPD between the MS/MSD pair was above the control limit for cyclohexane. The parent sample was qualified as estimated for these compounds.

7. Sample location DUP-H15(020310) was collected as a field duplicate of HGL-4C(020210). The RPDs were acceptable at less than 40%.

   Sample location DUP2-H15(020210) was collected as a field duplicate of HGL-5C(020310). The RPDs were acceptable at less than 40%.

   Sample location DUP3-H15(020210) was collected as a field duplicate of HGL-8C(020210). The RPDs were acceptable at less than 40%.

METALS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
5. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
6. Field Duplicate precision (RPD)	DQM		DQM	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 6010C.

6. SDG (LB18061) Sample location DUP-2(021710) was collected as a field duplicate of AT-MW-3(2-17-10). The RPDs were acceptable at less than 40%.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL06005
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL06005
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	01/18/10
REVIEW PERFORMED BY:	Rachelle Borne	01/19/10
SIGNATURE:		01/20/10
PEER REVIEW:	Dennis Capria	02/04/02

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL06005
HAA-15

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KL06005	H15-PB1 (120409)-(2)	12/4/2009	
KL06005	H15-PB1 (120409)-(4.5)	12/4/2009	
KL06005	H15-PB2 (120409)-(2)	12/4/2009	
KL06005	H15-PB2 (120409)-(5)	12/4/2009	
KL06005	H15-PB3 (120409)-(2)	12/4/2009	
KL06005	H15-PB3 (120409)-(5)	12/4/2009	
KL06005	H15-SB12A (120409)-(34-35)	12/4/2009	
KL06005	H15-SB12A (120409)-(42-43)	12/4/2009	
KL06005	H15-SB12A (120409)-(49-50)	12/4/2009	
KL06005	H15-SB47 (120409)-(29-30)	12/4/2009	
KL06005	H15-SB47 (120409)-(34-35)	12/4/2009	
KL06005	H15-SB47 (120409)-(42-43)	12/4/2009	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL06005
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

All soil samples were reported on dry weight basis.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL06005
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks	NA		NA	
4. Surrogate spike recoveries		DQM		DQM
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260.

2. Several samples required dilutions due to elevated concentrations of target analytes. There were no elevated reporting limits for non-detect results.

4. The three surrogate recoveries were less than the control limit in the 50x dilutions of H15-SB12A(120409)-(34-35), H15-SB12A(120409)-(42-43), and H15-SB12A(120409)-(49-50). All results reported from these dilutions were qualified as estimated. See the attached qualification summary for details of the qualifications.

   The three surrogate recoveries were less than the control limit in the 100x dilution of H15-SB47(120409)-(29-30) and the 200x dilutions of H15-SB47(120409)-(34-35) and H15-SB47(120409)-42-43). All results reported from these dilutions were qualified as estimated. See the attached qualification summary for details of the qualifications.

5C. The RPD between the LCS/LCSD pair was greater than the control limit for acetone. The associated field samples are qualified as estimated for acetone. See the attached qualification summary for details of the qualifications.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL06005
HAA-15

METALS - Lead

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
4. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
5. Matrix spike (MS)				
A. MS %R	DQM		DQM	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
6. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Methods 6010C.

5A. Sample location H15-PB1(120409)-(2) was used as the MS. The recovery was acceptable.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL04038
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL04038
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	01/27/10
REVIEW PERFORMED BY:	Rachelle Borne	01/27/10
SIGNATURE:		01/29/10
PEER REVIEW:	Dennis Capria	02/03/10

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL04038
HAA-15

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
KL04038	H15-SB01 (120109)- (24-25)	12/1/2009	
KL04038	H15-SB01 (120109)- (34-35)	12/1/2009	
KL04038	H15-SB01 (120109)- (42-43)	12/1/2009	
KL04038	H15-SB03 (120209)- (36-37)	12/2/2009	
KL04038	H15-SB03 (120209)- (44-45)	12/2/2009	
KL04038	H15-SB03 (120209)- (47-48)	12/2/2009	
KL04038	H15-SB03A (120209)- (34-35)	12/2/2009	
KL04038	H15-SB03A (120209)- (39-40)	12/2/2009	
KL04038	H15-SB03A (120209)- (44-45)	12/2/2009	
KL04038	H15-SB12 (120309)- (38-39)	12/3/2009	
KL04038	H15-SB12 (120309)- (42-43)	12/3/2009	
KL04038	H15-SB12 (120309)- (44-45)	12/3/2009	
KL04038	H15-SB20 (120309)- (34-35)	12/3/2009	
KL04038	H15-SB20 (120309)- (39-40)	12/3/2009	
KL04038	H15-SB20 (120309)- (44-45)	12/3/2009	
KL04038	H15-SB21 (120309)- (21-22)	12/3/2009	
KL04038	H15-SB21 (120309)- (39-40)	12/3/2009	
KL04038	H15-SB21 (120309)- (44-45)	12/3/2009	
KL04038	H15-SB25 (120109)- (42-44)	12/1/2009	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL04038
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

All soils were reported on a dry weight basis.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: KL04038
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks	NA		NA	
4. Surrogate spike recoveries		DQM	DQM	
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD		DQM		DQM
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

2. Several samples required dilutions due to elevated concentrations of target analytes. There were no elevated reporting limits for non-detect results because non-detects were reported from the 1x dilutions.

4. One or more surrogate recoveries were less than the control limit in the diluted analyses of sample locations H15-SB01(120109)-(42-43), H15-SB03(120209)-(44-45), H15-SB03A(120209)-(39-40), H15-SB03A(120209)-(44-45), H15-SB12(120309)-(38-39), H15-SB12(120309)-(42-43), and H15-SB12(120309)-(44-45). The surrogate recoveries were acceptable in the 1x dilutions for these sample locations. Qualification of the data is not warranted based on professional judgment.

5C. The RPDs between the LCS/LCSD pair for the compounds acetone and chloroethane were above the control limit for batch 23151. The associated field samples are qualified as estimated for these compounds. See the attached qualification summary for details of the qualifications.

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LF16005
HAA-15

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
    1. Method blanks,
    2. Trip blanks,
    3. Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LF16005
HAA-15

The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the greater than guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected greater than the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

DQM RUN BY:	Rachelle Borne	06/18/10
REVIEW PERFORMED BY:	Rachelle Borne	06/18/10
SIGNATURE:		06/18/10
PEER REVIEW:	Dennis Capria	06/21/10

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LF16005
HAA-15

The following samples were included in this SDG:

SDG	Sample ID	Sample Date	Parent Sample
LF16005	H-15-MW-05B(061510)	06/15/10	
LF16005	Trip Blank	06/16/10	

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LF16005
HAA-15

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Laboratory Signature		X		X	
13. South Carolina Certification Number		X		X	

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: The laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

ARCADIS

HUNTER STEWART
ELECTRONIC VALIDATION REVIEW REPORT
SDG: LF16005
HAA-15

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	DQM Deficiency		Qualification Applied	
	No	Yes	No	Yes
1. Holding times/Preservation	DQM		DQM	
2. Reporting limits	M		M	
3. Blanks				
A. Method blanks	DQM		DQM	
B. Equipment blanks	NA		NA	
C. Trip blanks		DQM	DQM	
4. Surrogate spike recoveries	DQM		DQM	
5. Laboratory control sample (LCS) A. LCS %R	DQM		DQM	
B. LCS duplicate (LCSD) %R	DQM		DQM	
C. LCS/LCSD RPD	DQM		DQM	
6. Matrix spike (MS)				
A. MS %R	NA		NA	
B. MS duplicate (MSD) %R	NA		NA	
C. MS/MSD precision (RPD)	NA		NA	
7. Field Duplicate precision (RPD)	NA		NA	

M – Manual Review %R - percent recovery RPD - relative percent difference
DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260B.

3C. The compounds acetone and carbon disulfide were detected in the trip blank. The associated field sample was non-detect for this compound; therefore, qualification of the data is not warranted.

GROUNDWATER ANALYTICAL RESULTS
SEPTEMBER 1999

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0112

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: HUST05W

Matrix: (soil/water) WATER Lab Sample ID: 9909783-12

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1D414

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	4.5	B	U FD1,FD7
67-64-1	acetone	5.0	U	R CD4
75-15-0	carbon disulfide	5.0	U	U
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	0.71	J	J
107-06-2	1,2-dichloroethane	2.0	U	U
78-93-3	2-butanone	5.0	U	R CD1, CD4
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	33.9		=
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	=
540-59-0	1,2-dichloroethylene (total)	2.9		

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0122

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-10

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D515

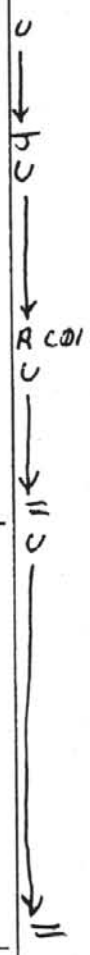
Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	chloromethane	20.0	U
74-83-9	bromomethane	20.0	U
75-01-4	vinyl chloride	20.0	U
75-00-3	chloroethane	20.0	U
75-09-2	methylene chloride	9.0	J
67-64-1	acetone	50.0	U
75-15-0	carbon disulfide	50.0	U
75-35-4	1,1-dichloroethene	20.0	U
75-34-3	1,1-dichloroethane	20.0	U
67-66-3	chloroform	20.0	U
107-06-2	1,2-dichloroethane	20.0	U
78-93-3	2-butanone	50.0	U
71-55-6	1,1,1-trichloroethane	20.0	U
56-23-5	carbon tetrachloride	20.0	U
75-27-4	bromodichloromethane	50.0	U
78-87-5	1,2-dichloropropane	20.0	U
10061-01-5	cis-1,3-dichloropropene	20.0	U
79-01-6	trichloroethene	560	
124-48-1	dibromochloromethane	20.0	U
79-00-5	1,1,2-trichloroethane	20.0	U
71-43-2	benzene	20.0	U
10061-02-6	trans-1,3-dichloropropene	20.0	U
75-25-2	bromoform	20.0	U
108-10-1	4-methyl-2-pentanone	50.0	U
591-78-6	2-hexanone	50.0	U
127-18-4	tetrachloroethene	20.0	U
79-34-5	1,1,2,2-tetrachloroethane	20.0	U
108-88-3	toluene	20.0	U
108-90-7	chlorobenzene	20.0	U
100-41-4	ethylbenzene	20.0	U
100-42-5	styrene	20.0	U
1330-20-7	xylenes (total)	60.0	U
540-59-0	1,2-dichloroethylene (total)	403	



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0132

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: HUST05W

Matrix: (soil/water) WATER Lab Sample ID: 9909783-08

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1D410

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

USQ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	chloromethane		2.0	U	U
74-83-9	bromomethane		2.0	U	
75-01-4	vinyl chloride		2.0	U	
75-00-3	chloroethane		2.0	U	
75-09-2	methylene chloride		4.6	B	U FD1, FD7
67-64-1	acetone		5.0	U	R CO4
75-15-0	carbon disulfide		5.0	U	U
75-35-4	1,1-dichloroethene		2.0	U	
75-34-3	1,1-dichloroethane		2.0	U	
67-66-3	chloroform		2.0	U	
107-06-2	1,2-dichloroethane		2.0	U	
78-93-3	2-butanone		5.0	U	R CO1, CO4
71-55-6	1,1,1-trichloroethane		1.4	J	J
56-23-5	carbon tetrachloride		2.0	U	U
75-27-4	bromodichloromethane		5.0	U	
78-87-5	1,2-dichloropropane		2.0	U	
10061-01-5	cis-1,3-dichloropropene		2.0	U	
79-01-6	trichloroethene	258 ~~266~~		E D	=
124-48-1	dibromochloromethane		2.0	U	U
79-00-5	1,1,2-trichloroethane		2.0	U	
71-43-2	benzene		2.0	U	
10061-02-6	trans-1,3-dichloropropene		2.0	U	
75-25-2	bromoform		2.0	U	
108-10-1	4-methyl-2-pentanone		5.0	U	
591-78-6	2-hexanone		5.0	U	
127-18-4	tetrachloroethene		1.0	J	J
79-34-5	1,1,2,2-tetrachloroethane		2.0	U	U
108-88-3	toluene		2.0	U	
108-90-7	chlorobenzene		2.0	U	
100-41-4	ethylbenzene		2.0	U	
100-42-5	styrene		2.0	U	
1330-20-7	xylenes (total)		6.0	U	
540-59-0	1,2-dichloroethylene (total)	98.2 ~~103~~		E D	=

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0142

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: HUST06W

Matrix: (soil/water) WATER Lab Sample ID: 9909786-14

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2D515

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane		2.0	U
74-83-9	bromomethane		2.0	U
75-01-4	vinyl chloride		2.0	U
75-00-3	chloroethane		2.0	U
75-09-2	methylene chloride		2.0	U
67-64-1	acetone	5	~~3.5~~	JB
75-15-0	carbon disulfide		5.0	U
75-35-4	1,1-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		0.52	J
67-66-3	chloroform		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
78-93-3	2-butanone		5.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
75-27-4	bromodichloromethane		5.0	U
78-87-5	1,2-dichloropropane		2.0	U
10061-01-5	cis-1,3-dichloropropene		2.0	U
79-01-6	trichloroethene	139	~~185~~ E	D
124-48-1	dibromochloromethane		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
71-43-2	benzene		2.0	U
10061-02-6	trans-1,3-dichloropropene		2.0	U
75-25-2	bromoform		2.0	U
108-10-1	4-methyl-2-pentanone		5.0	U
591-78-6	2-hexanone		5.0	U
127-18-4	tetrachloroethene		1.2	J
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
108-88-3	toluene		2.0	U
108-90-7	chlorobenzene		2.0	U
100-41-4	ethylbenzene		2.0	U
100-42-5	styrene		2.0	U
1330-20-7	xylenes (total)		6.0	U
540-59-0	1,2-dichloroethylene (total)		69.5	

MRA 11/11/99

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0162

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-04

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D509

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R C01
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	39.4		
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	0.71	J	J
108-90-7	chlorobenzene	2.0	U	U
100-41-4	ethylbenzene	0.53	J	J
100-42-5	styrene	2.0	U	U
1330-20-7	xylenes (total)	2.8	J	J
540-59-0	1,2-dichloroethylene (total)	41.8		

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0172

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-09

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D514

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	2.0	U
67-64-1	acetone	5.0	U
75-15-0	carbon disulfide	1.3	J
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	5.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
1330-20-7	xylenes (total)	0.70	J
540-59-0	1,2-dichloroethylene (total)	2.0	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0182

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-01

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D506

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane		2.0	U
74-83-9	bromomethane		2.0	U
75-01-4	vinyl chloride		2.0	U
75-00-3	chloroethane		2.0	U
75-09-2	methylene chloride		1.1	J
67-64-1	acetone		5.0	U
75-15-0	carbon disulfide		3.8	J
75-35-4	1,1-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
67-66-3	chloroform		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
78-93-3	2-butanone		5.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
75-27-4	bromodichloromethane		5.0	U
78-87-5	1,2-dichloropropane		2.0	U
10061-01-5	cis-1,3-dichloropropene		2.0	U
79-01-6	trichloroethene		2.0	U
124-48-1	dibromochloromethane		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
71-43-2	benzene		2.0	U
10061-02-6	trans-1,3-dichloropropene		2.0	U
75-25-2	bromoform		2.0	U
108-10-1	4-methyl-2-pentanone		5.0	U
591-78-6	2 hexanone		5.0	U
127-18-4	tetrachloroethene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
108-88-3	toluene		2.0	U
108-90-7	chlorobenzene		2.0	U
100-41-4	ethylbenzene		2.0	U
100-42-5	styrene		2.0	U
1330-20-7	xylenes (total)		6.0	U
540-59-0	1,2-dichloroethylene (total)		0.71	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0212

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-11

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D516

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	1.9	J	J COI
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	2.0	U	
124-48-1	dibromochloromethane	2.0	U	
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	2.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0222

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-05

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D510

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R C01
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	21.9		=
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	1.5	J	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0232

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-18

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D406

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R C01
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	1.0	J	J
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	0.54	J	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0242

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-07

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D512

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R COI
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	2.0	U	
124-48-1	dibromochloromethane	2.0	U	
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	2.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0252

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-20

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D408

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquct Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	2.0	U
67-64-1	acetone	5.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	5.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
1330-20-7	xylenes (total)	6.0	U
540-59-0	1,2-dichloroethylene (total)	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0262

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-03

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D508

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R col
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	2.0	U	
124-48-1	dibromochloromethane	2.0	U	
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	2.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0272

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-02

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D507

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	RCP1
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	2.0	U	
124-48-1	dibromochloromethane	2.0	U	
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	2.0	U	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	2.1		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0282

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-08

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D513

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	2.0	U
67-64-1	acetone	5.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	5.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
1330-20-7	xylenes (total)	6.0	U
540-59-0	1,2-dichloroethylene (total)	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0292

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-06

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D511

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	2.0	U
67-64-1	acetone	5.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	5.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
1330-20-7	xylenes (total)	6.0	U
540-59-0	1,2-dichloroethylene (total)	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0312

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST07W

Matrix: (soil/water) WATER Lab Sample ID: 9909787-01

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D215

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/05/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	~~1.2~~ 2.0	JB	U F01, F06
67-64-1	acetone	5.0	U	
75-15-0	carbon disulfide	5.0	U	U
75-35-4	1,1-dichloroethene	2.0	U	
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	~~0.57~~ 5.0	J	R F04, F06, C01
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	36.5		
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	4.8		
10061-02-6	trans-1,3-dichloropropene	2.0	U	U
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	1.4	J	J
100-42-5	styrene	2.0	U	U
1330-20-7	xylenes (total)	2.6	J	J
540-59-0	1,2-dichloroethylene (total)	1.4	J	J

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DATA VALIDATION

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0322

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: HUST05W

Matrix: (soil/water) WATER Lab Sample ID: 9909783-11

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1D413

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane		2.0	U
74-83-9	bromomethane		2.0	U
75-01-4	vinyl chloride		2.0	U
75-00-3	chloroethane		2.0	U
75-09-2	methylene chloride		4.3	B
67-64-1	acetone		5.0	U
75-15-0	carbon disulfide		1.2	J
75-35-4	1,1-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
67-66-3	chloroform		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
78-93-3	2-butanone		5.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
75-27-4	bromodichloromethane		5.0	U
78-87-5	1,2-dichloropropane		2.0	U
10061-01-5	cis-1,3-dichloropropene		2.0	U
79-01-6	trichloroethene	116	~~122~~	~~E~~ D
124-48-1	dibromochloromethane		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
71-43-2	benzene		1.6	J
10061-02-6	trans-1,3-dichloropropene		2.0	U
75-25-2	bromoform		2.0	U
108-10-1	4-methyl-2-pentanone		5.0	U
591-78-6	2-hexanone		5.0	U
127-18-4	tetrachloroethene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
108-88-3	toluene		2.0	U
108-90-7	chlorobenzene		2.0	U
100-41-4	ethylbenzene		2.0	U
100-42-5	styrene		2.0	U
1330-20-7	xylenes (total)		6.0	U
540-59-0	1,2-dichloroethylene (total)		11.2	

U FO1, FO7

R CO4

R CO1, CO4

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0332

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HUST04W

Matrix: (soil/water) WATER Lab Sample ID: 9909781-19

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5D523

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	0.75	J
67-64-1	acetone	5.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	5.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	85.3	
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	1.2	J
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
1330-20-7	xylenes (total)	6.0	U
540-59-0	1,2-dichloroethylene (total)	2.0	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0342

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: HUST05W

Matrix: (soil/water) WATER Lab Sample ID: 9909783-10

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1D412

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	3.5	B	U F01, F07
67-64-1	acetone	5.0	U	R C04
75-15-0	carbon disulfide	0.82	J	J
75-35-4	1,1-dichloroethene	2.2		=
75-34-3	1,1-dichloroethane	2.0	U	U
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R C01, C04
71-55-6	1,1,1-trichloroethane	2.0	U	U
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	674 ~~660~~	ED	=
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	U
71-43-2	benzene	1.1	J	J
10061-02-6	trans-1,3-dichloropropene	2.0	U	U
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	80.7		=

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0352

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: HUST05W

Matrix: (soil/water) WATER Lab Sample ID: 9909783-09

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1D411

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 (uL

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	4.4	B	U F01, F07
67-64-1	acetone	5.0	U	R C04
75-15-0	carbon disulfide	5.0	U	
75-35-4	1,1-dichloroethene	9.8		
75-34-3	1,1-dichloroethane	2.0	U	
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	R C01, C04
71-55-6	1,1,1-trichloroethane	2.0	U	
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	2440 ~~1380~~	E D	
124-48-1	dibromochloromethane	2.0	U	
79-00-5	1,1,2-trichloroethane	2.0	U	
71-43-2	benzene	0.83	J	
10061-02-6	trans-1,3-dichloropropene	2.0	U	
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	274 ~~287~~	E D	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0362

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: HUST06W

Matrix: (soil/water) WATER Lab Sample ID: 9909786-04

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2D430

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/07/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	chloromethane	2.0	U	U
74-83-9	bromomethane	2.0	U	
75-01-4	vinyl chloride	2.0	U	
75-00-3	chloroethane	2.0	U	
75-09-2	methylene chloride	2.0	U	
67-64-1	acetone	5 ~~3.6~~	JB	U FB1, FB6
75-15-0	carbon disulfide	5.0	U	U CB5
75-35-4	1,1-dichloroethene	3.5		J GB1
75-34-3	1,1-dichloroethane	2.0	U	U
67-66-3	chloroform	2.0	U	
107-06-2	1,2-dichloroethane	2.0	U	
78-93-3	2-butanone	5.0	U	
71-55-6	1,1,1-trichloroethane	2.0	U	
56-23-5	carbon tetrachloride	2.0	U	
75-27-4	bromodichloromethane	5.0	U	
78-87-5	1,2-dichloropropane	2.0	U	
10061-01-5	cis-1,3-dichloropropene	2.0	U	
79-01-6	trichloroethene	997 ~~1250~~	E D	=
124-48-1	dibromochloromethane	2.0	U	U
79-00-5	1,1,2-trichloroethane	2.0	U	U
71-43-2	benzene	0.79	J	J GB1
10061-02-6	trans-1,3-dichloropropene	2.0	U	U
75-25-2	bromoform	2.0	U	
108-10-1	4-methyl-2-pentanone	5.0	U	
591-78-6	2-hexanone	5.0	U	
127-18-4	tetrachloroethene	2.0	U	
79-34-5	1,1,2,2-tetrachloroethane	2.0	U	
108-88-3	toluene	2.0	U	
108-90-7	chlorobenzene	2.0	U	
100-41-4	ethylbenzene	2.0	U	
100-42-5	styrene	2.0	U	
1330-20-7	xylenes (total)	6.0	U	
540-59-0	1,2-dichloroethylene (total)	88.8 ~~112~~	E D	=

11/11/99

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DATA VALIDATION COPY

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0372

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: HUST06W

Matrix: (soil/water) WATER Lab Sample ID: 9909786-11

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2D514

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/08/99

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		
74-87-3	chloromethane		2.0	U
74-83-9	bromomethane		2.0	U
75-01-4	vinyl chloride		2.0	U
75-00-3	chloroethane		2.0	U
75-09-2	methylene chloride		2.0	U
67-64-1	acetone	5	~~4.0~~	JB
75-15-0	carbon disulfide		5.0	U
75-35-4	1,1-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
67-66-3	chloroform		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
78-93-3	2-butanone		5.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
75-27-4	bromodichloromethane		5.0	U
78-87-5	1,2-dichloropropane		2.0	U
10061-01-5	cis-1,3-dichloropropene		2.0	U
79-01-6	trichloroethene		22.4	
124-48-1	dibromochloromethane		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
71-43-2	benzene		0.74	J
10061-02-6	trans-1,3-dichloropropene		2.0	U
75-25-2	bromoform		2.0	U
108-10-1	4-methyl-2-pentanone		5.0	U
591-78-6	2-hexanone		5.0	U
127-18-4	tetrachloroethene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
108-88-3	toluene		2.0	U
108-90-7	chlorobenzene		2.0	U
100-41-4	ethylbenzene		2.0	U
100-42-5	styrene		2.0	U
1330-20-7	xylenes (total)		6.0	U
540-59-0	1,2-dichloroethylene (total)		2.0	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0382

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: HUST05W

Matrix: (soil/water) WATER Lab Sample ID: 9909783-01

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1D317

Level: (low/med) LOW Date Received: 09/27/99

% Moisture: not dec. _____ Date Analyzed: 10/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	chloromethane		2.0	U	U
74-83-9	bromomethane		2.0	U	
75-01-4	vinyl chloride		2.0	U	
75-00-3	chloroethane		2.0	U	
75-09-2	methylene chloride	2	~~1.0~~	JB	U FD1,FD4
67-64-1	acetone		5.0	U	R CD4
75-15-0	carbon disulfide		1.1	J	J
75-35-4	1,1-dichloroethene		2.0	U	U
75-34-3	1,1-dichloroethane		2.0	U	
67-66-3	chloroform		2.0	U	
107-06-2	1,2-dichloroethane		2.0	U	
78-93-3	2-butanone		5.0	U	R CD1, CD4
71-55-6	1,1,1-trichloroethane		2.0	U	U
56-23-5	carbon tetrachloride		2.0	U	
75-27-4	bromodichloromethane		5.0	U	
78-87-5	1,2-dichloropropane		2.0	U	
10061-01-5	cis-1,3-dichloropropene		2.0	U	
79-01-6	trichloroethene		4.7		=
124-48-1	dibromochloromethane		2.0	U	U
79-00-5	1,1,2-trichloroethane		2.0	U	
71-43-2	benzene		2.0	U	
10061-02-6	trans-1,3-dichloropropene		2.0	U	
75-25-2	bromoform		2.0	U	
108-10-1	4-methyl-2-pentanone		5.0	U	
591-78-6	2-hexanone		5.0	U	
127-18-4	tetrachloroethene		2.0	U	
79-34-5	1,1,2,2-tetrachloroethane		2.0	U	
108-88-3	toluene		2.0	U	
108-90-7	chlorobenzene		2.0	U	
100-41-4	ethylbenzene		2.0	U	
100-42-5	styrene		2.0	U	
1330-20-7	xylenes (total)		0.60	J	J
540-59-0	1,2-dichloroethylene (total)		2.0	U	U

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CHAIN OF CUSTODY RECORD

COC NO.: GH0004

PROJECT NAME: HAAF-USTs 25 & 26

PROJECT NUMBER: 01-0331-04-1958-210

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

REQUESTED PARAMETERS

LABORATORY NAME
General Engineering Laboratory

LABORATORY ADDRESS
2040 Savage Road
Charleston, SC 29407

PHONE NO: (843) 556 8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	PAH	BTEX	No. of Bottles/ Vials	OVA SCREENING	OBSERVATIONS COMMENTS SPECIAL INSTRUCTIONS
HJ6200	9/26/99	1115	water		2	2	4		19991779/u
HJA200	9/26/99	1015			2	2	4		
XX0182	9/26/99	1455		2			2		19991781/a
XX0272	9/26/99	1255		2			2		
XX0262	9/26/99	1215		2			2		
XX0162	9/26/99	1750		2			2		
XX0222	9/26/99	1030		2			2		
XX0292	9/26/99	1410		2			2		
XX0242	9/26/99	1115		2			2		
XX0262	9/26/99	1335		2			2		
XX0172	9/26/99	1420		2			2		
XX0122	9/26/99	1555		2			2		
XX0212	9/26/99	1011	↓	2			2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature:
Laura Lumley	9/27/99 1215	Patricia Young	9/27/99 16:15	Cooler ID: # 7467	FEDEX NUMBER:
COMPANY NAME: SAIC		COMPANY NAME: GEL			
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL	9/27/99 1215	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY	Date/Time		
COMPANY NAME: GEL	9/27/99 1615	COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: G1-0800

PROJECT NAME: HAAF-USTs 25 & 26

PROJECT NUMBER: 01-0331-04-1958-210

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lindley (Printed Name) Laura Lindley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	VOC	PAH	No. of Bottles/ Vials	OVA SCREENING	OBSERVATIONS COMMENTS SPECIAL INSTRUCTIONS
AF2622	9/26/99	1612	water	2		2		9909781
AF2322	9/26/99	1330		2		2		
AF1122	9/26/99	1545		2		2		
AF2722	9/26/99	1625		2		2		
AF2922	9/26/99	1710		2		2		
AFD122	9/26/99	1217		2		2		
XX0232	9/26/99	1055		2		2		
XX0332	9/26/99	1340		2		2		
XX0252	9/26/99	1145		2		2		
XX0382	9/26/99	1515		2		2		9909783
AF1522	9/26/99	1315		2		2		
AF1922	9/26/99	1720		2		2		
AF3072	9/26/99	1120		2		2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Laura Lindley	9/27/99	Latrina Power	9/27/99
COMPANY NAME: SAIC	1215	COMPANY NAME: GEL	16:15
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
COMPANY NAME:	9/27/99 1545	COMPANY NAME	
RELINQUISHED BY:	Date/Time	RECEIVED BY	Date/Time
COMPANY NAME: GEL	9/27/99 1615	COMPANY NAME	

TOTAL NUMBER OF CONTAINERS:

Cooler ID: # 747

Cooler Temperature: 4 °C

FEDEX NUMBER

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CHAIN OF CUSTODY RECORD

COC NO.: GH000

PROJECT NAME: HAAF USTs 25 & 26

PROJECT NUMBER: 01-0331-04-1958-210

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Smiley (Printed Name)

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	VOC	PAH	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS COMMENTS, SPECIAL INSTRUCTIONS
AF122	9/26/99	1052	water	2		2		9909178
AF305	9/26/99	1042		2		2		
AF308	9/26/99	1145		2		2		
XX013	9/26/99	1621		2		2		
XX035	9/26/99	1412		2		2		
XX034	9/26/99	1355		2		2		
XX032	9/26/99	1325		2		2		
XX011	9/26/99	1535		2		2		
AF182	9/26/99	1650		2		2		
AF302	9/26/99	1010		2		2		
AF022	9/26/99	1610		2		2		
AF152	9/26/99	1315		2		2		
AF202	9/26/99	1300	↓	2		2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature 4 °C
Laura Smiley	9/27/99	Patricia Kibler	9/27/99	Cooler ID: #787	FEDEX NUMBER:
COMPANY NAME: SAIC	1245	COMPANY NAME: GEL	1615		
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL	9/27/99 1245	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL	9/27/99 1615	COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: GH0003

PROJECT NAME: HAAF-USTs 25 & 26

PROJECT NUMBER: 01-0331-04-1958-210

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843) 556 8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	VOC	PAH	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
AF0922	9/26/99	1435	water	2		2		9909783
AF3032	9/26/99	1020		2		2		
AF1826	9/26/99	1700		2		2		
AF1422	9/26/99	1350		2		2		9909786
AF2422	9/26/99	1415		2		2		
AF0422	9/26/99	1115		2		2		
XX0362	9/26/99	1425		2		2		
AF0722	9/26/99	1130		2		2		
AF1722	9/26/99	1645		2		2		
AF3022	9/26/99	1010		2		2		
AF0322	9/26/99	1635		2		2		
AF1622	9/26/99	1245		2		2		
AF2024	9/26/99	1300		2		2		

	Date/Time		Date/Time		
RELINQUISHED BY: Laura Lumley	9/27/99	RECEIVED BY: Patricia Mowery	9/27/99	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature: 4°C
COMPANY NAME: SAIC	1215	COMPANY NAME: GEL	16:15	Cooler ID: #787	FEDEX NUMBER
RECEIVED BY:	Date/Time 9/27/99	RELINQUISHED BY:	Date/Time		
COMPANY NAME:	1745	COMPANY NAME:			
RELINQUISHED BY:	Date/Time 9/27/99	RECEIVED BY:	Date/Time		
COMPANY NAME:	1745	COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: GH0003

PROJECT NAME: HAAF-USTs 25 & 26

PROJECT NUMBER: 01-0331-04-1958-210

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

	Sample ID	Date Collected	Time Collected	Matrix	VOC	PAH	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
11	XX0372	9/26/99	1450	water	2		2		9909786
12	AF2822	9/24/99	1740		2		2		
13	AF0524	9/26/99	1000		2		2		
14	XX0142	9/26/99	1614		2		2		
15	AF1322	9/26/99	1430		2		2		
16	AF3042	9/26/99	1030		2		2		
17	AF0522	9/26/99	1000		2		2		
18	AF0822	9/26/99	1410		2		2		
19	AF3012	9/26/99	0945		2		2		
20	AF2522	9/26/99	1543		2		2		9909787
1	XX0312	9/26/99	1310		2		2		
2	AF3062	9/26/99	1100		2		2		
3	AF1326	9/26/99	1425		2		2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature: 4°C
Laura Lumley	9/27/99 1215	Patricia Ames	9/27/99 16:15	Cooler ID: # 787	FEDEX NUMBER:
COMPANY NAME: SAIC		COMPANY NAME: GEL			
RECEIVED BY:	Date/Time 9/27/99 1215	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY:	Date/Time 9/27/99 1615	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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GROUNDWATER ANALYTICAL RESULTS
FEBRUARY 2000

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0412

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X218

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.1	B
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.7	
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.51	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.18	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

U U U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0422

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X219

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		6.9	B	U FD1, FD7
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.3~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform	NMR 3/21/00	1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		5.3		=
79-01-6	Trichloroethylene		1.0	U	U
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		2.2		=
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		8.7		=
1330-20-7	Xylenes (total)		23.6		=
100-42-5	Styrene		1.0	U	U
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

DATA VALIDATION COPY

DUPLICATE

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0424

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X220

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	U
75-00-3	Chloroethane		1.0	U	U
75-35-4	1,1-Dichloroethylene		1.0	U	U
67-64-1	Acetone		7.5	B	U FD1, FD7
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.0~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	MKP 3/21/00	0.27	J	J
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	U
56-23-5	Carbon tetrachloride		1.0	U	U
107-06-2	1,2-Dichloroethane		0.34	J	J
71-43-2	Benzene		12.7		
79-01-6	Trichloroethylene		1.0	U	U
78-87-5	1,2-Dichloropropane		1.0	U	U
75-27-4	Bromodichloromethane		1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	U
108-10-1	4-Methyl-2-pentanone		5.0	U	U
108-88-3	Toluene		3.7		
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	U
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	U
108-90-7	Chlorobenzene		1.0	U	U
100-41-4	Ethylbenzene		18.9		
1330-20-7	Xylenes (total)		58.8		
100-42-5	Styrene		0.82	J	J
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0432

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X221

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.7	B
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	0.25	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.60	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	4.1	
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.086	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

U U F01,F07 U J U J U J U U

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0442

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X306

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	3.6	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.1	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	0.24	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.37	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	7.9	
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.063	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0452

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 2208200?

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X307

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	3.2	J	J COS
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	1.1	J	J
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	U
108-88-3	Toluene	0.35	J	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2 Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	U
100-41-4	Ethylbenzene	0.065	J	
1330-20-7	Xylenes (total)	3.0	U	U
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0462

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X308

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67 64-1	Acetone	4.4	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.3	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88 3	Toluene	0.63	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.11	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0472

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X309

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67 64-1	Acetone	2.8	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	0.20	J
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4 Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.42	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.064	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0482

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X310

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	4.2	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	2.0	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	0.38	J
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.28	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.060	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.22	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0492

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X311

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	2.9	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.9	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	0.16	J
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.27	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2 Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.062	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.20	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0512

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X312

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.6	
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.4	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.34	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.056	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.16	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0522

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X313

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	2.2	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.43	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.078	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.22	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0532

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X314

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	4.3	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	2.4	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.40	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	0.88	J
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.074	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.26	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0542

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X315

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	3.0	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.4	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.28	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.061	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.22	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0552

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082016

Sample wt./vol: 5.000 (g/ml) ML Lab File ID: 1X316

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.2	
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.8	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.41	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.075	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.17	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0562

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X317

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	3.9	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.7	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.29	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.071	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.18	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0572

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X318

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.3	
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.6	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	0.62	J
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.39	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.064	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.18	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0582

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082019

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X319

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	4.3	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.6	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.3	
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.35	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	0.060	J
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	0.15	J
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0592

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA05W

Matrix: (soil/water) WATER Lab Sample ID: 22082020

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1X320

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	3.9	J	J CDS
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	0.57	J	J
79-01-6	Trichloroethylene	1.0	U	U
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.35	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	0.061	J	J
1330-20-7	Xylenes (total)	3.0	U	U
100-42-5	Styrene	0.13	J	J
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0612

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X407

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		1.0	J
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0622

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X408

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.5	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE
EPA SAMPLE NO.

XX0624

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X317

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	1.5	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5 ~~3.8~~	JB
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.51	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0632

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X318

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	1.1	J	J CQS
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.9~~	JB	U FD1,FD6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.76	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0642

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X319

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	1.7	J	J CO5
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.7~~	JB	U FO1, FO6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.33	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0652

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X320

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.29	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0662

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X409

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	1.9	J	J CDS
75-15-0	Carbon disulfide	5.0	U	U CDS
75-09-2	Methylene chloride	1.3	J	J
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.30	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0672

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X410

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		1.6	J
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0682

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083019

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X411

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	1.8	J	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	1.7	J	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.30	J	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0692

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083020

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X412

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.2	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.35	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0712

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X306

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		0.62	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~3.4~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0722

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X405

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	CD5
75-09-2	Methylene chloride	5.0	U	U
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0732

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X307

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.6	J	J COS
67-64-1	Acetone	5.0	U	U
75-15-0	Carbon disulfide	5 ~~3.6~~	JB	U FD1, FD6
75-09-2	Methylene chloride	1.0	U	U
75-34-3	1,1-Dichloroethane	5.0	U	
78-93-3	2-Butanone	2.0	U	
540-59-0	1,2-Dichloroethylene(total)	1.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	5.0	U	
108-10-1	4-Methyl-2-pentanone	0.28	J	J
108-88-3	Toluene	1.0	U	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
591-78-6	2-Hexanone	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	3.0	U	
1330-20-7	Xylenes (total)	1.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane			

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0742

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X308

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		0.32	J
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5 ~~3.2~~	JB
75-09-2	Methylene chloride		1.0	U
75-34-3	1,1-Dichloroethane		5.0	U
78-93-3	2-Butanone		2.0	U
540-59-0	1,2-Dichloroethylene(total)		1.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		5.0	U
108-10-1	4-Methyl-2-pentanone		1.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
591-78-6	2-Hexanone		1.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		3.0	U
1330-20-7	Xylenes (total)		1.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0752

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X309

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	U5 CO5
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~3.8~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.38	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2 Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0762

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X310

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		0.94	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.5~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.55	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0772

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X311

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	2.5	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.43	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0782

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X312

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	0.51	J	J CO5
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.4~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.53	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0792

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA06W

Matrix: (soil/water) WATER Lab Sample ID: 22083009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X406

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	1.7	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0812

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X617

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~2.8~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene	1.0	~~0.27~~	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene	1.0	~~0.20~~	JB
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

MM 3/22/00

U

U FD1, FD6

U FD4, FD6

U FD1, FD6

FORM I VOA OLM03.0

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0822

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X618

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	
75-15-0	Carbon disulfide		5.0	U	
75-09-2	Methylene chloride		5 ~~1.8~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene	MMR 3/22/00	1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0	U	
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0 ~~0.13~~	JB	U FD1, FD6
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

FORM I VOA DATA V... OLM03.0

DUPLICATE

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0824

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X619

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane	1.0	U		U
75-01-4	Vinyl chloride	1.0	U		
74-83-9	Bromomethane	1.0	U		
75-00-3	Chloroethane	1.0	U		
75-35-4	1,1-Dichloroethylene	1.0	U		
67-64-1	Acetone	5 ~~0.34~~	JB		U FD1, FD6
75-15-0	Carbon disulfide	5.0	U		U
75-09-2	Methylene chloride	5 ~~2.6~~	JB		U FD1, FD6
75-34-3	1,1-Dichloroethane	1.0	U		U
78-93-3	2-Butanone	5.0	U		
540-59-0	1,2-Dichloroethylene(total)	2.0	U		
67-66-3	Chloroform	1.0	U		
71-55-6	1,1,1-Trichloroethane	1.0	U		
56-23-5	Carbon tetrachloride	1.0	U		
107-06-2	1,2-Dichloroethane	1.0	U		
71-43-2	Benzene	1.0	U		
79-01-6	Trichloroethylene	1.0	U		
78-87-5	1,2-Dichloropropane	1.0	U		
75-27-4	Bromodichloromethane	1.0	U		
10061-01-5	cis-1,3-Dichloropropylene	1.0	U		
108-10-1	4-Methyl-2-pentanone	5.0	U		
108-88-3	Toluene	1.0	U		
10061-02-6	trans-1,3-Dichloropropylene	1.0	U		
79-00-5	1,1,2-Trichloroethane	1.0	U		
591-78-6	2-Hexanone	5.0	U		
127-18-4	Tetrachloroethylene	1.0	U		
124-48-1	Dibromochloromethane	1.0	U		
108-90-7	Chlorobenzene	1.0	U		
100 41-4	Ethylbenzene	1.0	U		
1330-20-7	Xylenes (total)	3.0	U		
100-42-5	Styrene	1.0 ~~0.19~~	JB		U FD1, FD6
75-25-2	Bromoform	1.0	U		U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		U

MMP 3/22/00

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0832

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X620

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.6~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0 ~~0.28~~	J	U F04,F06
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0 ~~0.15~~	JB	U F01,F06
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

MMP 3/22/00

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0842

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X621

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5 ~~0.94~~	JB	U F01, F06
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride		5 ~~2.5~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)	NMP 3/22/00	2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0	U	
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0 ~~0.16~~	JB	U F01, F06
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0852

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X622

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane	1.0	U		U
75-01-4	Vinyl chloride	1.0	U		
74-83-9	Bromomethane	1.0	U		
75-00-3	Chloroethane	1.0	U		
75-35-4	1,1-Dichloroethylene	1.0	U		
67-64-1	Acetone	5 ~~0.95~~	JB		U FO1, FO6
75-15-0	Carbon disulfide	5.0	U		U
75-09-2	Methylene chloride	5 ~~2.9~~	JB		U FO1, FO6
75-34-3	1,1-Dichloroethane	1.0	U		U
78-93-3	2-Butanone	5.0	U		
540-59-0	1,2-Dichloroethylene(total)	2.0	U		
67-66-3	Chloroform	1.0	U		
71-55-6	1,1,1-Trichloroethane	1.0	U		
56-23-5	Carbon tetrachloride	1.0	U		
107-06-2	1,2-Dichloroethane	1.0	U		
71-43-2	Benzene	1.0	U		
79-01-6	Trichloroethylene	1.0	U		
78-87-5	1,2-Dichloropropane	1.0	U		
75-27-4	Bromodichloromethane	1.0	U		
10061-01-5	cis-1,3-Dichloropropylene	1.0	U		
108-10-1	4-Methyl-2-pentanone	5.0	U		
108-88-3	Toluene	1.0 ~~0.36~~	J		U FO4, FO6
10061-02-6	trans-1,3-Dichloropropylene	1.0	U		U
79-00-5	1,1,2-Trichloroethane	1.0	U		
591-78-6	2-Hexanone	5.0	U		
127-18-4	Tetrachloroethylene	1.0	U		
124-48-1	Dibromochloromethane	1.0	U		
108-90-7	Chlorobenzene	1.0	U		
100-41-4	Ethylbenzene	1.0	U		
1330-20-7	Xylenes (total)	3.0	U		
100-42-5	Styrene	1.0 ~~0.17~~	JB		U FO1, FO6
75-25-2	Bromoform	1.0	U		U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		U

MMP 3/22/00

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0862

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2Y106

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/28/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone	5	~~0.96~~	J
75-15-0	Carbon disulfide		1.4	J
75-09-2	Methylene chloride		5.3	B
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene	1.0	~~0.57~~	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		0.080	J
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

NMB 3/22/00

U FD4, FD6

U FD1, FD7

U FD4, FD6

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0872

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2Y107

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/28/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone	5	~~1.7~~	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~4.1~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene	1.0	~~0.53~~	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

MMP 3/24/00

U FD4, FD6

U FD1, FD6

U FD4, FD6

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0892

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084019

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2Y108

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/28/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5 ~~0.24~~	J	U FD4,FD6
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.1	B	U FD1,FD7
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0 ~~0.41~~	J	U FD4,FD6
10061-02-6	trans-1,3 Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

MRP 3/22/00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0912

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X326

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ COS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	UJ COS
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride		5 ~~2.2~~	JB	U FOL, FOL
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform	NR 3/21/00	1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0	U	
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	UJ COS
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0922

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X327

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ C05
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	UJ C05
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride		5 ~~1.2~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	
78-93-3	2-Butanone		5.0	U	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform	NMF 3/21/00	1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		0.28	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	UJ C05
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0932

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X328

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ COS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	UJ COS
75-15-0	Carbon disulfide		0.92	J	J COS
75-09-2	Methylene chloride		5 ~~1.4~~	JB	U FO1,F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone	MPP 3/21/00	5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		0.34	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	UJ COS
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0942

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X329

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ COS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	U
75-00-3	Chloroethane		1.0	U	U
75-35-4	1,1-Dichloroethylene		1.0	U	U
67-64-1	Acetone		5.0	U	UJ COS
75-15-0	Carbon disulfide		2.5	J	J COS
75-09-2	Methylene chloride	5	~~1.0~~	JB	U FD1, FD2
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U	U
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	U
56-23-5	Carbon tetrachloride		1.0	U	U
107-06-2	1,2-Dichloroethane		1.0	U	U
71-43-2	Benzene		1.0	U	U
79-01-6	Trichloroethylene		1.0	U	U
78-87-5	1,2-Dichloropropane		1.0	U	U
75-27-4	Bromodichloromethane		1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene		5.0	U	U
108-10-1	4-Methyl-2-pentanone		0.37	J	U
108-88-3	Toluene		1.0	U	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		5.0	U	UJ COS
591-78-6	2-Hexanone		1.0	U	U
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	U
108-90-7	Chlorobenzene		1.0	U	U
100-41-4	Ethylbenzene		3.0	U	U
1330-20-7	Xylenes (total)		0.12	J	U
100-42-5	Styrene		1.0	U	U
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane				

MAP 3/21/00

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0952

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X330

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ CDS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	U
75-00-3	Chloroethane		1.0	U	U
75-35-4	1,1-Dichloroethylene		1.0	U	U
67-64-1	Acetone		5.0	U	UJ CDS
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.8~~	JB	U FO1, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone	MMP 3/21/00	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U	U
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	U
56-23-5	Carbon tetrachloride		1.0	U	U
107-06-2	1,2-Dichloroethane		1.0	U	U
71-43-2	Benzene		1.0	U	U
79-01-6	Trichloroethylene		1.0	U	U
78-87-5	1,2-Dichloropropane		1.0	U	U
75-27-4	Bromodichloromethane		1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	U
108-10-1	4-Methyl-2-pentanone		5.0	U	U
108-88-3	Toluene		0.83	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	UJ CDS
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	U
108-90-7	Chlorobenzene		1.0	U	U
100-41-4	Ethylbenzene		1.0	U	U
1330-20-7	Xylenes (total)		3.0	U	U
100-42-5	Styrene		1.0	U	U
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2 Tetrachloroethane		1.0	U	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0962

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X331

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ CDS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	UJ CDS
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride		5 ~~1.4~~	JB	U FD1,FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone	MMP 3/21/00	5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2 pentanone		5.0	U	
108-88-3	Toluene		0.34	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	UJ CDS
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0972

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X332

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ COS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	UJ COS
75-15-0	Carbon disulfide		1.9	J	J COS
75-09-2	Methylene chloride	5	~~1.5~~	JB	U FO1, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		0.80	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	UJ COS
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

NNP 3/21/00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX0992

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA08W

Matrix: (soil/water) WATER Lab Sample ID: 22085008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X333

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	UJ CDS
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	UJ CDS
75-15-0	Carbon disulfide		1.4	J	J CDS
75-09-2	Methylene chloride	5	~~1.6~~	JB	U FO1, FO6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		0.21	J	J
79-01-6	Trichloroethylene		1.0	U	U
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		0.47	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	UJ CDS
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

MAP 3/21/00

FORM I VOA OLM03.0

DATA VALIDATION

41

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1012

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X607

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	U
75-00-3	Chloroethane		1.0	U	U
75-35-4	1,1-Dichloroethylene		1.0	U	U
67-64-1	Acetone	5	~~2.1~~	JB	U FD1,FDL
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~2.7~~	JB	U FD1,FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene	1.0	~~0.36~~	J	U FD4,FD6
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene	1.0	~~0.13~~	JB	U FD1,FDL
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

MR 3/22/00

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSTS DATA SHEET

EPA SAMPLE NO.

XX1022

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X608

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone	5	~~1.2~~	JB	U F01,F06
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~2.5~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene	1.0	~~0.40~~	J	U F04,F06
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene	1.0	~~0.20~~	JB	U F01,F06
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

MM 3/22/00

DUPLICATE

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1024

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X609

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5 ~~2.94~~	JB	U FO1, FO6
75-15-0	Carbon disulfide	5.0	U	U
75 09 2	Methylene chloride	5 ~~2.4~~	JB	U FO1, FO6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0 ~~0.36~~	J	U FO4, FO6
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	0.072	J	J
1330-20-7	Xylenes (total)	3.0	U	U
100-42-5	Styrene	1.0 ~~0.17~~	JB	U FO1, FO6
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

MMP 3/27/00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1032

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X610

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone	5	~~0.43~~	JB	U F01,F06
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~2.3~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene	1.0	~~0.34~~	J	U F04,F06
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene	1.0	~~0.18~~	JB	U F01,F0(
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

MMP 3/27/00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1042

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X511

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5 ~~1.5~~	JB	U FD1,FD6
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride		5 ~~2.6~~	JB	U FD1,FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)	MPR 3/22/00	2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0 ~~0.34~~	J	U FD4,FD6
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0 ~~0.15~~	JB	U FD1,FD6
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1052

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X612

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone	5	~~0.62~~	JB
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~2.6~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene	1.0	~~0.37~~	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene	1.0	~~0.18~~	JB
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

mmb 3/24/00

U FO1, FO6

U FO1, FO6

U FO4, FO6

U FO1, FO6

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1062

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X613

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone	5	~~1.5~~	JB	U FD1, FD6
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~2.3~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone	5	~~1.3~~	J	U FD4, FD6
540-59-0	1,2-Dichloroethylene(total)		2.0	U	U
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	U
56-23-5	Carbon tetrachloride		1.0	U	U
107-06-2	1,2-Dichloroethane		1.0	U	U
71-43-2	Benzene		0.19	J	J
79-01-6	Trichloroethylene		1.0	U	U
78-87-5	1,2-Dichloropropane		1.0	U	U
75-27-4	Bromodichloromethane		1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	U
108-10-1	4-Methyl-2-pentanone		5.0	U	U
108-88-3	Toluene	1.0	~~0.39~~	J	U FD4, FD6
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	U
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	U
108-90-7	Chlorobenzene		1.0	U	U
100-41-4	Ethylbenzene		0.093	J	J
1330-20-7	Xylenes (total)		0.29	J	J
100-42-5	Styrene	1.0	~~0.15~~	JB	U FD1, FD6
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

MNP 3/22/00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1072

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X614

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND			Q	
74-87-3	Chloromethane		1.0	U	UJ A03
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	
75-15-0	Carbon disulfide		5.0	U	
75-09-2	Methylene chloride	5	~~1.9~~	JB	UJ, F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		0.85	J	J
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene	1.0	~~0.51~~	J	UJ, F04, F01
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		0.29	J	J
100-42-5	Styrene	1.0	~~0.16~~	JB	UJ, F01, F06
75-25-2	Bromoform		1.0	U	UJ
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	UJ

MP 3/22/00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1082

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X615

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5 ~~0.33~~	JB
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5 ~~2.7~~	JB
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.1	
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	15.8	
79-01-6	Trichloroethylene	0.30	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0 ~~0.66~~	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	0.29	J
100-42-5	Styrene	1.0 ~~0.16~~	JB
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

MMB 3/23/00

UJ A03

UJ, F01, F06

UJ, F01, F06

J, F04, F06

UJ, F01, F06

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1092

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA07W

Matrix: (soil/water) WATER Lab Sample ID: 22084010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X616

Level: (low/med) LOW Date Received: 02/21/00

% Moisture: not dec. _____ Date Analyzed: 02/26/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: __ ____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	
75-15-0	Carbon disulfide		5.0	U	
75-09-2	Methylene chloride	5	~~2.7~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	U
540-59-0	1,2-Dichloroethylene(total)		2.7		U =
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	U
56-23-5	Carbon tetrachloride		1.0	U	U
107-06-2	1,2-Dichloroethane		1.0	U	U
71-43-2	Benzene		17.6		J =
79-01-6	Trichloroethylene		0.28	J	J
78-87-5	1,2-Dichloropropane		1.0	U	U
75-27-4	Bromodichloromethane		1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	U
108-10-1	4-Methyl-2-pentanone		5.0	U	U
108-88-3	Toluene	1.0	~~0.81~~	J	U F04, F06
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		5.0	U	U
127-18-4	Tetrachloroethylene		1.0	U	U
124-48-1	Dibromochloromethane		1.0	U	U
108-90-7	Chlorobenzene		1.0	U	U
100-41-4	Ethylbenzene		1.0	U	U
1330-20-7	Xylenes (total)		0.36	J	J
100-42-5	Styrene	1.0	~~0.19~~	JB	U F01, F06
75-25-2	Bromoform		1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	U

MMP 3/22/00

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1112

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X132

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/21/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.9~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		6.7	
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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F01, F06

FORM I VOA OLM03.0

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1122

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X133

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/21/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	12.6		~~5~~ U
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.1~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	0.45	J	J
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	30.4		U
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1132

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X134

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/21/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	0.34	J
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.2	J
75-09-2	Methylene chloride	5 ~~2.1~~	JB F01, F06
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	1.9	J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	134 ~~161~~	D
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1142

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X135

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/21/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.1~~	JB	U FD1,FD6
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	0.36	J	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	27.4		
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1152

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X136

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5 ~~2.5~~		JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichlorcethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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U FD1, FD6

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FORM I VOA OLM03.0

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1162

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X137

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.0~~ 0	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		0.85	J
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1182

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X138

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.7	J
75-09-2	Methylene chloride	5	~~2.1~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		0.19	J
79-01-6	Trichloroethylene		1.7	
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1192

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X139

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	5.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5 ~~2.2~~	JB	U FO1, FO6
75-09-2	Methylene chloride	1.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
78-93-3	2-Butanone	2.0	U	
540-59-0	1,2-Dichloroethylene(total)	1.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0		
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	5.0	U	
108-10-1	4-Methyl-2-pentanone	1.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
591-78-6	2-Hexanone	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	3.0	U	
1330-20-7	Xylenes (total)	1.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane			

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1212

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052019

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X210

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		4.3	J	J <05
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~3.2~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene(total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0	U	
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)	3	~~0.35~~	J	U F04, F06
100-42-5	Styrene		1.0	U	U
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1216

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X133

Level: (low/med) LOW DATA VALIDATION COPY Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	19.6		J C05
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.2~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1222

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052020

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X211

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		6.4	
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~3.2~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.32	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		0.16	J
1330-20-7	Xylenes (total)	3	~~0.37~~	J
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1232

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X126

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/21/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: VSO (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		0.18	J
67-64-1	Acetone		1.4	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~2.6~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		3.8	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene	220	262	~~E~~ D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1242

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X127

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/21/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 USE

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	1.2	J	J COS
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.6~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	21.8		U
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	537 ~~372~~	E D	E
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1252

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X128

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	U
74-83-9	Bromomethane	1.0	U	U
75-00-3	Chloroethane	1.0	U	U
75-35-4	1,1-Dichloroethylene	1.0	U	U
67-64-1	Acetone	5.0	U	U
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.9~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	8.6		=
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	U
56-23-5	Carbon tetrachloride	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	U
71-43-2	Benzene	1.0	U	U
79-01-6	Trichloroethylene	86.0		=
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	U
108-10-1	4-Methyl-2-pentanone	5.0	U	U
108-88-3	Toluene	1.0	U	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
591-78-6	2-Hexanone	5.0	U	U
127-18-4	Tetrachloroethylene	1.0	U	U
124-48-1	Dibromochloromethane	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	U
100-41-4	Ethylbenzene	1.0	U	U
1330-20-7	Xylenes (total)	3.0	U	U
100-42-5	Styrene	1.0	U	U
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1262

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X129

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	~~5 2.1~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1272

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X130

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.1~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1282

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X131

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~3.3~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1292

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X132

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.2~~	JB	U FO1, FO6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1312

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X140

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0	U	
75-15-0	Carbon disulfide		5.0	U	
75-09-2	Methylene chloride	5	~~2.5~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane		1.0	U	
78-93-3	2-Butanone		8.9		
540-59-0	1,2-Dichloroethylene(total)		2.0	U	U
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		0.75	J	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79 00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)	3	~~0.46~~	JB	U FD1, FD6
100-42-5	Styrene		1.0	U	U
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1322

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X141

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~2.4~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		0.20	J
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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U FD1, FD6

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1332

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X142

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide	.98 ~~5~~	~~0.98~~	J
75-09-2	Methylene chloride	5	~~1.6~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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U FD1, FD2

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1342

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X143

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.8~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		0.40	J
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1352

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X144

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.2~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.4		
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	39.7		
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1362

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X145

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.4	J
75-09-2	Methylene chloride	5 ~~1.9~~	JB
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	2.1	
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	71.0	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1372

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X206

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~1.3~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1382

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X207

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	9.4		J CD5
67-64-1	Acetone	5.0	U	U
75-15-0	Carbon disulfide	5 ~~3.1~~	JB	U FD1, FD6
75-09-2	Methylene chloride	1.0	U	U
75-34-3	1,1-Dichloroethane	5.0	U	
78-93-3	2-Butanone	2.0	U	
540-59-0	1,2-Dichloroethylene(total)	1.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	5.0	U	
108-10-1	4-Methyl-2-pentanone	1.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
591-78-6	2-Hexanone	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	.17 ~~0.17~~	J	J
100-41-4	Ethylbenzene	3 ~~0.33~~	J	U FD4, FD6
1330-20-7	Xylenes (total)	1.0	U	U
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane			

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1392

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA02W

Matrix: (soil/water) WATER Lab Sample ID: 22052017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X208

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.4~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1412

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X206

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	U CDS
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~2.6~~	JB	U FDI, FDL
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1422

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X207

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 (uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	~~2.5~~	JB
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene(total)	4.9	
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	~~168~~ 183	~~E~~ D
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	0.71	J
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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DUPLICATE

EPA SAMPLE NO.

XX1424

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA04W

Matrix: (soil/water) WATER Lab Sample ID: 22054005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X309

Level: (low/med) LOW DATA VALIDATION COPY Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	1.0	U	UJ CDS
75-01-4	Vinyl chloride	1.0	U	U
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	2.6	J	J CDS
75-15-0	Carbon disulfide	5.0	U	UJ CDS
75-09-2	Methylene chloride	5 ~~2.3~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	5.8		=
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	251 ~~240~~	~~E~~ D	=
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	0.95	J	J
124-48-1	Dibromochloromethane	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0 ~~0.20~~	J	U FD4, FD1
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1432

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053019

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X208

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	U
74-83-9	Bromomethane	1.0	U	U
75-00-3	Chloroethane	1.0	U	U
75-35-4	1,1-Dichloroethylene	1.4		
67-64-1	Acetone	2.3	J	J COS
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~3.9~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	50.6		
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1040 ~~523~~	E D	~~J~~ N03
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	U
127-18-4	Tetrachloroethylene	7.5		
124-48-1	Dibromochloromethane	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	0.18	J	J
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1442

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053020

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X209

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ DATA VALIDATION COPY Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: 5 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		2.1	
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		4.0	
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~3.6~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		23.8	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		0.50	J
79-01-6	Trichloroethylene	3600	~~2560~~	E D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.35	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		0.24	J
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		32.5	
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		0.18	J
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1452

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA04W

Matrix: (soil/water) WATER Lab Sample ID: 22054001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X314

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		
74-87-3	Chloromethane	50.0	U	UJ C05
75-01-4	Vinyl chloride	50.0	U	U
74-83-9	Bromomethane	50.0	U	
75-00-3	Chloroethane	50.0	U	
75-35-4	1,1-Dichloroethylene	50.0	U	
67-64-1	Acetone	250	U	UJ C05
75-15-0	Carbon disulfide	250	U	UJ C05
75-09-2	Methylene chloride	250 ~~142~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	50.0	U	U
78-93-3	2-Butanone	250	U	U
540-59-0	1,2-Dichloroethylene(total)	22.1	J	J
67-66-3	Chloroform	50.0	U	U
71-55-6	1,1,1-Trichloroethane	50.0	U	
56-23-5	Carbon tetrachloride	50.0	U	
107-06-2	1,2-Dichloroethane	50.0	U	
71-43-2	Benzene	50.0	U	
79-01-6	Trichloroethylene	3700		=
78-87-5	1,2-Dichloropropane	50.0	U	U
75-27-4	Bromodichloromethane	50.0	U	
10061-01-5	cis-1,3-Dichloropropylene	50.0	U	
108-10-1	4-Methyl-2-pentanone	250	U	
108-88-3	Toluene	50.0	U	
10061-02-6	trans-1,3-Dichloropropylene	50.0	U	
79-00-5	1,1,2-Trichloroethane	50.0	U	
591-78-6	2-Hexanone	250	U	
127-18-4	Tetrachloroethylene	50.0	U	
124-48-1	Dibromochloromethane	50.0	U	
108-90-7	Chlorobenzene	50.0	U	
100-41-4	Ethylbenzene	50.0	U	
1330-20-7	Xylenes (total)	150	U	
100-42-5	Styrene	4.9	J	J F04, F08
75-25-2	Bromoform	50.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	50.0	U	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1462

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA04W

Matrix: (soil/water) WATER Lab Sample ID: 22054002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X315

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	50.0	U	UJ CO5
75-01-4	Vinyl chloride	50.0	U	U
74-83-9	Bromomethane	50.0	U	
75-00-3	Chloroethane	50.0	U	
75-35-4	1,1-Dichloroethylene	50.0	U	
67-64-1	Acetone	250	U	UJ CO5
75-15-0	Carbon disulfide	250	U	UJ CO5
75-09-2	Methylene chloride	250 ~~112~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	50.0	U	U
78-93-3	2-Butanone	250	U	U
540-59-0	1,2-Dichloroethylene(total)	25.3	J	J
67-66-3	Chloroform	50.0	U	U
71-55-6	1,1,1-Trichloroethane	50.0	U	
56-23-5	Carbon tetrachloride	50.0	U	
107-06-2	1,2-Dichloroethane	50.0	U	
71-43-2	Benzene	50.0	U	
79-01-6	Trichloroethylene	2830		U
78-87-5	1,2-Dichloropropane	50.0	U	
75-27-4	Bromodichloromethane	50.0	U	
10061-01-5	cis-1,3-Dichloropropylene	50.0	U	
108-10-1	4-Methyl-2-pentanone	250	U	
108-88-3	Toluene	50.0	U	
10061-02-6	trans-1,3-Dichloropropylene	50.0	U	
79-00-5	1,1,2-Trichloroethane	50.0	U	
591-78-6	2-Hexanone	250	U	
127-18-4	Tetrachloroethylene	50.0	U	
124-48-1	Dibromochloromethane	50.0	U	
108-90-7	Chlorobenzene	50.0	U	
100-41-4	Ethylbenzene	50.0	U	
1330-20-7	Xylenes (total)	150	U	
100-42-5	Styrene	50.0	U	
75-25-2	Bromoform	50.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1472

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA04W

Matrix: (soil/water) WATER Lab Sample ID: 22054003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X317

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	UJ CDS
75-01-4	Vinyl chloride	1.0	U	U
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	4.1	J	J CDS
75-15-0	Carbon disulfide	5.0	U	UJ CDS
75-09-2	Methylene chloride	5 ~~2.3~~	JB	U FD1, FD6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	11.8		=
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	0.82	J	J
79-01-6	Trichloroethylene	8.3		=
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.42	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0 ~~0.19~~	J	U FD4, FD1
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1482

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA04W

Matrix: (soil/water) WATER Lab Sample ID: 22054004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8X318

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/23/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	UJ CO5
75-01-4	Vinyl chloride	1.0	U	U
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	UJ CO5
75-15-0	Carbon disulfide	5.0	U	UJ CO5
75-09-2	Methylene chloride	5 ~~3.3~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	0.60	J	J
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0 ~~0.12~~	J	U F04, F06
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1512

Lab Name: GENERAL ENGINEERING LABCR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X134

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: ~~5~~ 5 ~~uL~~

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		2.4	
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		0.80	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5 ~~2.4~~		JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		7.8	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene	157 ~~186~~		E D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.6	
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

U = U ↓ J COS U U F01, F06 U U = U ↓ = U = U ↓

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1522

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X135

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	
75-01-4	Vinyl chloride	3.0		
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.0~~	JB	FD1, FD6
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	7.6		
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	83.0		
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.4		
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1532

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X136

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		3.4	
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		1.5	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	2.8	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)		9.7	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene	118	128	E D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.8	
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

U = U = U — J COS — U F01, F06 — U = U — U = U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1542

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X137

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume:_____(uL

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~2.0~~	JB	U FO1, FO6
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	9.0		U
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	198 ~~191~~	E D	U
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	2.1		U
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1552

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X138

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5 ~~1.9~~	JB	U FD1, FD2
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene(total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1562

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X139

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 USD

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		6.1	
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~3.2~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene(total)	501	~~422~~	~~E~~ D
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		0.66	J
79-01-6	Trichloroethylene	406	~~323~~	~~E~~ D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1572

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X205

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

DATA VALIDATION COPY

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	1.8	J	J COS
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	~~3.3~~ 5	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	63.9		
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	0.40	J	J
79-01-6	Trichloroethylene	1.0		
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	U
108-88-3	Toluene	0.34	J	J
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	0.21	J	J
75-25-2	Bromoform	1.0	U	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1582

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: USTMCA03W

Matrix: (soil/water) WATER Lab Sample ID: 22053016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2X141

Level: (low/med) LOW Date Received: 02/18/00

% Moisture: not dec. _____ Date Analyzed: 02/22/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

VALIDATION COPY

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	~~5~~ 3.1	JB	U FOI, FOL
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene(total)	7.2		U
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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CHAIN OF CUSTODY RECORD

COC NO.: MCAØØ1

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Laura Lumley (Printed Name: Laura Lumley)

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556 8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
AA0811	2/17/00	1025	Soil	1	1		2		
AA0911	2/17/00	1107		1	1		2		
AB0811	2/17/00	1245		1	1		2		
XX1112	2/16/00	1104	water			2	2		
XX1122	2/16/00	1203				2	2		
XX1132	2/16/00	1250				2	2		
XX1142	2/16/00	1325				2	2		
XX1152	2/16/00	1412				2	2		
XX1162	2/16/00	1531				2	2		
XX1182	2/16/00	1736				2	2		
XX1192	2/16/00	1629				2	2		
XX1312	2/16/00	1045				2	2		
XX1322	2/16/00	1205				2	2		

REQUESTED PARAMETERS: BTEX, PAH, VOC

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Laura Lumley	2/18/00 1140	Patricia Dover	2-18-00 14:20
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
COMPANY NAME:	2/18/00 1140	COMPANY NAME:	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
COMPANY NAME: GEL	2/18/00 1420	COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS:

Cooler Temperature: 4°C

Cooler ID: #489

FEDEX NUMBER:

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2 of 4

CHAIN OF CUSTODY RECORD

COC NO.: MCAØØ1

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX1332	2/16/00	1230	water			2	2		
XX1342	2/16/00	1250				2	2		
XX1352	2/16/00	1312				2	2		
XX1362	2/16/00	1335				2	2		
XX1372	2/16/00	1442				2	2		
XX1382	2/16/00	1510				2	2		
XX1392	2/16/00	1550				2	2		
HP0023	2/16/00	0600				2	2		
XX1212	2/17/00	0923				2	2		
XX1222	2/17/00	0950				2	2		
XX1232	2/17/00	1007				2	2		
XX1242	2/17/00	1030				2	2		
XX1252	2/17/00	1050				2	2		

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature:
Laura Lumley	2/16/00	Patricia Dover	2-18-00		4°c
COMPANY NAME: SAIC	1140	COMPANY NAME: GEL	1420	Cooler ID: #489	FEDEX NUMBER:
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
	2-18-00				
COMPANY NAME:	1140	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time		
COMPANY NAME:		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: MCAØØ1

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX1262	2/17/00	1115	water			2	2		
XX1272	2/17/00	1220				2	2		
XX1282	2/17/00	1255				2	2		
XX1292	2/17/00	1340				2	2		
XX1216	2/17/00	0940				2	2		
XX1512	2/17/00	1506				2	2		
XX1522	2/17/00	1520				2	2		
XX1532	2/17/00	1545				2	2		
XX1542	2/17/00	1605				2	2		
XX1552	2/17/00	1624				2	2		
XX1562	2/17/00	1649				2	2		
XX1572	2/17/00	1721				2	2		
XX1582	2/17/00	1746	↓			2	2		

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature:
Laura Lumley	2/18/00 1140	Patricia Dover	2-18-00 14:20	Cooler ID: #489	FEDEX NUMBER:
COMPANY NAME: SAIC		COMPANY NAME: GEL			
RELINQUISHED BY:	Date/Time 2/18/00 1140	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY:	Date/Time 2/18/00 1420	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: MCA00 1

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX1412	2/17/00	1432	water			2	2		
XX1422	2/17/00	1455				2	2		
XX1432	2/17/00	1517				2	2		
XX1442	2/17/00	1542				2	2		
XX1452	2/17/00	1610				2	2		
XX1462	2/17/00	1640				2	2		
XX1472	2/17/00	1705				2	2		
XX1482	2/17/00	1732				2	2		
XX1424	2/17/00	1455				2	2		
HP0024	2/17/00	0745	↓			2	2		

2/18/00

22a 22053

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Laura Lumley	2/18/00	Patricia Dover	2-18-00
COMPANY NAME: SAIC	1140	COMPANY NAME: GEL	14:20
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
COMPANY NAME: GEL	2-18-00 1140	COMPANY NAME:	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
COMPANY NAME:	2/18-00 1140	COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 98

Cooler ID: # 489

Cooler Temperature: 4°c

FEDEX NUMBER:

A-149

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1846

CHAIN OF CUSTODY RECORD

COC NO.: MCA002

PROJECT NAME: MCA Barracks and Misc UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556 8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
MP 0027	2/20/00	0730	water			2	2		22082 001
XX 0412	2/20/00	0845				2	2		002
XX 0422	2/20/00	0903				2	2		003
XX 0424	2/20/00	0903				2	2		004
XX 0432	2/20/00	0936				2	2		005
XX 0442	2/20/00	0957				2	2		006
XX 0452	2/20/00	1020				2	2		007
XX 0462	2/20/00	1047				2	2		008
XX 0472	2/20/00	1116				2	2		009
XX 0482	2/20/00	1146				2	2		010
XX 0492	2/20/00	1216				2	2		011
XX 0512	2/20/00	0955				2	2		012
XX 0522	2/20/00	1021				2	2		013

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature: 4°C
COMPANY NAME: SAIC	2/21/00 1200	COMPANY NAME: GEL	2/21/00 1455	Cooler ID: #10	FEDEX NUMBER:
RELINQUISHED BY:	Date/Time 2/21/00 1200	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY:	Date/Time 2/21/00 1455	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: MCA004Z

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX0532	2/20/00	1041	water			2	2		22082014
XX0542	2/20/00	1104				2	2		015
XX0552	2/20/00	1125				2	2		016
XX0562	2/20/00	1155				2	2		017
XX0572	2/20/00	1315				2	2		018
XX0582	2/20/00	1352				2	2		019
XX0592	2/20/00	1445				2	2		020
XX0712	2/19/00	0905				2	2		22083001 .2
XX0722	2/19/00	0920				2	2		002
XX0732	2/19/00	0935				2	2		003
XX0742	2/19/00	1000				2	2		004
XX0752	2/19/00	1017				2	2		005
XX0762	2/19/00	1040				2	2		006

	Date/Time		Date/Time		
RELINQUISHED BY: Laura Lumley	2/21/00 1200	RECEIVED BY:	2/21/00 1455	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID: #10	FEDEX NUMBER:
RECEIVED BY:	Date/Time 2/21/00 1200	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY:	Date/Time 2/21/00 1455	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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SAIC An Employee-Owned Company
Science Applications International Corporation
800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: MCA002

*PROJECT NAME: MCA Barracks and Misc. UST Investigations

*PROJECT NUMBER: 01-1624-04-2725-200

*PROJECT MANAGER: Patty Stoll

Sampler (Signature): Laura Lumley (Printed Name): Laura Lumley

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX0772	2/19/00	1105	water			2	2		22083007
XX0782	2/19/00	1146				2	2		008
XX0792	2/19/00	1315				2	2		009
HP0026	2/19/00	0730				2	2		010
XX0612	2/19/00	1346				2	2		011
XX0622	2/19/00	1407				2	2		012
XX0624	2/19/00	1407				2	2		013
XX0632	2/19/00	1431				2	2		014
XX0642	2/19/00	1458				2	2		015
XX0652	2/19/00	1521				2	2		016
XX0662	2/19/00	1603				2	2		017
XX0672	2/19/00	1647				2	2		018
XX0682	2/19/00	1730	↓			2	2		019

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Laura Lumley	2/21/00		
COMPANY NAME: SAIC	1200	COMPANY NAME:	
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
	2/21/00		
COMPANY NAME: GEL	1200	COMPANY NAME:	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
	2/21/00		
COMPANY NAME: GEL	1455	COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS:

Cooler ID: #10

Cooler Temperature: 4°C

FEDEX NUMBER:

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SAIC An Employee-Owned Company
Applications International Corporation
Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

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CHAIN OF CUSTODY RECORD

COC NO.: MCA002

T NAME: MCA Barracks and Misc. UST Investigations

T NUMBER: 01-1624-04-2725-200

T MANAGER: Patty Stoll

Signature: Laura Lumley (Printed Name: Laura Lumley)

REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX0092	2/19/00	1422	water			2	2		22083020 .2
XX1012	2/18/00	0946				2	2		22084001 .3
XX1022	2/16/00	1005				2	2		002
XX1024	2/16/00	1005				2	2		003
XX1032	2/16/00	1022				2	2		004
XX1042	2/16/00	1040				2	2		005
XX1052	2/16/00	1054				2	2		006
XX1062	2/18/00	1541				2	2		007
XX1072	2/16/00	1616				2	2		008
XX1082	2/16/00	1705				2	2		009
XX1092	2/16/00	1746				2	2		010
XX0812	2/18/00	0935				2	2		011
XX0822	2/18/00	0953	↓			2	2		012

ISHED BY: Laura Lumley	Date/Time 2/21/00 1200	RECEIVED BY: Frances	Date/Time 2/21/00 1455	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature: 4°C
Y NAME: SAIC		COMPANY NAME: GEL		Cooler ID: #10	FEDEX NUMBER:
BY: [illegible]	Date/Time 2/21/00 1200	RELINQUISHED BY:	Date/Time		
Y NAME: [illegible]		COMPANY NAME:			
SHED BY: [illegible]	Date/Time 2/21/00 1445	RECEIVED BY:	Date/Time		
Y NAME: [illegible]		COMPANY NAME:			

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SAIC An Employee-Owned Company
Science Applications International Corporation
800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: MCA002

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Laura Lumley (Printed Name): Laura Lumley

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
XX0824	2/16/00	0953	water			2	2		22084013
XX0832	2/16/00	1013				2	2		014
XX0842	2/16/00	1036				2	2		015
XX0852	2/16/00	1103				2	2		016
XX0862	2/16/00	1133				2	2		017
XX0872	2/16/00	1200				2	2		018
XX0892	2/16/00	1304				2	2		019
HP0025	2/16/00	0745				2	2		020
XX0912	2/16/00	1513				2	2		22085001
XX0922	2/16/00	1526				2	2		002
XX0932	2/16/00	1546				2	2		003
XX0942	2/16/00	1634				2	2		004
XX0952	2/16/00	1717				2	2		005

Cooler Temperature: 4°C

TOTAL NUMBER OF CONTAINERS:

Cooler ID: #10

FEDEX NUMBER:

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Laura Lumley	2/21/00 1250		2/21/00 1455
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY:	Date/Time 2/21/00	RELINQUISHED BY:	Date/Time
COMPANY NAME: GEL	1200	COMPANY NAME:	
RELINQUISHED BY:	Date/Time 2/21/00	RECEIVED BY:	Date/Time
COMPANY NAME: GEL	1415	COMPANY NAME:	

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SAIC An Employee-Owned Company
Science Applications International Corporation
800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: MCA00Z

PROJECT NAME: MCA Barracks and Misc. UST Investigations

PROJECT NUMBER: 01-1624-04-2725-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Laura Lumley (Printed Name) Laura Lumley

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	VOC	No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX096Z	2/14/00	1741	water			2	2		22085006
XX097Z	2/14/00	1613				2	2		007
XX099Z	2/14/00	1050				2	2		008
AM291Z	2/14/00	1400	↓			2	2		009
321311	2/21/00	1000	Soil	1	1		2		22087001

REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417

PHONE NO: (843) 556-8171

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Laura Lumley	2/21/00	Francis	2/21/00
COMPANY NAME: SAIC	1200	COMPANY NAME: GEL	1455
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
COMPANY NAME: GEL	2/21/00 1200	COMPANY NAME:	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
COMPANY NAME:	2/21/00 1455	COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 140

Cooler ID: #10

Cooler Temperature: 4°C

FEDEX NUMBER:

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GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 2001

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1612

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J331

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.5		U F04, F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~1.9~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1622

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J332

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.0		U F04, F06
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.4~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene (total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0	U	
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

DATA VALIDATION COPY

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1632

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J333

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.3		U F04, F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~1.4~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1712

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J334

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		53.1		U F04, F07
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.1~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		7.7		U F04, F07
540-59-0	1,2-Dichloroethylene (total)		2.0	U	U
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		0.62	J	J
56-23-5	Carbon tetrachloride		1.0	U	U
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene	1.0	~~0.30~~	J	U F04, F06
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

DATA VALIDATION COPY

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1722

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J413

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	13.5	B	U F01, F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5 ~~2.0~~	J	U F04, F06
540-59-0	1,2-Dichloroethylene (total)	0.45	J	J
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	3.4		=
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0 ~~0.59~~	J	U F04, F06
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	0.74	J	J
1330-20-7	Xylenes (total)	3.0	U	U
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

DATA VALIDATION COPY

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1812

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J335

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		12.0	
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.6~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone	5	~~2.0~~	J
540-59-0	1,2-Dichloroethylene (total)		100	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		0.56	J
79-01-6	Trichloroethylene		5.1	
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene	1.0	~~0.55~~	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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U F04, F07
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U F01, F06
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1822

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J336

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	20.0		U F04,F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~1.8~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5 ~~3.7~~	J	U F04,F06
540-59-0	1,2-Dichloroethylene (total)	37.7		=
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	1.0	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.2		U F04,F07
79-00-5	1,1,2-Trichloroethane	1.0	U	U
591-78-6	2-Hexanone	1.0	U	
127-18-4	Tetrachloroethylene	5.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	1.0	U	
100-42-5	Styrene	3.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1832

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J337

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		5.6	
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.2~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene (total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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U F04, F07
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U F01, F06
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE
EPA SAMPLE NO.
XX1834

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A
Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871
Matrix: (soil/water) WATER Lab Sample ID: 51871010
Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J338
Level: (low/med) LOW Date Received: 11/12/01
% Moisture: not dec. _____ Date Analyzed: 11/15/01
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	5.8		U F04,F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5 ~~1.5~~	JB	U F01,F06
75-34-3	1,1-Dichloroethane	1.0	U	U
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1912

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J414

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	11.4	B	U F01,F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.0	U	U
75-34-3	1,1-Dichloroethane	0.36	J	J
78-93-3	2-Butanone	5 ~~2.1~~	J	J F04,F06
540-59-0	1,2-Dichloroethylene (total)	23.1		
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	0.58	J	J
79-01-6	Trichloroethylene	0.48	J	J
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	U
108-88-3	Toluene	1.4		U F04,F07
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	0.28	J	J
1330-20-7	Xylenes (total)	1.2	J	J
100-42-5	Styrene	1.0	U	U
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1922

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J341

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	6.5		U F01, F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	~~1.8~~ 5	JB	U F01, F06
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	U
540-59-0	1,2-Dichloroethylene (total)	2.3		U
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	4.6		U
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.2		U F04, F07
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	0.22	J	J
1330-20-7	Xylenes (total)	0.54	J	J
100-42-5	Styrene	1.0	U	U
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX1932

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J415

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	9.2	B	U F01, F07
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5.0	U	U
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0 ~~0.52~~	J	U F04, F06
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2012

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J411

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	5.0	U	U
75-01-4	Vinyl chloride	5.0	U	
74-83-9	Bromomethane	5.0	U	
75-00-3	Chloroethane	5.0	U	
75-35-4	1,1-Dichloroethylene	5.0	U	
67-64-1	Acetone	26.1	B	U F01,F07
75-15-0	Carbon disulfide	25.0	U	U
75-09-2	Methylene chloride	25.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
78-93-3	2-Butanone	25.0	U	
540-59-0	1,2-Dichloroethylene (total)	16.8		= U
67-66-3	Chloroform	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon tetrachloride	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethylene	457		= U
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropylene	5.0	U	
108-10-1	4-Methyl-2-pentanone	25.0	U	
108-88-3	Toluene	5.0	U	
10061-02-6	trans-1,3-Dichloropropylene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
591-78-6	2-Hexanone	25.0	U	
127-18-4	Tetrachloroethylene	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethylbenzene	5.0	U	
1330-20-7	Xylenes (total)	15.0	U	
100-42-5	Styrene	5.0	U	
75-25-2	Bromoform	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2022

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J339

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

USQ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0		=
67-64-1	Acetone		6.4		U F04, F07
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.0~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	U
540-59-0	1,2-Dichloroethylene (total)		29.8		=
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		0.55	J	J
79-01-6	Trichloroethylene	818	~~826~~	~~E~~ D	=
78-87-5	1,2-Dichloropropane		1.0	U	U
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene	1.0	~~0.75~~	J	U F04, F06
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	U
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		0.27	J	J
124-48-1	Dibromochloromethane		1.0	U	U
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2032

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J412

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

USE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane	5.0	U		U
75-01-4	Vinyl chloride	5.0	U		
74-83-9	Bromomethane	5.0	U		
75-00-3	Chloroethane	5.0	U		
75-35-4	1,1-Dichloroethylene	5.0	U		
67-64-1	Acetone	32.6	B		U F01, F07
75-15-0	Carbon disulfide	25.0	U		U
75-09-2	Methylene chloride	25.0	U		
75-34-3	1,1-Dichloroethane	5.0	U		
78-93-3	2-Butanone	25.0	U		
540-59-0	1,2-Dichloroethylene (total)	50.0			= U
67-66-3	Chloroform	5.0	U		U
71-55-6	1,1,1-Trichloroethane	5.0	U		
56-23-5	Carbon tetrachloride	5.0	U		
107-06-2	1,2-Dichloroethane	5.0	U		
71-43-2	Benzene	1.9	J		J
79-01-6	Trichloroethylene	476	~~561~~ E	D	= U
78-87-5	1,2-Dichloropropane	5.0	U		
75-27-4	Bromodichloromethane	5.0	U		
10061-01-5	cis-1,3-Dichloropropylene	5.0	U		
108-10-1	4-Methyl-2-pentanone	25.0	U		
108-88-3	Toluene	5 ~~1.9~~	J		U F04, F06
10061-02-6	trans-1,3-Dichloropropylene	5.0	U		U
79-00-5	1,1,2-Trichloroethane	5.0	U		
591-78-6	2-Hexanone	25.0	U		
127-18-4	Tetrachloroethylene	5.0	U		
124-48-1	Dibromochloromethane	5.0	U		
108-90-7	Chlorobenzene	5.0	U		
100-41-4	Ethylbenzene	5.0	U		
1330-20-7	Xylenes (total)	15.0	U		
100-42-5	Styrene	5.0	U		
75-25-2	Bromoform	5.0	U		
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U		

DATA VALIDATION COPY

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2112

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J416

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	10.7	B	U F01,F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5 ~~2.0~~	J	U F04,F06
540-59-0	1,2-Dichloroethylene (total)	2.2		
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	0.39	J	J
79-01-6	Trichloroethylene	1.3		
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	U
108-88-3	Toluene	1.6		U F04,F07
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	U
127-18-4	Tetrachloroethylene	2.3		
124-48-1	Dibromochloromethane	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	0.61	J	J
1330-20-7	Xylenes (total)	1.8	J	J
100-42-5	Styrene	1.0	U	U
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2122

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J342

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	u
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		5.8		u F04, F07
75-15-0	Carbon disulfide		5.0	U	u
75-09-2	Methylene chloride	5	~~1.6~~	JB	U F01, F06
75-34-3	1,1-Dichloroethane		1.0	U	u
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene (total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		2.1		= F04, F08
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	u
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		0.41	J	J
1330-20-7	Xylenes (total)		2.1	J	J
100-42-5	Styrene		1.0	U	u
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2132

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871019

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J349

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	10.0	U	U
75-01-4	Vinyl chloride	10.0	U	
74-83-9	Bromomethane	10.0	U	
75-00-3	Chloroethane	10.0	U	
75-35-4	1,1-Dichloroethylene	10.0	U	
67-64-1	Acetone	50.0	U	
75-15-0	Carbon disulfide	50.0	U	
75-09-2	Methylene chloride	50 ~~49~~ 2	JB	U F01, F06
75-34-3	1,1-Dichloroethane	10.0	U	
78-93-3	2-Butanone	50.0	U	U
540-59-0	1,2-Dichloroethylene (total)	636		U
67-66-3	Chloroform	10.0	U	U
71-55-6	1,1,1-Trichloroethane	10.0	U	
56-23-5	Carbon tetrachloride	10.0	U	
107-06-2	1,2-Dichloroethane	10.0	U	
71-43-2	Benzene	10.0	U	
79-01-6	Trichloroethylene	122		=
78-87-5	1,2-Dichloropropane	10.0	U	U
75-27-4	Bromodichloromethane	10.0	U	
10061-01-5	cis-1,3-Dichloropropylene	10.0	U	
108-10-1	4-Methyl-2-pentanone	50.0	U	
108-88-3	Toluene	10 ~~3.0~~	J	U F04, F06
10061-02-6	trans-1,3-Dichloropropylene	10.0	U	U
79-00-5	1,1,2-Trichloroethane	10.0	U	
591-78-6	2-Hexanone	50.0	U	
127-18-4	Tetrachloroethylene	10.0	U	
124-48-1	Dibromochloromethane	10.0	U	
108-90-7	Chlorobenzene	10.0	U	
100-41-4	Ethylbenzene	10.0	U	
1330-20-7	Xylenes (total)	30.0	U	
100-42-5	Styrene	10.0	U	
75-25-2	Bromoform	10.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2212

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871020

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J343

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

USQ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L			
74-87-3	Chloromethane		1.0	U	U
75-01-4	Vinyl chloride		1.0	U	U
74-83-9	Bromomethane		1.0	U	U
75-00-3	Chloroethane		1.0	U	U
75-35-4	1,1-Dichloroethylene		3.4		=
67-64-1	Acetone	5	~~4.8~~	J	U FO4, Fo6
75-15-0	Carbon disulfide		5.0	U	U
75-09-2	Methylene chloride	5	~~1.9~~	JB	U Fo1, Fo6
75-34-3	1,1-Dichloroethane		1.0	U	U
78-93-3	2-Butanone		5.0	U	U
540-59-0	1,2-Dichloroethylene (total)		148		=
67-66-3	Chloroform		1.0	U	U
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane	1040	~~970~~	~~E~~ D	=
75-27-4	Bromodichloromethane		1.0	U	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		1.0	U	
108-88-3	Toluene		5.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	~~0.24~~	J	U FO4, Fo6
79-00-5	1,1,2-Trichloroethane		1.0	U	U
591-78-6	2-Hexanone		1.0	U	
127-18-4	Tetrachloroethylene		5.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		1.0	U	
100-42-5	Styrene		3.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2222

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J431

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	54.8	
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	11.6	
540-59-0	1,2-Dichloroethylene (total)	15.8	
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	0.65	J
79-01-6	Trichloroethylene	26.7	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.5	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2232

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J432

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/15/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

USE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichlorcethylene		2.4	
67-64-1	Acetone		4.0	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
75-34-3	1,1-Dichloroethane		0.25	J
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene (total)		85.7	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene	511	~~548~~ 2	D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2312

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J439

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		
74-87-3	Chloromethane	1.0	U	u
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	8.2		
75-15-0	Carbon disulfide	5.0	U	
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	2.0	J	
540-59-0	1,2-Dichloroethylene (total)	0.78	J	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	0.68	J	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	0.18	J	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2322

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J511

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		13.6	
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.8~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene (total)		2.6	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		0.30	J
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		1.6	J
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

F01, F06

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2332

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J441

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	u
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	17.1		=
75-15-0	Carbon disulfide	5.0	U	u
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	2.0	U	
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2412

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J507

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.61	J
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	4.1	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5 ~~0.51~~	JB
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene (total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2422

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J434

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	4.1	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene (total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2432

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J435

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	3.9	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene (total)	2.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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EPA SAMPLE NO.

XX2512

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J436

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

USL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	0.66	J
67-64-1	Acetone	4.4	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene (total)	61.4	
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	272 ~~219~~	~~E~~ D
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2522

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J437

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

USE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		0.44	J
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		0.73	J
67-64-1	Acetone		3.6	J
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
540-59-0	1,2-Dichloroethylene (total)		68.4	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene	91.8	1.0	D
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2532

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51875

Matrix: (soil/water) WATER Lab Sample ID: 51875008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 8J510

Level: (low/med) LOW Date Received: 11/10/01

% Moisture: not dec. _____ Date Analyzed: 11/16/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q	
74-87-3	Chloromethane		1.0	U	u
75-01-4	Vinyl chloride		1.0	U	
74-83-9	Bromomethane		1.0	U	
75-00-3	Chloroethane		1.0	U	
75-35-4	1,1-Dichloroethylene		1.0	U	
67-64-1	Acetone		2.3	J	J
75-15-0	Carbon disulfide		5.0	U	u
75-09-2	Methylene chloride	5	~~1.6~~	JB	u F01,F06
75-34-3	1,1-Dichloroethane		1.0	U	u
78-93-3	2-Butanone		5.0	U	
540-59-0	1,2-Dichloroethylene (total)		2.0	U	
67-66-3	Chloroform		1.0	U	
71-55-6	1,1,1-Trichloroethane		1.0	U	
56-23-5	Carbon tetrachloride		1.0	U	
107-06-2	1,2-Dichloroethane		1.0	U	
71-43-2	Benzene		1.0	U	
79-01-6	Trichloroethylene		1.0	U	
78-87-5	1,2-Dichloropropane		1.0	U	
75-27-4	Bromodichloromethane		1.0	U	
10061-01-5	cis-1,3-Dichloropropylene		1.0	U	
108-10-1	4-Methyl-2-pentanone		5.0	U	
108-88-3	Toluene		1.0	U	
10061-02-6	trans-1,3-Dichloropropylene		1.0	U	
79-00-5	1,1,2-Trichloroethane		1.0	U	
591-78-6	2-Hexanone		5.0	U	
127-18-4	Tetrachloroethylene		1.0	U	
124-48-1	Dibromochloromethane		1.0	U	
108-90-7	Chlorobenzene		1.0	U	
100-41-4	Ethylbenzene		1.0	U	
1330-20-7	Xylenes (total)		3.0	U	
100-42-5	Styrene		1.0	U	
75-25-2	Bromoform		1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2612

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 53618

Matrix: (soil/water) WATER Lab Sample ID: 53618003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 80408

Level: (low/med) LOW Date Received: 12/17/01

% Moisture: not dec. _____ Date Analyzed: 12/20/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	102	B	FO1, FO8
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	1.8	J	J
67-66-3	Chloroform	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	9.5		
78-87-5	1,2-Dichloropropane	1.0	U	U
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	0.55	J	J
124-48-1	Dibromochloromethane	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2622

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 53618

Matrix: (soil/water) WATER Lab Sample ID: 53618004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 80313

Level: (low/med) LOW Date Received: 12/17/01

% Moisture: not dec. _____ Date Analyzed: 12/19/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	1.0	U	U
75-01-4	Vinyl chloride	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-35-4	1,1-Dichloroethylene	1.0	U	
67-64-1	Acetone	26.2	B	U F01,F07
75-15-0	Carbon disulfide	5.0	U	U
75-09-2	Methylene chloride	5.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
78-93-3	2-Butanone	5.0	U	
540-59-0	1,2-Dichloroethylene (total)	2.3		= U
67-66-3	Chloroform	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon tetrachloride	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
71-43-2	Benzene	1.0	U	
79-01-6	Trichloroethylene	17.8		= U
78-87-5	1,2-Dichloropropane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
10061-01-5	cis-1,3-Dichloropropylene	1.0	U	
108-10-1	4-Methyl-2-pentanone	5.0	U	
108-88-3	Toluene	1.0	U	
10061-02-6	trans-1,3-Dichloropropylene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
591-78-6	2-Hexanone	5.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
1330-20-7	Xylenes (total)	3.0	U	
100-42-5	Styrene	1.0	U	
75-25-2	Bromoform	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	

DATA VALIDATION COPY

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XX2632

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 53618

Matrix: (soil/water) WATER Lab Sample ID: 53618005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 80314

Level: (low/med) LOW Date Received: 12/17/01

% Moisture: not dec. _____ Date Analyzed: 12/19/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethylene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
540-59-0	1,2-Dichloroethylene (total)	1.6	J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethylene	10.3	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropylene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropylene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethylene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U

DATA VALIDATION COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

EPA SAMPLE NO.

HTM0001

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 51871

Matrix: (soil/water) WATER Lab Sample ID: 51871001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2J330

Level: (low/med) LOW Date Received: 11/12/01

% Moisture: not dec. _____ Date Analyzed: 11/14/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-35-4	1,1-Dichloroethylene		1.0	U
67-64-1	Acetone		16.2	
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride	5	~~1.7~~	JB
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		3.5	J
540-59-0	1,2-Dichloroethylene (total)		2.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethylene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropylene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.17	J
10061-02-6	trans-1,3-Dichloropropylene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
591-78-6	2-Hexanone		5.0	U
127-18-4	Tetrachloroethylene		1.0	U
124-48-1	Dibromochloromethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylenes (total)		3.0	U
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U

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200 of 51871

CHAIN OF CUSTODY RECORD 51875

COC NO.: GMCA001

PROJECT NAME: MCA Barracks, HAA-15

PROJECT NUMBER: 01-1624-04-2725-240

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Cynthia L Abbott (Printed Name): Cynthia L. Abbott

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

	Sample ID	Date Collected	Time Collected	Matrix	VOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
001	HHA0001	11/08/01	0800	water	2	2	Na	Na
002	XX1612		1538		2	2		
003	XX1622		1610		2	2		
004	XX1632		1643		2	2		
005	XX1712		1815		2	2		
006	XX1722	11/09/01	0710		2	2		
007	XX1812		0750		2	2		
008	XX1822		0837		2	2		
009	XX1832		0855		2	2		Y
010	XX1834		0855		2	2		Field dupe.
011	XX2012		1030		2	2		Na
012	XX2022		1048		2	2		
013	XX2032		1118		2	2		

RELINQUISHED BY: Cynthia L Abbott	Date/Time 11/10/01 1300	RECEIVED BY: Paulette Mendell	Date/Time 11/10/01 1315	TOTAL NUMBER OF CONTAINERS: 69	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID: 487	FEDEX NUMBER:
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time	page 1 of 3	
COMPANY NAME:		COMPANY NAME:			
RELINQUISHED BY: Paulette Mendell	Date/Time 11/10/01 1600	RECEIVED BY: Mike Sinister	Date/Time 11-10-01 1600		
COMPANY NAME: GEL		COMPANY NAME: GEL			

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CHAIN OF CUSTODY RECORD

COC NO.: GMXA001

PROJECT NAME: MCA Barracks, HAA-15

PROJECT NUMBER: 01-1624-04-2725-240

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Cynthia L Abbott (Printed Name): Cynthia L. Abbott

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

	Sample ID	Date Collected	Time Collected	Matrix	VOC	Phenols	Oil/GREASE	pH	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
04	XX1912	11/08/01	1214	Water	2				2	Na	Na
15	XX1922		1227		2				2		
16	XX1932		1253		2				2		
17	XX2112		1415		2				2		
18	XX2122		1433		2				2		
19	XX2132		1508		2				2		
20	XX2212		1740		2				2		
21	XX2222		1807		2				2		
22	XX2232		1820		2				2		
23	XX2412		~~1801~~ 1601		2				2		
24	XX2422		1620		2				2		
25	XX2432		1648		2				2		
12	IDW040	↓	0845	↓	2	2	2	1	7	↓	↓

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 69	Cooler Temperature: 4°C
Cynthia L. Abbott	11/10/01	Paulette Wendell	11/10/01	Cooler ID: 487	FEDEX NUMBER:
COMPANY NAME: SAIC	1300	COMPANY NAME: GEL	1315		
RECEIVED BY: Mike Kinsler	Date/Time 11-10-01	RELINQUISHED BY:	Date/Time	page 2 of 3	
COMPANY NAME: GEL	1600	COMPANY NAME:			
RELINQUISHED BY: Paulette Wendell	Date/Time 11/10/01	RECEIVED BY: Mike Kinsler	Date/Time 11-10-01		
COMPANY NAME: GEL	1600	COMPANY NAME: GEL	1602		

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CHAIN OF CUSTODY RECORD

COC NO.: GMCA001

PROJECT NAME: ~~PDOYard~~ GAP
MCA Barracks

PROJECT NUMBER: ~~01-1624-04-1113-100~~ GAP
01-1624-04-2725-240

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Cynthia L. Abbott (Printed Name): Cynthia L. Abbott

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29417

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	VOC	TCLP VOC GAP	TCLP RCRA Metals GAP	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
XX2512	11/10/01	0700	Water	2			2	NA	NA
XX2522	"	0718	"	2			2	"	"
XX2532	"	0743	"	2			2	"	"
XX2312	"	0839	"	2			2	"	"
XX2322	"	0908	"	2			2	"	"
XX2332	"	0846	"	2			2	"	"

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Cynthia L Abbott	11/10/01	Paulette Underdell	11/10/01
COMPANY NAME: SAIC	1300	COMPANY NAME: GEL	1315
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY: Paulette Underdell	Date/Time 11/10/01	RECEIVED BY: Mike Kershaw	Date/Time 11-10-01
COMPANY NAME: GEL	1600	COMPANY NAME: GEL	1600

TOTAL NUMBER OF CONTAINERS: 69
Cooler ID: 487
Cooler Temperature: 4°C
FEDEX NUMBER:

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CHAIN OF CUSTODY RECORD 53618

COC NO.: HMCA11

PROJECT NAME: ~~HAAF USTs 25&26~~ MCA BARRACKS

PROJECT NUMBER: 01-1624-04-2725-240

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	TPH-GRO	PAH, TPH-DRO	PAH, TPH-DRO, TOC	Dissolved Iron	VOC	Oil & Grease	Phenols	pH	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
HDW010	12/16/01	1000	Water							2	2	2	1	7		Quick TAT
HDW011	12/16/01	1745 30	Water							2	2	2	1	7		Quick Turn
XX2612	12/16/01	1135	water							2				2		7day
XX2622	12/16/01	1136	water							2				2		7day
XX2632	12/16/01	1137	water							2				2		7day
HTB111	12/16/01	1100	water							2				2		

12/17/01

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Patricia A Stoll	12/17/01 1145	Mustan Kandle	12/17/01 1430
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY: Patricia A Stoll	Date/Time 12/17/01 1145	RELINQUISHED BY:	Date/Time
COMPANY NAME: SAIC		COMPANY NAME:	
RELINQUISHED BY: Patricia A Stoll	Date/Time 12/17/01 1430	RECEIVED BY:	Date/Time
COMPANY NAME: SAIC		COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 22

Cooler ID: 9-14-00

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

GROUNDWATER ANALYTICAL RESULTS
DECEMBER 2002

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1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1509

Sample ID: HAAF-MVP-1-10
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166515
Date Collected: 12/6/02 Time: 16:15
Dilution Factor: 10
Date Analyzed: 12/9/02 Time: 23:23
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	2.22	20
71-55-6	1,1,1-Trichloroethane		µg/l	U	1.8	20
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	1	20
79-00-5	1,1,2-Trichloroethane		µg/l	U	1.43	20
75-34-3	1,1-Dichloroethane		µg/l	U	2.14	20
75-35-4	1,1-Dichloroethene		µg/l	U	1.83	20
563-58-6	1,1-Dichloropropene		µg/l	U	1	20
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	1.42	20
96-18-4	1,2,3-Trichloropropane		µg/l	U	1.07	20
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	1.08	20
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	1.11	20
106-93-4	1,2-Dibromoethane		µg/l	U	1.17	20
95-50-1	1,2-Dichlorobenzene		µg/l	U	1.41	20
107-06-2	1,2-Dichloroethane		µg/l	U	1.82	20
78-87-5	1,2-Dichloropropane		µg/l	U	1.19	20
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	1.13	20
541-73-1	1,3-Dichlorobenzene		µg/l	U	1.89	20
142-28-9	1,3-Dichloropropane		µg/l	U	1.07	20
106-46-7	1,4-Dichlorobenzene		µg/l	U	1.5	20
590-20-7	2,2-Dichloropropane		µg/l	U	1.08	20
78-93-3	2-Butanone		µg/l	U	4.81	20
95-49-8	2-Chlorotoluene		µg/l	U	1.06	20
591-78-6	2-Hexanone		µg/l	U	1.63	20
106-43-4	4-Chlorotoluene		µg/l	U	1	20
99-87-6	4-Isopropyltoluene		µg/l	U	1	20
108-10-1	4-Methyl-2-pentanone		µg/l	U	1.28	20
67-64-1	Acetone		µg/l	U	6.12	20
71-43-2	Benzene		µg/l	U	1.39	20
108-86-1	Bromobenzene		µg/l	U	1.56	20
74-97-5	Bromochloromethane		µg/l	U	1.65	20
75-27-4	Bromodichloromethane		µg/l	U	1.35	20
75-25-2	Bromoform		µg/l	U	1.63	20
74-83-9	Bromomethane		µg/l	U	2.01	20
75-15-0	Carbon disulfide		µg/l	U	1.83	20
56-23-5	Carbon tetrachloride		µg/l	U	1.37	20
108-90-7	Chlorobenzene		µg/l	U	1.56	20
75-00-3	Chloroethane		µg/l	U	2.07	20
67-66-3	Chloroform		µg/l	U	2.14	20

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1509

Sample ID: HAAF-MVP-1-10
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166515
Date Collected: 12/6/02 Time: 16:15
Dilution Factor: 10
Date Analyzed: 12/9/02 Time: 23:23
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	1.73	20
156-59-2	cis-1,2-Dichloroethene		µg/l	U	1.51	20
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	1	20
124-48-1	Dibromochloromethane		µg/l	U	1.33	20
74-95-3	Dibromomethane		µg/l	U	1	20
75-71-8	Dichlorodifluoromethane		µg/l	U	5	20
100-41-4	Ethylbenzene		µg/l	U	1	20
87-68-3	Hexachlorobutadiene		µg/l	U	1.92	20
98-82-8	Isopropylbenzene		µg/l	U	1	20
75-09-2	Methylene chloride		µg/l	U	3.98	20
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	1	20
m+p xylene	m-Xylene and p-Xylene		µg/l	U	2.16	20
91-20-3	Naphthalene		µg/l	U	1.39	20
104-51-8	n-Butylbenzene		µg/l	U	1.4	20
103-65-1	n-Propylbenzene		µg/l	U	1	20
95-47-6	o-Xylene		µg/l	U	1.02	20
135-98-8	sec-Butylbenzene		µg/l	U	1.33	20
100-42-5	Styrene		µg/l	U	1	20
98-06-6	tert-Butylbenzene		µg/l	U	1.7	20
127-18-4	Tetrachloroethene		µg/l	U	1.15	20
108-88-3	Toluene		µg/l	U	1.05	20
156-60-5	trans-1,2-Dichloroethene		µg/l	U	1.52	20
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	1	20
79-01-6	Trichloroethene		µg/l	U	1.51	20
75-69-4	Trichlorofluoromethane		µg/l	U	1.11	20
75-01-4	Vinyl chloride		µg/l	U	2.39	20

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0047

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1509

Sample ID: HAAF-MVP-1-15
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166516
Date Collected: 12/6/02 Time: 16:30
Dilution Factor: 1
Date Analyzed: 12/9/02 Time: 23:56
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0048

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1509

Sample ID: HAAF-MVP-1-15
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166516
Date Collected: 12/6/02 Time: 16:30
Dilution Factor: 1
Date Analyzed: 12/9/02 Time: 23:56
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0049

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1510

Sample ID: HAAF-MVP-1-20
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166517
Date Collected: 12/6/02 Time: 16:40
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 2:37
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0050

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1510

Sample ID: HAAF-MVP-1-20
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166517
Date Collected: 12/6/02 Time: 16:40
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 2:37
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0051

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1510

Sample ID: HAAF-MVP-1-25
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166518
Date Collected: 12/6/02 Time: 16:55
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 3:09
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0052

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1510

Sample ID: HAAF-MVP-1-25
Project ID HAAF-MCA BARRACKS
Project Num 1665
Lab Sample ID: 166518
Date Collected: 12/6/02 Time: 16:55
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 3:09
Date Received: 12/7/02 11:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene	0.96	µg/l	J	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0053

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167801
Date Collected: 12/7/02 Time: 8:50
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 17:23
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0030

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167801
Date Collected: 12/7/02 Time: 8:50
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 17:23
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0031

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167802
Date Collected: 12/7/02 Time: 9:10
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 17:55
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0032

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167802
Date Collected: 12/7/02 Time: 9:10
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 17:55
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene	1.41	µg/l	J	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0033

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167803
Date Collected: 12/7/02 Time: 9:35
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 18:28
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0034

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167803
Date Collected: 12/7/02 Time: 9:35
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 18:28
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0035

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MVP-1-40

Lab Name: Analytical Managment Laboratories

Client ID: CESAS

Matrix: W

Sample g/ml: 25

% Solids: not dec.

Instrument ID Instru

Analytical Method: 8260B

Prep Method: EPA 5030

Analytical Batch: 1513

Sample ID: HAAF-DUP4

Project ID HAAF-MCA BARRACKS

Project Num 1678

Lab Sample ID: 167804

Date Collected: 12/7/02 Time: 8:30

Dilution Factor: 1

Date Analyzed: 12/10/02 Time: 19:00

Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0036

DUPLICATE FOR MVP-1-40

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-DUP4
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167804
Date Collected: 12/7/02 Time: 8:30
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 19:00
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0037

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167805
Date Collected: 12/7/02 Time: 10:00
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 19:32
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0038

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-1-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167805
Date Collected: 12/7/02 Time: 10:00
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 19:32
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0039

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167808
Date Collected: 12/7/02 Time: 12:25
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 21:09
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167808
Date Collected: 12/7/02 Time: 12:25
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 21:09
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0045

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167809
Date Collected: 12/7/02 Time: 12:35
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 21:41
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0046

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167809
Date Collected: 12/7/02 Time: 12:35
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 21:41
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0047

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167810
Date Collected: 12/7/02 Time: 12:45
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 22:13
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167810
Date Collected: 12/7/02 Time: 12:45
Dilution Factor: 5
Date Analyzed: 12/10/02 Time: 22:13
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0049

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167811
Date Collected: 12/7/02 Time: 13:00
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 22:45
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0050

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167811
Date Collected: 12/7/02 Time: 13:00
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 22:45
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167812
Date Collected: 12/7/02 Time: 13:15
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 23:18
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0052

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167812
Date Collected: 12/7/02 Time: 13:15
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 23:18
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167813
Date Collected: 12/7/02 Time: 13:30
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 23:50
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1513

Sample ID: HAAF-MVP-2-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167813
Date Collected: 12/7/02 Time: 13:30
Dilution Factor: 1
Date Analyzed: 12/10/02 Time: 23:50
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	MDL	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0055

DUPLICATE FOR MVP-2-35

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-DUP5
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167815
Date Collected: 12/7/02 Time: 8:00
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 4:07
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MVP-2-35

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-DUP5
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167815
Date Collected: 12/7/02 Time: 8:00
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 4:07
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0060

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-2-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167816
Date Collected: 12/7/02 Time: 15:10
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 4:39
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-2-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167816
Date Collected: 12/7/02 Time: 15:10
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 4:39
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-2-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167817
Date Collected: 12/7/02 Time: 15:30
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 5:12
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0063

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-2-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167817
Date Collected: 12/7/02 Time: 15:30
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 5:12
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167818
Date Collected: 12/8/02 Time: 9:20
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 5:44
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0065

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167818
Date Collected: 12/8/02 Time: 9:20
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 5:44
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0066

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167819
Date Collected: 12/8/02 Time: 9:30
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 6:16
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0067

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167819
Date Collected: 12/8/02 Time: 9:30
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 6:16
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0068

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167820
Date Collected: 12/8/02 Time: 9:45
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 6:48
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0069

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167820
Date Collected: 12/8/02 Time: 9:45
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 6:48
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	42.8	µg/l		0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	33.3	µg/l		0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride	0.75	µg/l	J	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0070

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167821
Date Collected: 12/8/02 Time: 10:05
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 7:20
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0071

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167821
Date Collected: 12/8/02 Time: 10:05
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 7:20
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	49.1	µg/l		0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	36	µg/l		0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0072

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167822
Date Collected: 12/8/02 Time: 10:15
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 7:53
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

TSV 12/18/02

FORM I VOA - Equivalent

0073

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167822
Date Collected: 12/8/02 Time: 10:15
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 7:53
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	464	µg/l	E	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene	0.77	µg/l	J	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene	2.06	µg/l		0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene	2.18	µg/l		0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene	1.08	µg/l	J	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene	0.68	µg/l	J	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene	0.6	µg/l	J	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	208	µg/l	E	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride	3.23	µg/l		0.239	2

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0074

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1515

Sample ID: HAAF-MVP-3-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167822
Date Collected: 12/8/02 Time: 10:15
Dilution Factor: 25
Date Analyzed: 12/11/02 Time: 9:39
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	5.55	50
71-55-6	1,1,1-Trichloroethane		µg/l	U	4.5	50
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	2.5	50
79-00-5	1,1,2-Trichloroethane		µg/l	U	3.58	50
75-34-3	1,1-Dichloroethane		µg/l	U	5.35	50
75-35-4	1,1-Dichloroethene		µg/l	U	4.58	50
563-58-6	1,1-Dichloropropene		µg/l	U	2.5	50
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	3.55	50
96-18-4	1,2,3-Trichloropropane		µg/l	U	2.68	50
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	2.7	50
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	2.78	50
106-93-4	1,2-Dibromoethane		µg/l	U	2.92	50
95-50-1	1,2-Dichlorobenzene		µg/l	U	3.52	50
107-06-2	1,2-Dichloroethane		µg/l	U	4.55	50
78-87-5	1,2-Dichloropropane		µg/l	U	2.98	50
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	2.82	50
541-73-1	1,3-Dichlorobenzene		µg/l	U	4.73	50
142-28-9	1,3-Dichloropropane		µg/l	U	2.68	50
106-46-7	1,4-Dichlorobenzene		µg/l	U	3.75	50
590-20-7	2,2-Dichloropropane		µg/l	U	2.7	50
78-93-3	2-Butanone		µg/l	U	12	50
95-49-8	2-Chlorotoluene		µg/l	U	2.65	50
591-78-6	2-Hexanone		µg/l	U	4.08	50
106-43-4	4-Chlorotoluene		µg/l	U	2.5	50
99-87-6	4-Isopropyltoluene		µg/l	U	2.5	50
108-10-1	4-Methyl-2-pentanone		µg/l	U	3.2	50
67-64-1	Acetone		µg/l	U	15.3	50
71-43-2	Benzene		µg/l	U	3.48	50
108-86-1	Bromobenzene		µg/l	U	3.9	50
74-97-5	Bromochloromethane		µg/l	U	4.12	50
75-27-4	Bromodichloromethane		µg/l	U	3.38	50
75-25-2	Bromoform		µg/l	U	4.08	50
74-83-9	Bromomethane		µg/l	U	5.03	50
75-15-0	Carbon disulfide		µg/l	U	4.58	50
56-23-5	Carbon tetrachloride		µg/l	U	3.42	50
108-90-7	Chlorobenzene		µg/l	U	3.9	50
75-00-3	Chloroethane		µg/l	U	5.18	50
67-66-3	Chloroform		µg/l	U	5.35	50

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1515

Sample ID: HAAF-MVP-3-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167822
Date Collected: 12/8/02 Time: 10:15
Dilution Factor: 25
Date Analyzed: 12/11/02 Time: 9:39
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	4.32	50
156-59-2	cis-1,2-Dichloroethene	578	µg/l		3.78	50
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	2.5	50
124-48-1	Dibromochloromethane		µg/l	U	3.32	50
74-95-3	Dibromomethane		µg/l	U	2.5	50
75-71-8	Dichlorodifluoromethane		µg/l	U	12.5	50
100-41-4	Ethylbenzene		µg/l	U	2.5	50
87-68-3	Hexachlorobutadiene		µg/l	U	4.8	50
98-82-8	Isopropylbenzene		µg/l	U	2.5	50
75-09-2	Methylene chloride		µg/l	U	9.95	50
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	2.5	50
m+p xylene	m-Xylene and p-Xylene		µg/l	U	5.4	50
91-20-3	Naphthalene		µg/l	U	3.48	50
104-51-8	n-Butylbenzene		µg/l	U	3.5	50
103-65-1	n-Propylbenzene		µg/l	U	2.5	50
95-47-6	o-Xylene		µg/l	U	2.55	50
135-98-8	sec-Butylbenzene		µg/l	U	3.32	50
100-42-5	Styrene		µg/l	U	2.5	50
98-06-6	tert-Butylbenzene		µg/l	U	4.25	50
127-18-4	Tetrachloroethene		µg/l	U	2.88	50
108-88-3	Toluene		µg/l	U	2.62	50
156-60-5	trans-1,2-Dichloroethene		µg/l	U	3.8	50
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	2.5	50
79-01-6	Trichloroethene	201	µg/l		3.78	50
75-69-4	Trichlorofluoromethane		µg/l	U	2.78	50
108-05-4	Vinyl acetate		µg/l	U	50	100
75-01-4	Vinyl chloride		µg/l	U	5.98	50

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0081

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167824
Date Collected: 12/8/02 Time: 10:35
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 8:57
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene	2.22	µg/l		0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene	16.1	µg/l		0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene	1.16	µg/l	J	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0077

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-MVP-3-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167824
Date Collected: 12/8/02 Time: 10:35
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 8:57
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	1078	µg/l	E	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene	1.31	µg/l	J	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene	2.3	µg/l		0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene	2.45	µg/l		0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene	0.69	µg/l	J	0.105	2
156-60-5	trans-1,2-Dichloroethene	4.39	µg/l		0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	584	µg/l	E	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride	7.73	µg/l		0.239	2

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0078

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1515

Sample ID: HAAF-MVP-3-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167824
Date Collected: 12/8/02 Time: 10:35
Dilution Factor: 25
Date Analyzed: 12/11/02 Time: 11:06
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	5.55	50
71-55-6	1,1,1-Trichloroethane		µg/l	U	4.5	50
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	2.5	50
79-00-5	1,1,2-Trichloroethane		µg/l	U	3.58	50
75-34-3	1,1-Dichloroethane		µg/l	U	5.35	50
75-35-4	1,1-Dichloroethene		µg/l	U	4.58	50
563-58-6	1,1-Dichloropropene		µg/l	U	2.5	50
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	3.55	50
96-18-4	1,2,3-Trichloropropane		µg/l	U	2.68	50
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	2.7	50
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	2.78	50
106-93-4	1,2-Dibromoethane		µg/l	U	2.92	50
95-50-1	1,2-Dichlorobenzene		µg/l	U	3.52	50
107-06-2	1,2-Dichloroethane		µg/l	U	4.55	50
78-87-5	1,2-Dichloropropane		µg/l	U	2.98	50
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	2.82	50
541-73-1	1,3-Dichlorobenzene		µg/l	U	4.73	50
142-28-9	1,3-Dichloropropane		µg/l	U	2.68	50
106-46-7	1,4-Dichlorobenzene		µg/l	U	3.75	50
590-20-7	2,2-Dichloropropane		µg/l	U	2.7	50
78-93-3	2-Butanone		µg/l	U	12	50
95-49-8	2-Chlorotoluene		µg/l	U	2.65	50
591-78-6	2-Hexanone		µg/l	U	4.08	50
106-43-4	4-Chlorotoluene		µg/l	U	2.5	50
99-87-6	4-Isopropyltoluene		µg/l	U	2.5	50
108-10-1	4-Methyl-2-pentanone		µg/l	U	3.2	50
67-64-1	Acetone		µg/l	U	15.3	50
71-43-2	Benzene		µg/l	U	3.48	50
108-86-1	Bromobenzene		µg/l	U	3.9	50
74-97-5	Bromochloromethane		µg/l	U	4.12	50
75-27-4	Bromodichloromethane		µg/l	U	3.38	50
75-25-2	Bromoform		µg/l	U	4.08	50
74-83-9	Bromomethane		µg/l	U	5.03	50
75-15-0	Carbon disulfide		µg/l	U	4.58	50
56-23-5	Carbon tetrachloride		µg/l	U	3.42	50
108-90-7	Chlorobenzene		µg/l	U	3.9	50
75-00-3	Chloroethane		µg/l	U	5.18	50
67-66-3	Chloroform		µg/l	U	5.35	50

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1515

Sample ID: HAAF-MVP-3-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167824
Date Collected: 12/8/02 Time: 10:35
Dilution Factor: 25
Date Analyzed: 12/11/02 Time: 11:06
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	4.32	50
156-59-2	cis-1,2-Dichloroethene	969	µg/l		3.78	50
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	2.5	50
124-48-1	Dibromochloromethane		µg/l	U	3.32	50
74-95-3	Dibromomethane		µg/l	U	2.5	50
75-71-8	Dichlorodifluoromethane		µg/l	U	12.5	50
100-41-4	Ethylbenzene		µg/l	U	2.5	50
87-68-3	Hexachlorobutadiene		µg/l	U	4.8	50
98-82-8	Isopropylbenzene		µg/l	U	2.5	50
75-09-2	Methylene chloride		µg/l	U	9.95	50
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	2.5	50
m+p xylene	m-Xylene and p-Xylene		µg/l	U	5.4	50
91-20-3	Naphthalene		µg/l	U	3.48	50
104-51-8	n-Butylbenzene		µg/l	U	3.5	50
103-65-1	n-Propylbenzene		µg/l	U	2.5	50
95-47-6	o-Xylene		µg/l	U	2.55	50
135-98-8	sec-Butylbenzene		µg/l	U	3.32	50
100-42-5	Styrene		µg/l	U	2.5	50
98-06-6	tert-Butylbenzene		µg/l	U	4.25	50
127-18-4	Tetrachloroethene		µg/l	U	2.88	50
108-88-3	Toluene		µg/l	U	2.62	50
156-60-5	trans-1,2-Dichloroethene		µg/l	U	3.8	50
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	2.5	50
79-01-6	Trichloroethene	453	µg/l		3.78	50
75-69-4	Trichlorofluoromethane		µg/l	U	2.78	50
108-05-4	Vinyl acetate		µg/l	U	50	100
75-01-4	Vinyl chloride		µg/l	U	5.98	50

TSV 12/15/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0085

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MW P-3-35

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-DUP6
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167823
Date Collected: 12/8/02 Time: 9:00
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 8:25
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene	2.62	µg/l		0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene	15.7	µg/l		0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene	1.21	µg/l	J	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

DUPLICATE FOR MW P-3-35

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID: Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1514

Sample ID: HAAF-DUP6
Project ID: HAAF-MCA BARRACKS
Project Num: 1678
Lab Sample ID: 167823
Date Collected: 12/8/02 Time: 9:00
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 8:25
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	949	µg/l	E	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene	1.5	µg/l	J	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene	2.38	µg/l		0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene	2.21	µg/l		0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene	0.59	µg/l	J	0.105	2
156-60-5	trans-1,2-Dichloroethene	4.12	µg/l		0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	766	µg/l	E	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride	6.38	µg/l		0.239	2

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MW P-3-35

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1515

Sample ID: HAAF-DUP6
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167823
Date Collected: 12/8/02 Time: 9:00
Dilution Factor: 25
Date Analyzed: 12/11/02 Time: 10:11
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	5.55	50
71-55-6	1,1,1-Trichloroethane		µg/l	U	4.5	50
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	2.5	50
79-00-5	1,1,2-Trichloroethane		µg/l	U	3.58	50
75-34-3	1,1-Dichloroethane		µg/l	U	5.35	50
75-35-4	1,1-Dichloroethene		µg/l	U	4.58	50
563-58-6	1,1-Dichloropropene		µg/l	U	2.5	50
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	3.55	50
96-18-4	1,2,3-Trichloropropane		µg/l	U	2.68	50
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	2.7	50
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	2.78	50
106-93-4	1,2-Dibromoethane		µg/l	U	2.92	50
95-50-1	1,2-Dichlorobenzene		µg/l	U	3.52	50
107-06-2	1,2-Dichloroethane		µg/l	U	4.55	50
78-87-5	1,2-Dichloropropane		µg/l	U	2.98	50
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	2.82	50
541-73-1	1,3-Dichlorobenzene		µg/l	U	4.73	50
142-28-9	1,3-Dichloropropane		µg/l	U	2.68	50
106-46-7	1,4-Dichlorobenzene		µg/l	U	3.75	50
590-20-7	2,2-Dichloropropane		µg/l	U	2.7	50
78-93-3	2-Butanone		µg/l	U	12	50
95-49-8	2-Chlorotoluene		µg/l	U	2.65	50
591-78-6	2-Hexanone		µg/l	U	4.08	50
106-43-4	4-Chlorotoluene		µg/l	U	2.5	50
99-87-6	4-Isopropyltoluene		µg/l	U	2.5	50
108-10-1	4-Methyl-2-pentanone		µg/l	U	3.2	50
67-64-1	Acetone		µg/l	U	15.3	50
71-43-2	Benzene		µg/l	U	3.48	50
108-86-1	Bromobenzene		µg/l	U	3.9	50
74-97-5	Bromochloromethane		µg/l	U	4.12	50
75-27-4	Bromodichloromethane		µg/l	U	3.38	50
75-25-2	Bromoform		µg/l	U	4.08	50
74-83-9	Bromomethane		µg/l	U	5.03	50
75-15-0	Carbon disulfide		µg/l	U	4.58	50
56-23-5	Carbon tetrachloride		µg/l	U	3.42	50
108-90-7	Chlorobenzene		µg/l	U	3.9	50
75-00-3	Chloroethane		µg/l	U	5.18	50
67-66-3	Chloroform		µg/l	U	5.35	50

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0082

DUPLICATE FOR MVP-3-35

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1515

Sample ID: HAAF-DUP6
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167823
Date Collected: 12/8/02 Time: 9:00
Dilution Factor: 25
Date Analyzed: 12/11/02 Time: 10:11
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	4.32	50
156-59-2	cis-1,2-Dichloroethene	1220	µg/l		3.78	50
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	2.5	50
124-48-1	Dibromochloromethane		µg/l	U	3.32	50
74-95-3	Dibromomethane		µg/l	U	2.5	50
75-71-8	Dichlorodifluoromethane		µg/l	U	12.5	50
100-41-4	Ethylbenzene		µg/l	U	2.5	50
87-68-3	Hexachlorobutadiene		µg/l	U	4.8	50
98-82-8	Isopropylbenzene		µg/l	U	2.5	50
75-09-2	Methylene chloride		µg/l	U	9.95	50
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	2.5	50
m+p xylene	m-Xylene and p-Xylene		µg/l	U	5.4	50
91-20-3	Naphthalene		µg/l	U	3.48	50
104-51-8	n-Butylbenzene		µg/l	U	3.5	50
103-65-1	n-Propylbenzene		µg/l	U	2.5	50
95-47-6	o-Xylene		µg/l	U	2.55	50
135-98-8	sec-Butylbenzene		µg/l	U	3.32	50
100-42-5	Styrene		µg/l	U	2.5	50
98-06-6	tert-Butylbenzene		µg/l	U	4.25	50
127-18-4	Tetrachloroethene		µg/l	U	2.88	50
108-88-3	Toluene		µg/l	U	2.62	50
156-60-5	trans-1,2-Dichloroethene		µg/l	U	3.8	50
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	2.5	50
79-01-6	Trichloroethene	479	µg/l		3.78	50
75-69-4	Trichlorofluoromethane		µg/l	U	2.78	50
108-05-4	Vinyl acetate		µg/l	U	50	100
75-01-4	Vinyl chloride		µg/l	U	5.98	50

TSV 12/18/02

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0083

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-3-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167825
Date Collected: 12/8/02 Time: 12:15
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 15:13
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0087

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-3-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167825
Date Collected: 12/8/02 Time: 12:15
Dilution Factor: 5
Date Analyzed: 12/11/02 Time: 15:13
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene	114	µg/l		0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene	108	µg/l		0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0088

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-3-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167826
Date Collected: 12/8/02 Time: 12:45
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 15:45
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0089

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-3-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167826
Date Collected: 12/8/02 Time: 12:45
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 15:45
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	12	µg/l		0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	7.85	µg/l		0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167839
Date Collected: 12/9/02 Time: 10:05
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 1:55
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0116

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167839
Date Collected: 12/9/02 Time: 10:05
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 1:55
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	0.7	µg/l	J	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167840
Date Collected: 12/9/02 Time: 10:15
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 2:27
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0118

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167840
Date Collected: 12/9/02 Time: 10:15
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 2:27
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	1.52	µg/l	J	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167841
Date Collected: 12/9/02 Time: 10:35
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 2:59
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0120

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167841
Date Collected: 12/9/02 Time: 10:35
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 2:59
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene	2.98	µg/l	J	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0121

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167842
Date Collected: 12/9/02 Time: 10:50
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 3:31
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0122

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167842
Date Collected: 12/9/02 Time: 10:50
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 3:31
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene	1.05	µg/l	J	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0123

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167843
Date Collected: 12/9/02 Time: 12:15
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 4:03
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0124

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167843
Date Collected: 12/9/02 Time: 12:15
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 4:03
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	6.95	µg/l		0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0125

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MVP-4-30

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-DUP8
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167844
Date Collected: 12/9/02 Time: 8:30
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 4:36
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MW-4-30

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-DUP8
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167844
Date Collected: 12/9/02 Time: 8:30
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 4:36
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	7.4	µg/l		0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167845
Date Collected: 12/9/02 Time: 12:45
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 5:08
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0128

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167845
Date Collected: 12/9/02 Time: 12:45
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 5:08
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0129

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167846
Date Collected: 12/9/02 Time: 13:10
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 5:40
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167846
Date Collected: 12/9/02 Time: 13:10
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 5:40
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0131

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167847
Date Collected: 12/9/02 Time: 13:45
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 6:12
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0132

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-4-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167847
Date Collected: 12/9/02 Time: 13:45
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 6:12
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167828
Date Collected: 12/8/02 Time: 13:45
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 16:50
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0093

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-10
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167828
Date Collected: 12/8/02 Time: 13:45
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 16:50
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167829
Date Collected: 12/8/02 Time: 14:00
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 17:22
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0095

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-15
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167829
Date Collected: 12/8/02 Time: 14:00
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 17:22
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167830
Date Collected: 12/8/02 Time: 14:15
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 17:54
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0097

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-20
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167830
Date Collected: 12/8/02 Time: 14:15
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 17:54
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167831
Date Collected: 12/8/02 Time: 14:25
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 18:26
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0099

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-25
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167831
Date Collected: 12/8/02 Time: 14:25
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 18:26
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0100

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-30
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167832
Date Collected: 12/8/02 Time: 14:35
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 18:58
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0101

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	Analytical Managment Laboratories	Sample ID:	HAAF-MVP-5-30
Client ID:	CESAS	Project ID	HAAF-MCA BARRACKS
Matrix:	W	Project Num	1678
Sample g/ml:	25	Lab Sample ID:	167832
% Solids: not dec.		Date Collected:	12/8/02 Time: 14:35
Instrument ID	Instru	Dilution Factor:	1
Analytical Method:	8260B	Date Analyzed:	12/11/02 Time: 18:58
Prep Method:	EPA 5030	Date Received:	12/10/02 10:15:00 AM
Analytical Batch:	1517		

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0102

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167834
Date Collected: 12/8/02 Time: 14:50
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 20:02
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0105

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-MVP-5-35
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167834
Date Collected: 12/8/02 Time: 14:50
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 20:02
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0106

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MVP-5-35

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-DUP7
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167833
Date Collected: 12/8/02 Time: 8:30
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 19:30
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0103

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MW-5-35

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1517

Sample ID: HAAF-DUP7
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167833
Date Collected: 12/8/02 Time: 8:30
Dilution Factor: 1
Date Analyzed: 12/11/02 Time: 19:30
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0104

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-5-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167835
Date Collected: 12/8/02 Time: 15:25
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 0:19
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0110

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-5-40
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167835
Date Collected: 12/8/02 Time: 15:25
Dilution Factor: 1
Date Analyzed: 12/12/02 Time: 0:19
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	2	4
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories | Sample ID: HAAF-MVP-5-45

Client ID: CESAS | Project ID HAAF-MCA BARRACKS

Matrix: W | Project Num 1678

Sample g/ml: 25 | Lab Sample ID: 167836

% Solids: not dec. | Date Collected: 12/8/02 Time: 15:50

Instrument ID Instru | Dilution Factor: 5

Analytical Method: 8260B | Date Analyzed: 12/12/02 Time: 0:51

Prep Method: EPA 5030 | Date Received: 12/10/02 10:15:00 AM

Analytical Batch: 1518

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0112

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1518

Sample ID: HAAF-MVP-5-45
Project ID HAAF-MCA BARRACKS
Project Num 1678
Lab Sample ID: 167836
Date Collected: 12/8/02 Time: 15:50
Dilution Factor: 5
Date Analyzed: 12/12/02 Time: 0:51
Date Received: 12/10/02 10:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene	16.6	µg/l		0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene	6.83	µg/l	J	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	10	20
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0113

AML
Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21796

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: USARMY CORPS OF ENGINEERS
Address: 100 W. OGLETHORPE, P.O.BOX 889
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF-MCA BARRACKS
Project Number:
Purchase Order Number: D.O. # 0006
Project Due Date:
Project Comments:
Sampler's Signature: [signature]

Laboratory Project Number: 1678

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs) 8260	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1678-01	HAAF-MVP-1-30	7Dec02	0850	W	3					3						3									
1678-02	HAAF MVP-1-35	"	0910	W	3					3						3									
1678-02	HAAF-MVP-1-MS	"	0913	W	3					3						3									
1678-02	HAAF-MVP-1-MSD	"	0915	W	3					3						3									
1678-03	HAAF-MVP-1-40	"	0935	W	3					3						3									
1678-04	HAAF-DUP4	"	0830	W	3					3						3									
1678-05	HAAF-MVP-1-45	"	1000	W	3					3						3									
1678-06	HAAF-MVP-1-BLK4	"	1025	W	3					3						3									
1678-07	TRIP BLANK	"	—	W	2	(2)				2						2									w/ HCl
1678-08	HAAF-MV2-2-10	7Dec02	1225	W	3					3						3									

Please include any information that may be useful in the analysis of the sample.
Example: high concentration

CUSTODY						
Relinquished By:	[signature]	Date/Time:	9Dec02 1630	Received By:	FedEx	Date/Time:	9Dec 02 1630
Relinquished By:		Date/Time:		Received By:	[signature]	Date/Time:	12/10/02 10:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEx ☐ Airbill #: 837547371561	☑ Yes ☐ No ☐ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	°C ☑ Temp. Blank ☐ Cooler	cooler #1: 2.5°C cooler #3: 2.1°C cooler #2: 2.7°C cooler #4: 2.5°C

A-295

0010

AML
Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21801

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: US ARMY CORPS OF ENGINEERS
Address: 100 W. OGLETHORPE, P.O. BOX 889
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF - MCA BARRACKS
Project Number:
Purchase Order Number: DO #0006
Project Due Date:
Project Comments:
Sampler's Signature: Dana Polanek

Laboratory Project Number: 1678

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs) 8260	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1678-09	HAAF-MVP-2-15	7 Dec 02	1235	W	3					3						3									
1678-10	HAAF-MVP-2-20	"	1245	W	3					3						3									
1678-11	HAAF-MVP-2-25	"	1300	W	3					3						3									
1678-12	HAAF-MVP-2-30	"	1315	W	3					3						3									
1678-13	HAAF-MVP-2-35	"	1330	W	3					3						3									
1678-14	HAAF-MVP-2-BLK5	"	1420	W	3					3						3									
1678-15	HAAF-DUP5	7 Dec 02	0800	W	3					3						3									
1678-16	HAAF-MVP-2-40	"	1510	W	3					3						3									
1678-16	HAAF-MVP-2-MS	"	1513	W	3					3						3									
1678-16	HAAF-MVP-2-MSD	7 Dec 02	1515	W	3					3						3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY						
Relinquished By:	Dana Polanek	Date/Time:	9 Dec 02 1630	Received By:	Fed Ex	Date/Time:	9 Dec 02 1630
Relinquished By:		Date/Time:		Received By:		Date/Time:	12/10/02 10:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEX ☐ Airbill #: 837547337561	☑ Yes ☐ No ☑ Intact ☐ Broken	☐ Ice ☐ Blue Ice ☐ None	☐ °C ☐ Temp. Blank ☐ Cooler	cooler #1: 2.5°C cooler #3: 2.1°C cooler #2: 2.7°C cooler #4: 2.5°C

A-296

0011

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21795

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
~~ADDRESS~~ ~~Company Name~~: 100 W. OGLETHORPE, P O BOX 889
~~Name/Address~~: US ARMY CORPS OF ENGINEERS
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF - MCA BARRACKS
Project Number:
Purchase Order Number: DO # 6012
Project Due Date:
Project Comments:
Sampler's Signature:

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 1678

Method # --->

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs) 8260	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1678-17	HAAF-MVP-2-45	7Dec02	1530	W	3					3						3									
1678-18	HAAF-MVP-3-10	8Dec02	0920	W	3					3						3									
1678-19	HAAF-MVP-3-15	"	0930	W	3					3						3									
1678-20	HAAF-MVP-3-20	"	0945	W	4					4						4									
1678-21	HAAF-MVP-3-25	"	1005	W	3					3						3									
1678-22	HAAF-MVP-3-30	"	1015	W	3					3						3									
1678-23	HAAF-DUP6	"	0900	W	3					3						3									
1678-24	HAAF-MVP-3-35	"	1035	W	3					3						3									
1678-25	HAAF-MVP-3-40	"	1215	W	3					3						3									
1678-25	HAAF-MVP-3-MS	8Dec02	1218	W	3					3						3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY						
Relinquished By:	Dave Blacek	Date/Time:	9Dec02 1630	Received By:	FedEx	Date/Time:	9Dec02 1630
Relinquished By:		Date/Time:		Received By:		Date/Time:	12/10/02 10:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ~~☐ Courier~~ FedEx ☐ Airbill #: 837547371561	☑ Yes ☐ No ☐ Intact ☐ Broken	☐ Ice ☐ Blue Ice ☐ None	☐ Temp. Blank ☐ Cooler	cooler #1: 2.5°C cooler #3: 2.1°C cooler #2: 2.7°C cooler #4: 2.5°C

A-297

0012

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21778

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: USARMY CORPS OF ENGINEERS
Address: 100 W. OGLETHORPE, P.O. BOX 889
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF-MCA BARRACKS
Project Number:
Purchase Order Number: DO # 0006
Project Due Date:
Project Comments:
Sampler's Signature: Dan Polanek

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 1678

Method # ---> 8260

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1678-25	HAAF-MVP-3-MSD	8Dec02	1220	W	3					3						3									
1678-26	HAAF-MVP-3-45	"	1245	W	3					3						3									
1678-27	HAAF-MVP-3-DUP	"	1305	W	3					3						3									
1678-28	HAAF-MVP-5-10	"	1345	W	3					3						3									
1678-29	HAAF-MVP-5-15	"	1400	W	3					3						3									
1678-30	HAAF-MVP-5-20	"	1415	W	3					3						3									
1678-31	HAAF-MVP-5-25	"	1425	W	3					3						3									1678-31
1678-32	HAAF-MVP-5-30	"	1435	W	3					3						3									1678-32
1678-33	HAAF-DUP7	"	0830	W	3					3						3									1678-33
1678-34	HAAF-MVP-5-35	8Dec02	1450	W	3					3						3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

A-298

0013

CUSTODY						
Relinquished By:	Dan Polanek	Date/Time:	9Dec02 1630	Received By:	Fed Ex	Date/Time:	9Dec02 1630
Relinquished By:		Date/Time:		Received By:		Date/Time:	12/10/02 10:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEX ☐ Airbill #: 837547371561	☐ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	☑ Temp. Blank ☐ Cooler °C	Cooler #1: 2.5°C Cooler #3: 2.1°C Cooler #2: 2.7°C Cooler #4: 2.5°C

AML
Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21800

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: US ARMY CORPS of ENGINEERS
Address: 100 W. OGLETHORPE, POBOX 889
City, State, Zip: SAVANNAH, GA, 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF- MCA BARRACKS
Project Number:
Purchase Order Number: DO #0006
Project Due Date:
Project Comments:
Sampler's Signature: Dana Plaisance

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 1678

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs) 8260	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1678-35	HAAF-MVP-5-40	8Dec02	1525	W	3					W						W									
1678-35	HAAF-MVP-5-MS	"	1530	W	3					W						W									
1678-35	HAAF-MVP-5-MSD	"	1535	W	3					W						W									
1678-36	HAAF-MVP-5-45	8Dec02	1550	W	3					W						W									
1678-37	TRIP BLANK	—	—	W	2	2										W									
1678-38	HAAF-MVP-5-BLK7	9Dec02	0920	W	3					W						W									
1678-39	HAAF-MVP-4-10	9Dec02	1005	W	3					W						W									
1678-40	HAAF-MVP-4-15	"	1015	W	3					W						W									
1678-41	HAAF-MVP-4-20	"	1035	W	2					2						2									
1678-42	HAAF-MVP-4-25	9Dec02	1050	W	2					2						2									

Please include any information that may be useful in the analysis of the sample.
Example: high concentration

CUSTODY						
Relinquished By:	Dana Plaisance	Date/Time:	9Dec02 1630	Received By:	FedEx	Date/Time:	9Dec02 1630
Relinquished By:		Date/Time:		Received By:		Date/Time:	12/10/02 10:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☒ Courier FedEx ☐ Airbill #: 837547371561	☒ Yes ☐ No ☒ Intact ☐ Broken	☒ Ice ☐ Blue Ice ☐ None	☐ Temp. Blank ☐ Cooler	Cooler #1: 2.5°C Cooler #3: 2.1°C Cooler #2: 2.7°C Cooler #4: 2.5°C

A-299

0014

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21802

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: ~~1006~~ USARMY CORPS of ENGINEERS
Address: 100 W. OGLETHORPE, P.O. BOX 889
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF- NCA BARRACKS
Project Number:
Purchase Order Number: DO#0006
Project Due Date:
Project Comments:
Sampler's Signature: Dana Polacek

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 1678

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs) 8260	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1678-43	HAAF-MVP-4-30	9Dec02	1215	W	3					3						3									
1678-44	HAAF-DUP 8	"	0830	W	3					3						3									
1678-45	HAAF-MVP-4-35	"	1245	W	3					3						3									
1678-46	HAAF-MVP-4-40	"	1310	W	3					3						3									
1678-47	HAAF-MVP-4-45	"	1345	W	3					3						3									
1678-48	HAAF-MVP-4-BLK8	9DEC02	1410	W	2					2						2									
1678-49	TRIP BLANK	—	—	W	2	2										2									
8																									
9																									
10																									

Preservative
List total number of bottles for each preservative type.

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY						
Relinquished By:	Dana Polacek	Date/Time:	9Dec02 1630	Received By:	Fed Ex	Date/Time:	9Dec02 1630
Relinquished By:		Date/Time:		Received By:		Date/Time:	12/10/02 10:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEx ☐ Airbill #: 837547371564	☑ Yes ☐ No ☑ Intact ☐ Broken	☐ Ice ☐ Blue Ice ☐ None	4 °C ☐ Temp. Blank ☐ Cooler	cooler #1: 2.5°C cooler #2: 2.7°C cooler #3: 2.1°C cooler #4: 2.5°C

A-300

0015

AML
Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21797

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: USARMY CORPS OF ENGINEERS
Address: 100 W. OGLETHORPE, P.O.BOX 889
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF-MCA BARRACKS
Project Number:
Purchase Order Number: DO # 0006
Project Due Date:
Project Comments:
Sampler's Signature: Dave Polaczek

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 1665

Method # ---> 8260

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1665-01	HAAF-B159-3-35	6DEC02	0835	W	3					3						3									
1665-02	HAAF-B159-3-40	"	0905	W	3					3						3									
1665-03	HAAF-B159-3-45	"	0925	W	3					3						3									
1665-04	HAAF-B159-3-10	"	1225	W	3					3						3									
1665-05	HAAF-B159-2-15	"	1235	W	3					3						3									
1665-06	TRIP BLANK	—	—	W	2	2				2						2									
1665-07	HAAF-B159-2-20	6DEC02	1250	W	3					3						3									
1665-08	HAAF-B159-2-25	"	1305	W	3					3						3									
1665-09	HAAF-B159-2-30	"	1320	W	3					3						3									
1665-10	HAAF-DUP 3	6DEC02	0800	W	3					3						3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY						
Relinquished By:	Dave Polaczek	Date/Time:	6DEC02 1830	Received By:	Fed Ex	Date/Time:	6DEC02 1830
Relinquished By:		Date/Time:		Received By:		Date/Time:	12/07/02 11:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEx ☐ Airbill #: 837541737157	☑ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	1.9 °C ☑ Temp. Blank ☐ Cooler	

A-301

6000

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

21798

Chain of Custody Record / Request for Analysis

Client Contact Name: JIM CUBBEDGE
Company Name: US ARMY CORPS OF ENGINEERS
Address: 100 W. OGLETHORPE, P O BOX 889
City, State, Zip: SAVANNAH, GA 31402
Phone #: (912) 652-5660
Fax #: (912) 652-6012

Project Name: HAAF - MCA BARRACKS
Project Number:
Purchase Order Number: D O # 0006
Project Due Date:
Project Comments:
Sampler's Signature:

Laboratory Project Number: 1665

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	Method # --->	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs) 8260	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1665-11	HAAF-B159-2-35	6DEC02	1330	W	3					3							3									
1665-11	HAAF-B159-2-MS	"	1393	W	3					3							3									
1665-11	HAAF-B159-2-MSD	"	1335	W	3					3							3									
1665-12	HAAF-B159-2-40	"	1410	W	3					3							3									
1665-13	HAAF-B159-2-45	"	1440	W	3					3							3									
1665-14	HAAF-B159-2-BK3	"	1510	W	3					3							3									
1665-15	HAAF-~~B159~~MVP1-10	"	1615	W	3					3							3									
1665-16	HAAF-MVP-1-15	"	1630	W	3					3							3									
1665-17	HAAF-MVP-1-20	"	1640	W	3					3							3									
1665-18	HAAF-MVP-1-25	"	1655	W	3					3							3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY		Date/Time:		Received By:		Date/Time:	
Relinquished By:		6DEC02 1830				12/07/02 11:15am	
Relinquished By:		Date/Time:		Received By:		Date/Time:	

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEx ☐ Airbill #: 875473715 72	☑ Yes ☐ No ☑ Intact ☐ Broken	☐ Ice ☐ Blue Ice ☐ None	4.9 °C ☑ Temp. Blank ☐ Cooler	

A-302

0010

GROUNDWATER ANALYTICAL RESULTS
JUNE – SEPTEMBER 2003

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1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374107
Date Collected: 9/3/03 Time: 12:15
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 20:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0034

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374107
Date Collected: 9/3/03 Time: 12:15
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 20:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374108
Date Collected: 9/3/03 Time: 12:20
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 21:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0036

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374108
Date Collected: 9/3/03 Time: 12:20
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 21:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene	0.22	µg/l	J	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0037

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374109
Date Collected: 9/3/03 Time: 12:30
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 21:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0038

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374109
Date Collected: 9/3/03 Time: 12:30
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 21:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0039

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-1-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374128
Date Collected: 9/3/03 Time: 12:40
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 10:36
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0077

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-1-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374128
Date Collected: 9/3/03 Time: 12:40
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 10:36
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0078

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-1-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374130
Date Collected: 9/4/03 Time: 13:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 11:36
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0081

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-1-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374130
Date Collected: 9/4/03 Time: 13:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 11:36
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0082

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-1-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374131
Date Collected: 9/4/03 Time: 13:45
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 12:06
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0083

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-1-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374131
Date Collected: 9/4/03 Time: 13:45
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 12:06
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0084

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374110
Date Collected: 9/3/03 Time: 13:20
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 22:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0040

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-1-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374110
Date Collected: 9/3/03 Time: 13:20
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 22:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories | Sample ID: MCA-VP-02-15

Client ID: CESAS | Project ID MCA, DO#0037

Matrix: W | Project Num 3465

Sample g/ml: 25 | Lab Sample ID: 346502

% Solids: not dec. | Date Collected: 7/11/03 Time: 10:40

Instrument ID V5973B | Dilution Factor: 1

Analytical Method: 8260B | Date Analyzed: 7/17/03 Time: 18:38

Prep Method: EPA 5030 | Date Received: 7/12/03 12:01:00 PM

Analytical Batch: 1360

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0022

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-15
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346502
Date Collected: 7/11/03 Time: 10:40
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 18:38
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0023

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-20
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346503
Date Collected: 7/11/03 Time: 10:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 19:08
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0024

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-20
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346503
Date Collected: 7/11/03 Time: 10:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 19:08
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0025

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-25
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346504
Date Collected: 7/11/03 Time: 11:00
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 19:38
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0026

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-25
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346504
Date Collected: 7/11/03 Time: 11:00
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 19:38
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0027

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-30
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346505
Date Collected: 7/11/03 Time: 11:10
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 20:08
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0028

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-30
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346505
Date Collected: 7/11/03 Time: 11:10
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 20:08
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0029

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-35
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346506
Date Collected: 7/11/03 Time: 12:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 20:38
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0030

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-35
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346506
Date Collected: 7/11/03 Time: 12:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 20:38
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0031

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-40
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346507
Date Collected: 7/11/03 Time: 13:20
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 21:07
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0032

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-40
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346507
Date Collected: 7/11/03 Time: 13:20
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 21:07
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0033

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-45
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346508
Date Collected: 7/11/03 Time: 13:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 21:37
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0034

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-45
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346508
Date Collected: 7/11/03 Time: 13:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 21:37
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0035

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MCA-VP-02-45

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-DUP1
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346509
Date Collected: 7/11/03 Time: 8:00
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 22:07
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0036

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MCA-VP-02-45

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-02-DUP1
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346509
Date Collected: 7/11/03 Time: 8:00
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 22:07
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0037

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-15
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346510
Date Collected: 7/11/03 Time: 14:40
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 22:37
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0038

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-15
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346510
Date Collected: 7/11/03 Time: 14:40
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 22:37
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0039

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-20
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346511
Date Collected: 7/11/03 Time: 14:45
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 23:07
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0040

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-20
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346511
Date Collected: 7/11/03 Time: 14:45
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 23:07
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0041

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-25
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346512
Date Collected: 7/11/03 Time: 14:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 23:37
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0042

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-25
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346512
Date Collected: 7/11/03 Time: 14:50
Dilution Factor: 1
Date Analyzed: 7/17/03 Time: 23:37
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0043

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-30
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346513
Date Collected: 7/11/03 Time: 15:00
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 0:06
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0044

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-30
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346513
Date Collected: 7/11/03 Time: 15:00
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 0:06
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0045

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-35
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346514
Date Collected: 7/11/03 Time: 15:20
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 0:36
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0046

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-35
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346514
Date Collected: 7/11/03 Time: 15:20
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 0:36
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-40
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346515
Date Collected: 7/11/03 Time: 15:40
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 1:06
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0048

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-40
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346515
Date Collected: 7/11/03 Time: 15:40
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 1:06
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0049

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-45
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346516
Date Collected: 7/11/03 Time: 16:00
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 1:36
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0050

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1360

Sample ID: MCA-VP-03-45
Project ID MCA, DO#0037
Project Num 3465
Lab Sample ID: 346516
Date Collected: 7/11/03 Time: 16:00
Dilution Factor: 1
Date Analyzed: 7/18/03 Time: 1:36
Date Received: 7/12/03 12:01:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0051

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374102
Date Collected: 9/3/03 Time: 8:10
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 18:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0024

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374102
Date Collected: 9/3/03 Time: 8:10
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 18:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0025

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374103
Date Collected: 9/3/03 Time: 8:30
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 18:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0026

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374103
Date Collected: 9/3/03 Time: 8:30
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 18:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0027

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID: V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-25
Project ID: MCA , DO# 0037
Project Num: 3741
Lab Sample ID: 374104
Date Collected: 9/3/03 Time: 9:00
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 19:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0028

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374104
Date Collected: 9/3/03 Time: 9:00
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 19:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform	0.46	µg/l	J	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374105
Date Collected: 9/3/03 Time: 9:10
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 19:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0030

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374105
Date Collected: 9/3/03 Time: 9:10
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 19:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene	0.29	µg/l	J	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0031

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-4-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374127
Date Collected: 9/3/03 Time: 9:20
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 10:06
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0075

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-4-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374127
Date Collected: 9/3/03 Time: 9:20
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 10:06
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0076

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-4-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374129
Date Collected: 9/4/03 Time: 14:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 11:06
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0079

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-4-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374129
Date Collected: 9/4/03 Time: 14:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 11:06
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0080

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374106
Date Collected: 9/3/03 Time: 10:20
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 20:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-04-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374106
Date Collected: 9/3/03 Time: 10:20
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 20:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0033

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-15
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341301
Date Collected: 6/27/03 Time: 11:55
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 9:56
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0018

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-15
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341301
Date Collected: 6/27/03 Time: 11:55
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 9:56
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-20
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341302
Date Collected: 6/27/03 Time: 12:10
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 10:27
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0020

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-20
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341302
Date Collected: 6/27/03 Time: 12:10
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 10:27
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0021

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-25
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341303
Date Collected: 6/27/03 Time: 12:30
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 10:59
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0022

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Sample ID: VP-5-25
Client ID: CESAS
Project ID MCA DO#037
Matrix: W
Project Num 3413
Sample g/ml: 25
Lab Sample ID: 341303
% Solids: not dec.
Date Collected: 6/27/03 Time: 12:30
Instrument ID V5973A
Dilution Factor: 1
Analytical Method: 8260B
Date Analyzed: 7/1/03 Time: 10:59
Prep Method: EPA 5030
Date Received: 6/28/03 11:30:00 AM
Analytical Batch: 1323

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0023

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-35
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341304
Date Collected: 6/27/03 Time: 13:10
Dilution Factor: 10
Date Analyzed: 7/1/03 Time: 11:32
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	2.22	20
71-55-6	1,1,1-Trichloroethane		µg/l	U	1.8	20
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	1	20
79-00-5	1,1,2-Trichloroethane		µg/l	U	1.43	20
75-34-3	1,1-Dichloroethane		µg/l	U	2.14	20
75-35-4	1,1-Dichloroethene		µg/l	U	1.83	20
563-58-6	1,1-Dichloropropene		µg/l	U	1	20
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	1.42	20
96-18-4	1,2,3-Trichloropropane		µg/l	U	1.07	20
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	1.08	20
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	1.11	20
96-12-8	1,2Dibromo3chloropropane		µg/l	U	1.33	20
106-93-4	1,2-Dibromoethane		µg/l	U	1.17	20
95-50-1	1,2-Dichlorobenzene		µg/l	U	1.41	20
107-06-2	1,2-Dichloroethane		µg/l	U	1.82	20
78-87-5	1,2-Dichloropropane		µg/l	U	1.19	20
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	1.13	20
541-73-1	1,3-Dichlorobenzene		µg/l	U	1.89	20
142-28-9	1,3-Dichloropropane		µg/l	U	1.07	20
106-46-7	1,4-Dichlorobenzene		µg/l	U	1.5	20
590-20-7	2,2-Dichloropropane		µg/l	U	1.08	20
78-93-3	2-Butanone		µg/l	U	4.81	20
95-49-8	2-Chlorotoluene		µg/l	U	1.06	20
591-78-6	2-Hexanone		µg/l	U	1.63	20
106-43-4	4-Chlorotoluene		µg/l	U	1	20
99-87-6	4-Isopropyltoluene		µg/l	U	1	20
108-10-1	4-Methyl-2-pentanone		µg/l	U	1.28	20
67-64-1	Acetone		µg/l	U	6.12	20
107-02-8	Acrolein		µg/l	U	20	40
107-13-1	Acrylonitrile		µg/l	U	20	40
71-43-2	Benzene		µg/l	U	1.39	20
108-86-1	Bromobenzene		µg/l	U	1.56	20
74-97-5	Bromochloromethane		µg/l	U	1.65	20
75-27-4	Bromodichloromethane		µg/l	U	1.35	20
75-25-2	Bromoform		µg/l	U	1.63	20

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0024

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories | Sample ID: VP-5-35

Client ID: CESAS | Project ID MCA DO#037

Matrix: W | Project Num 3413

Sample g/ml: 25 | Lab Sample ID: 341304

% Solids: not dec. | Date Collected: 6/27/03 Time: 13:10

Instrument ID V5973A | Dilution Factor: 10

Analytical Method: 8260B | Date Analyzed: 7/1/03 Time: 11:32

Prep Method: EPA 5030 | Date Received: 6/28/03 11:30:00 AM

Analytical Batch: 1323

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	2.01	20
75-15-0	Carbon disulfide		µg/l	U	1.83	20
56-23-5	Carbon tetrachloride		µg/l	U	1.37	20
108-90-7	Chlorobenzene		µg/l	U	1.56	20
75-00-3	Chloroethane		µg/l	U	2.07	20
67-66-3	Chloroform		µg/l	U	2.14	20
74-87-3	Chloromethane		µg/l	U	1.73	20
156-59-2	cis-1,2-Dichloroethene		µg/l	U	1.51	20
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	1	20
124-48-1	Dibromochloromethane		µg/l	U	1.33	20
74-95-3	Dibromomethane		µg/l	U	1	20
75-71-8	Dichlorodifluoromethane		µg/l	U	5	20
108-20-3	Diisopropyl ether		µg/l	U	5	20
100-41-4	Ethylbenzene		µg/l	U	1	20
87-68-3	Hexachlorobutadiene		µg/l	U	1.92	20
74-88-2	Iodomethane		µg/l	U	2	20
98-82-8	Isopropylbenzene		µg/l	U	1	20
75-09-2	Methylene chloride		µg/l	U	3.98	20
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	1	20
m+p xylene	m-Xylene and p-Xylene		µg/l	U	2.16	20
91-20-3	Naphthalene		µg/l	U	1.39	20
104-51-8	n-Butylbenzene		µg/l	U	1.4	20
103-65-1	n-Propylbenzene		µg/l	U	1	20
95-47-6	o-Xylene		µg/l	U	1.02	20
135-98-8	sec-Butylbenzene		µg/l	U	1.33	20
100-42-5	Styrene		µg/l	U	1	20
98-06-6	tert-Butylbenzene		µg/l	U	1.7	20
127-18-4	Tetrachloroethene		µg/l	U	1.15	20
108-88-3	Toluene		µg/l	U	1.05	20
156-60-5	trans-1,2-Dichloroethene		µg/l	U	1.52	20
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	1	20
79-01-6	Trichloroethene		µg/l	U	1.51	20
75-69-4	Trichlorofluoromethane		µg/l	U	1.11	20
108-05-4	Vinyl acetate		µg/l	U	5	20
75-01-4	Vinyl chloride		µg/l	U	2.39	20

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0025

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-40
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341305
Date Collected: 6/27/03 Time: 14:00
Dilution Factor: 10
Date Analyzed: 7/1/03 Time: 12:04
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	2.22	20
71-55-6	1,1,1-Trichloroethane		µg/l	U	1.8	20
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	1	20
79-00-5	1,1,2-Trichloroethane		µg/l	U	1.43	20
75-34-3	1,1-Dichloroethane		µg/l	U	2.14	20
75-35-4	1,1-Dichloroethene		µg/l	U	1.83	20
563-58-6	1,1-Dichloropropene		µg/l	U	1	20
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	1.42	20
96-18-4	1,2,3-Trichloropropane		µg/l	U	1.07	20
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	1.08	20
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	1.11	20
96-12-8	1,2Dibromo3chloropropane		µg/l	U	1.33	20
106-93-4	1,2-Dibromoethane		µg/l	U	1.17	20
95-50-1	1,2-Dichlorobenzene		µg/l	U	1.41	20
107-06-2	1,2-Dichloroethane		µg/l	U	1.82	20
78-87-5	1,2-Dichloropropane		µg/l	U	1.19	20
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	1.13	20
541-73-1	1,3-Dichlorobenzene		µg/l	U	1.89	20
142-28-9	1,3-Dichloropropane		µg/l	U	1.07	20
106-46-7	1,4-Dichlorobenzene		µg/l	U	1.5	20
590-20-7	2,2-Dichloropropane		µg/l	U	1.08	20
78-93-3	2-Butanone		µg/l	U	4.81	20
95-49-8	2-Chlorotoluene		µg/l	U	1.06	20
591-78-6	2-Hexanone		µg/l	U	1.63	20
106-43-4	4-Chlorotoluene		µg/l	U	1	20
99-87-6	4-Isopropyltoluene		µg/l	U	1	20
108-10-1	4-Methyl-2-pentanone		µg/l	U	1.28	20
67-64-1	Acetone		µg/l	U	6.12	20
107-02-8	Acrolein		µg/l	U	20	40
107-13-1	Acrylonitrile		µg/l	U	20	40
71-43-2	Benzene		µg/l	U	1.39	20
108-86-1	Bromobenzene		µg/l	U	1.56	20
74-97-5	Bromochloromethane		µg/l	U	1.65	20
75-27-4	Bromodichloromethane		µg/l	U	1.35	20
75-25-2	Bromoform		µg/l	U	1.63	20

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0026

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-40
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341305
Date Collected: 6/27/03 Time: 14:00
Dilution Factor: 10
Date Analyzed: 7/1/03 Time: 12:04
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	2.01	20
75-15-0	Carbon disulfide		µg/l	U	1.83	20
56-23-5	Carbon tetrachloride		µg/l	U	1.37	20
108-90-7	Chlorobenzene		µg/l	U	1.56	20
75-00-3	Chloroethane		µg/l	U	2.07	20
67-66-3	Chloroform		µg/l	U	2.14	20
74-87-3	Chloromethane		µg/l	U	1.73	20
156-59-2	cis-1,2-Dichloroethene		µg/l	U	1.51	20
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	1	20
124-48-1	Dibromochloromethane		µg/l	U	1.33	20
74-95-3	Dibromomethane		µg/l	U	1	20
75-71-8	Dichlorodifluoromethane		µg/l	U	5	20
108-20-3	Diisopropyl ether		µg/l	U	5	20
100-41-4	Ethylbenzene		µg/l	U	1	20
87-68-3	Hexachlorobutadiene		µg/l	U	1.92	20
74-88-2	Iodomethane		µg/l	U	2	20
98-82-8	Isopropylbenzene		µg/l	U	1	20
75-09-2	Methylene chloride		µg/l	U	3.98	20
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	1	20
m+p xylene	m-Xylene and p-Xylene		µg/l	U	2.16	20
91-20-3	Naphthalene		µg/l	U	1.39	20
104-51-8	n-Butylbenzene		µg/l	U	1.4	20
103-65-1	n-Propylbenzene		µg/l	U	1	20
95-47-6	o-Xylene		µg/l	U	1.02	20
135-98-8	sec-Butylbenzene		µg/l	U	1.33	20
100-42-5	Styrene		µg/l	U	1	20
98-06-6	tert-Butylbenzene		µg/l	U	1.7	20
127-18-4	Tetrachloroethene		µg/l	U	1.15	20
108-88-3	Toluene		µg/l	U	1.05	20
156-60-5	trans-1,2-Dichloroethene		µg/l	U	1.52	20
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	1	20
79-01-6	Trichloroethene		µg/l	U	1.51	20
75-69-4	Trichlorofluoromethane		µg/l	U	1.11	20
108-05-4	Vinyl acetate		µg/l	U	5	20
75-01-4	Vinyl chloride		µg/l	U	2.39	20

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0027

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-45
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341309
Date Collected: 6/27/03 Time: 14:10
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 14:14
Date Received: 6/28/03 12:33:53 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0034

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-45
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341309
Date Collected: 6/27/03 Time: 14:10
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 14:14
Date Received: 6/28/03 12:33:53 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0035

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR VP-5-45

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-DUP
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341306
Date Collected: 6/27/03 Time: 13:00
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 12:36
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0028

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR VP-5-45

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973A
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1323

Sample ID: VP-5-DUP
Project ID MCA DO#037
Project Num 3413
Lab Sample ID: 341306
Date Collected: 6/27/03 Time: 13:00
Dilution Factor: 1
Date Analyzed: 7/1/03 Time: 12:36
Date Received: 6/28/03 11:30:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0029

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374112
Date Collected: 9/4/03 Time: 8:15
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 23:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0044

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374112
Date Collected: 9/4/03 Time: 8:15
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 23:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0045

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374113
Date Collected: 9/4/03 Time: 8:25
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 23:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0046

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374113
Date Collected: 9/4/03 Time: 8:25
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 23:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374114
Date Collected: 9/4/03 Time: 8:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 0:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374114
Date Collected: 9/4/03 Time: 8:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 0:08
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374115
Date Collected: 9/4/03 Time: 8:35
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 0:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0050

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374115
Date Collected: 9/4/03 Time: 8:35
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 0:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0051

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374116
Date Collected: 9/4/03 Time: 8:45
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 1:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0052

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374116
Date Collected: 9/4/03 Time: 8:45
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 1:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0053

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MCA-VP-6-35

Lab Name: Analytical Managment Laboratories | Sample ID: MCA-VP-6-DUP1

Client ID: CESAS | Project ID MCA , DO# 0037

Matrix: W | Project Num 3741

Sample g/ml: 25 | Lab Sample ID: 374119

% Solids: not dec. | Date Collected: 9/4/03 Time: 8:00

Instrument ID V5973B | Dilution Factor: 5

Analytical Method: 8260B | Date Analyzed: 9/10/03 Time: 6:07

Prep Method: EPA 5030 | Date Received: 9/5/03 9:15:00 AM

Analytical Batch: 1461

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.665	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
107-02-8	Acrolein		µg/l	U	10	20
107-13-1	Acrylonitrile		µg/l	U	10	20
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0059

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE FOR MCA-VP-6-35

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-6-DUP1
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374119
Date Collected: 9/4/03 Time: 8:00
Dilution Factor: 5
Date Analyzed: 9/10/03 Time: 6:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
108-20-3	Diisopropyl ether		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
74-88-2	Iodomethane		µg/l	U	1	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	2.5	10
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0060

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374117
Date Collected: 9/4/03 Time: 8:51
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 1:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-6-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374117
Date Collected: 9/4/03 Time: 8:51
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 1:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0055

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-6-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374118
Date Collected: 9/4/03 Time: 9:10
Dilution Factor: 5
Date Analyzed: 9/10/03 Time: 5:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1.11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1.07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0.915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0.5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.54	10
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.555	10
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.665	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0.595	10
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0.535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2.41	10
95-49-8	2-Chlorotoluene		µg/l	U	0.53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0.5	10
99-87-6	4-Isopropyltoluene		µg/l	U	0.5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.64	10
67-64-1	Acetone		µg/l	U	3.06	10
107-02-8	Acrolein		µg/l	U	10	20
107-13-1	Acrylonitrile		µg/l	U	10	20
71-43-2	Benzene		µg/l	U	0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0.825	10
75-27-4	Bromodichloromethane		µg/l	U	0.675	10
75-25-2	Bromoform		µg/l	U	0.815	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0057

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-6-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374118
Date Collected: 9/4/03 Time: 9:10
Dilution Factor: 5
Date Analyzed: 9/10/03 Time: 5:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	1.01	10
75-15-0	Carbon disulfide		µg/l	U	0.915	10
56-23-5	Carbon tetrachloride		µg/l	U	0.685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1.03	10
67-66-3	Chloroform		µg/l	U	1.07	10
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.5	10
124-48-1	Dibromochloromethane		µg/l	U	0.665	10
74-95-3	Dibromomethane		µg/l	U	0.5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2.5	10
108-20-3	Diisopropyl ether		µg/l	U	2.5	10
100-41-4	Ethylbenzene		µg/l	U	0.5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0.96	10
74-88-2	Iodomethane		µg/l	U	1	10
98-82-8	Isopropylbenzene		µg/l	U	0.5	10
75-09-2	Methylene chloride		µg/l	U	1.99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.5	10
m+p xylene	m-Xylene and p-Xylene		µg/l	U	1.08	10
91-20-3	Naphthalene		µg/l	U	0.695	10
104-51-8	n-Butylbenzene		µg/l	U	0.7	10
103-65-1	n-Propylbenzene		µg/l	U	0.5	10
95-47-6	o-Xylene		µg/l	U	0.51	10
135-98-8	sec-Butylbenzene		µg/l	U	0.665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0.85	10
127-18-4	Tetrachloroethene		µg/l	U	0.575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.5	10
79-01-6	Trichloroethene		µg/l	U	0.755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	2.5	10
75-01-4	Vinyl chloride		µg/l	U	1.2	10

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0058

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-15
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374702
Date Collected: 9/5/03 Time: 10:20
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 21:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0019

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-15
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374702
Date Collected: 9/5/03 Time: 10:20
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 21:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	0.42	µg/l	J	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0020

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-20
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374703
Date Collected: 9/5/03 Time: 10:25
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 22:24
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0021

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-20
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374703
Date Collected: 9/5/03 Time: 10:25
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 22:24
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	0.23	µg/l	J	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	1.47	µg/l	J	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-25
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374704
Date Collected: 9/5/03 Time: 10:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 22:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0023

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-25
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374704
Date Collected: 9/5/03 Time: 10:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 22:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	0.51	µg/l	J	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	9.55	µg/l		0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-30
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374705
Date Collected: 9/5/03 Time: 10:40
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 23:24
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0025

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-30
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374705
Date Collected: 9/5/03 Time: 10:40
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 23:24
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	8.11	µg/l		0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene	0.44	µg/l	J	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	46.2	µg/l		0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0026

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-35
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374706
Date Collected: 9/5/03 Time: 10:43
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 23:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0027

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-35
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374706
Date Collected: 9/5/03 Time: 10:43
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 23:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0028

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-40
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374707
Date Collected: 9/5/03 Time: 11:00
Dilution Factor: 1
Date Analyzed: 9/11/03 Time: 0:24
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0029

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-40
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374707
Date Collected: 9/5/03 Time: 11:00
Dilution Factor: 1
Date Analyzed: 9/11/03 Time: 0:24
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0030

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-45
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374708
Date Collected: 9/5/03 Time: 11:15
Dilution Factor: 1
Date Analyzed: 9/11/03 Time: 0:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0031

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1462

Sample ID: MCA-VP-7-45
Project ID MCA, DO# 0037
Project Num 3747
Lab Sample ID: 374708
Date Collected: 9/5/03 Time: 11:15
Dilution Factor: 1
Date Analyzed: 9/11/03 Time: 0:54
Date Received: 9/6/03 11:00:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0032

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374120
Date Collected: 9/4/03 Time: 9:57
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 6:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0061

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-15
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374120
Date Collected: 9/4/03 Time: 9:57
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 6:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0062

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374121
Date Collected: 9/4/03 Time: 10:10
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 7:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0063

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-20
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374121
Date Collected: 9/4/03 Time: 10:10
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 7:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	0.34	µg/l	J	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	1.79	µg/l	J	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0064

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374122
Date Collected: 9/4/03 Time: 10:15
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 7:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0065

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-25
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374122
Date Collected: 9/4/03 Time: 10:15
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 7:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene	0.39	µg/l	J	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	1.17	µg/l	J	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0066

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374123
Date Collected: 9/4/03 Time: 10:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 8:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0067

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-30
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374123
Date Collected: 9/4/03 Time: 10:30
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 8:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene	1.8	µg/l	J	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene	4.33	µg/l		0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0068

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Sample ID: MCA-VP-8-35
Client ID: CESAS
Project ID MCA , DO# 0037
Matrix: W
Project Num 3741
Sample g/ml: 25
Lab Sample ID: 374124
% Solids: not dec.
Date Collected: 9/4/03 Time: 10:45
Instrument ID V5973B
Dilution Factor: 1
Analytical Method: 8260B
Date Analyzed: 9/10/03 Time: 8:37
Prep Method: EPA 5030
Date Received: 9/5/03 9:15:00 AM
Analytical Batch: 1461

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0069

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-35
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374124
Date Collected: 9/4/03 Time: 10:45
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 8:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0070

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Sample ID: MCA-VP-8-40
Client ID: CESAS
Project ID MCA , DO# 0037
Matrix: W
Project Num 3741
Sample g/ml: 25
Lab Sample ID: 374125
% Solids: not dec.
Date Collected: 9/4/03 Time: 11:00
Instrument ID V5973B
Dilution Factor: 1
Analytical Method: 8260B
Date Analyzed: 9/10/03 Time: 9:07
Prep Method: EPA 5030
Date Received: 9/5/03 9:15:00 AM
Analytical Batch: 1461

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-40
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374125
Date Collected: 9/4/03 Time: 11:00
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 9:07
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0072

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374126
Date Collected: 9/4/03 Time: 11:20
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 9:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0.222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	.2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0.1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1,1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0.108	2
95-63-6	1,2,4-Trimethylbenzene		µg/l	U	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0.117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene		µg/l	U	0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0.481	2
95-49-8	2-Chlorotoluene		µg/l	U	0.106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0.1	2
99-87-6	4-Isopropyltoluene		µg/l	U	0.1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0.612	2
107-02-8	Acrolein		µg/l	U	2	4
107-13-1	Acrylonitrile		µg/l	U	2	4
71-43-2	Benzene		µg/l	U	0.139	2
108-86-1	Bromobenzene		µg/l	U	0.156	2
74-97-5	Bromochloromethane		µg/l	U	0.165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0.163	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0073

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1461

Sample ID: MCA-VP-8-45
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374126
Date Collected: 9/4/03 Time: 11:20
Dilution Factor: 1
Date Analyzed: 9/10/03 Time: 9:37
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
108-20-3	Diisopropyl ether		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
74-88-2	Iodomethane		µg/l	U	0.2	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0074

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID V5973B
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1460

Sample ID: MCA-VP-BLK1
Project ID MCA , DO# 0037
Project Num 3741
Lab Sample ID: 374111
Date Collected: 9/3/03 Time: 16:00
Dilution Factor: 1
Date Analyzed: 9/9/03 Time: 22:38
Date Received: 9/5/03 9:15:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-83-9	Bromomethane		µg/l	U	0.201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0.1	2
124-48-1	Dibromochloromethane		µg/l	U	0.133	2
74-95-3	Dibromomethane		µg/l	U	0.1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0.5	2
100-41-4	Ethylbenzene		µg/l	U	0.1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0.192	2
98-82-8	Isopropylbenzene		µg/l	U	0.1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0.1	2
m+p xylene	m-Xylene and p-Xylene		µg/l	U	0.216	2
91-20-3	Naphthalene		µg/l	U	0.139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene		µg/l	U	0.1	2
95-47-6	o-Xylene		µg/l	U	0.102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0.1	2
98-06-6	tert-Butylbenzene		µg/l	U	0.17	2
127-18-4	Tetrachloroethene		µg/l	U	0.115	2
108-88-3	Toluene		µg/l	U	0.105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0.1	2
79-01-6	Trichloroethene		µg/l	U	0.151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0.239	2

EPA Lab Code:KS00902
Kansas Certification:E-10254

FORM I VOA - Equivalent

0043

AML
Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

U/P VOC = 7 day holding time (RS)

22552

Page ____ of ____

Chain of Custody Record / Request for Analysis

Client Contact Name: Mark Harvison
Company Name: USACE
Address: 100 W. Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5151
Fax #: (912) 652-5311

Project Name: MCA
Project Number: DO#037
Purchase Order Number:
Project Due Date:
Project Comments:
Sampler's Signature:

Laboratory Project Number: 3413

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO3	NaOH	H2SO4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1 3413-01	VP-5-15	6/27/03	1155	Aq	3					3						3									
2 3413-02	20		1210																						
3 3413-03	25		1230																						
4 3413-04	30		1310																						
(5) 3413	35																								no sample
6 3413-05	40		1400																						
7 3413-09	45		1410																						
8 3413-06	DUP																								
9 3413-07	BLK																								
10 3413-08	Trip Blank															3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY

Relinquished By:	Tracey Tapley	Date/Time:	6/27/03 1530	Received By:	FEDEX	Date/Time:	6/27/03 1530
Relinquished By:		Date/Time:		Received By:	Rob Smith	Date/Time:	6-28-03 1130

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☐ Courier ☑ Airbill #: 8402 4393 1957	☑ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	3.1 °C ☑ Temp. Blank ☐ Cooler	

A-422

0011

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

23768

Page 1 of 1

Chain of Custody Record / Request for Analysis

0010

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 west Oglethorpe Ave.
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5151
Fax #: (912) 652-5311

Project Name: MCA
Project Number:
Purchase Order Number: DCH0037
Project Due Date:
Project Comments:
Sampler's Signature: Anthony Johnson

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 3747

Method # --->

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
3747-01	TRIP BLANK	9/5/03		water	2	2										2									
3747-02	MCA-VP-7-15	9/5/03	1020	"	3					3						3									
3747-03	MCA-VP-7-20	9/5/03	1025	"	3					3						3									
3747-04	MCA-VP-7-25	9/5/03	1030	"	3					3						3									
3747-05	MCA-VP-7-30	9/5/03	1040	"	3					3						3									
3747-06	MCA-VP-7-35	9/5/03	1048	"	3					3						3									
3747-07	MCA-VP-7-40	9/5/03	1100	"	3					3						3									
3747-08	MCA-VP-7-45	9/5/03	1115	"	3					3						3									
9																									
10																									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY					
Relinquished By:		Date/Time: 9/5/03 1500	Received By: Shipped	Date/Time:	
Relinquished By:		Date/Time:	Received By:	Date/Time:	09/06/03 1100am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier Fed Ex ☐ Airbill #	☐ Yes ☐ No ☐ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	4.9 °C ☑ Temp. Blank	

A-423

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

23099

Page 1 of 2

Chain of Custody Record / Request for Analysis

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 West Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5151
Fax #: (912) 652-5311

Project Name: MCA
Project Number:
Purchase Order Number: PO# 0037
Project Due Date:
Project Comments:
Sampler's Signature: Anthony Jenkins

Laboratory Project Number: 3465

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1	3465-01	TRIP BLANK			2	2										2									
2	3465-02	MCA-VP-02-15	7/11/03	1040	Aq	3					3					3									
3	3465-03	MCA-VP-02-20	7/11/03	1050	Aq	3					3					3									
4	3465-04	MCA-VP-02-25	7/11/03	1100	Aq	3					3					3									
5	3465-05	MCA-VP-02-30	7/11/03	1110	Aq	3					3					3									
6	3465-06	MCA-VP-02-35	7/11/03	1250	Aq	3					3					3									
7	3465-07	MCA-VP-02-40	7/11/03	1320	Aq	3					3					3									Air bubble (RJ)
8	3465-08	MCA-VP-02-45	7/11/03	1350	Aq	3					3					3									" " (RJ)
9	3465-09	MCA-VP-02-DUP1	7/11/03	0800	Aq	3					3					3									Air bubble (RJ)
10	3465-10	MCA-VP-03-15	7/11/03	1440	Aq	3					3					3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY						
Relinquished By:	[signature]	Date/Time:	7/11/03 1730	Received By:	Shipped	Date/Time:
Relinquished By:	FedEx	Date/Time:	→	Received By:	Robbyn	Date/Time: 7-12-03 1201

0011

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEx ☑ Airbill #: 836984565928	☑ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	3.6 °C ☐ Temp. Blank ☐ Cooler	

A-424

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

23143

Chain of Custody Record / Request for Analysis

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 West Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) -652-5151
Fax #: (912) 652-5311

Project Name: MCA
Project Number:
Purchase Order Number: Oc#0037
Project Due Date:
Project Comments:
Sampler's Signature:

Laboratory Project Number: 3465

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
1	3465-11 MCA-VP-03-20	7/11/03	1445	Aq	3					3						3									
2	3465-12 MCA-VP-03-25	7/11/03	1450	Aq	3					3						3									
3	3465-13 MCA-VP-03-30	7/11/03	1500	Aq	3					3						3									
4	3465-14 MCA-VP-03-35	7/11/03	1520	Aq	3					3						3									
5	3465-15 MCA-VP-03-40	7/11/03	1540	Aq	3					3						3									
6	3465-16 MCA-VP-03-45	7/11/03	1600	Aq	3					3						3									
7	3465-17 MCA-VP-03-DUP1	7/11/03	1630	Aq	3					3						3									
8																									
9																									
10																									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY							
Relinquished By:	[signature]	Date/Time:	7/11/03 1730	Received By:	Shipped	Date/Time:	—
Relinquished By:	Fed Ex →	Date/Time:	→	Received By:	Rob Gaud	Date/Time:	7-12-03 1201

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier Fed Ex ☐ Airbill #: 836984565928	☑ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	3.6 °C ☑ Temp. Blank ☐ Cooler	

A-425

0012

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

22553

Chain of Custody Record / Request for Analysis

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 west Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5151
Fax #: (912) 652-5311

Project Name: MCA
Project Number:
Purchase Order Number: Dc #CC37
Project Due Date:
Project Comments:
Sampler's Signature: Anthony Jernigan

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 3741

Method # --->

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO3	NaOH	H2SO4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
3741-01	TRIP BLANK			water	2	2										2									
3741-02	MCA-VP-04-15	9-3-03	0845	water	3	3										3									
3741-03	MCA-VP-04-20	9-3-03	0850	"	3	3										3									
3741-04	MCA-VP-04-25	9-3-03	0900	"	3	3										3									
3741-05	MCA-VP-04-30	9-3-03	0910	"	3	3										3									
6	~~MCA-VP-04-35~~	9-3-03	0920	"	3	3										3									removed
7	~~MCA-VP-04-40~~	9-3-03	0930	"	3	3										3									removed
3741-06	MCA-VP-04-45	9-3-03	1020	"	3	3										3									
9	~~MCA-VP-DUP~~	9-3-03	0930	"	3	3										3									removed
3741-07	MCA-VP-1-15	9-3-03	1215	"	3	3										3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY							
Relinquished By:	[signature]	Date/Time:	9/4/03 1700	Received By:	Shipped	Date/Time:	—
Relinquished By:		Date/Time:		Received By:	[signature]	Date/Time:	09/05/03 09:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditiions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier Fedex ☐ Airbill # 842971183474	☐ Yes ☐ No ☐ Intact ☐ Broken	☐ Ice ☐ Blue Ice ☐ None	2.2 °C ☑ Temp. Blank ☐ Cooler	

A-426

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

23721

Chain of Custody Record / Request for Analysis

001

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 West Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5181
Fax #: (912) 652-5311

Project Name: MCA
Project Number:
Purchase Order Number: DCA0037
Project Due Date:
Project Comments:
Sampler's Signature: Anthony Jernigan

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 3741

Method # --->

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
3741-08	MCA-VP-120	9-3-03	1220	water	3	3										3									
3741-09	MCA-VP-1-25	9-3-03	1230	"	3	3										3									
3	~~MCA-VP-1-30~~	~~9-3-03~~	~~1240~~	~~"~~	~~3~~	~~3~~										~~3~~									~~removed~~
4	~~MCA-VP-1-35~~	~~9-3-03~~	~~1250~~	~~"~~	~~3~~	~~3~~										~~3~~									~~removed~~
5	~~MCA-VP-1-40~~	~~9-3-03~~	~~1310~~	~~"~~	~~3~~	~~3~~										~~3~~									~~removed~~
3741-10	MCA-VP-1-45	9-3-03	1320	"	3	3										3									
3741-11	MCA-VP-BIK1	9-3-03	1000	"	3	3										3									
3741-12	MCA-VP-6-15	9-4-03	815	"	3					3						3									
3741-13	MCA-VP-6-20	9-4-03	825	"	3					3						3									
3741-14	MCA-VP-6-25	9-4-03	830	"	3					3						3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY							
Relinquished By:		Date/Time:	1700 9/4/03	Received By:	Shipped	Date/Time:	—
Relinquished By:		Date/Time:		Received By:		Date/Time:	09/05/03 09:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered In Person ☑ Courier Fedex ☐ AirBill #: 842599183474	☑ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	2.2 °C ☑ Temp. Blank ☐ Cooler	

A-427

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

23722

Chain of Custody Record / Request for Analysis

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 West Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5151
Fax #: (912) 652-5311

Project Name: MCA
Project Number:
Purchase Order Number: DOA0037
Project Due Date:
Project Comments:
Sampler's Signature: Anthony Jernigan

Laboratory Project Number: 3741

Analyses/Method to be Performed (Check all that apply)

Method # --->

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
3741-15	MCA-UP-G-30	9-4-03	0835	water	3					3						3									
3741-16	MCA-UP-G-35	9-4-03	0845	"	3					3						3									
3741-17	MCA-UP-G-40	9-4-03	0857	"	3					3						3									
3741-18	MCA-UP-G-45	9-4-03	0910	"	3					3						3									
5	~~MCA-UP-DUP1~~	AM																							remove
3741-19	MCA-UP-G-DUP1	9-4-03	0900	"	3					3						3									
3741-20	MCA-UP-S-15	9-4-03	0957	"	3					3						3									
3741-21	MCA-UP-S-20	9-4-03	1010	"	3					3						3									
3741-22	MCA-UP-S-25	9-4-03	1015	"	3					3						3									
3741-23	MCA-UP-S-30	9-4-03	1030	"	3					3						3									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY						
Relinquished By:		Date/Time:	9/4/03 1700	Received By:	Shipped	Date/Time:	—
Relinquished By:		Date/Time:		Received By:		Date/Time:	09/05/03 09:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person	☐ Yes ☐ No	☐ Ice	2-2°	
☐ Courier FedEx	☐ Intact	☐ Blue Ice	☐ Temp. Blank	
☐ Airbill #: 811991923471	☐ Broken	☐ None	☐ Cooler	

A-428

Analytical Management Laboratories, Inc.
15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

23723

Chain of Custody Record / Request for Analysis

0013

Client Contact Name: Mark Harrison
Company Name: US Army Corps of Engineers
Address: 100 West Oglethorpe Ave
City, State, Zip: Savannah GA 31401
Phone #: (912) 652-5151
Fax #: (912) 652-5711

Project Name: MCA
Project Number:
Purchase Order Number: DO#0037
Project Due Date:
Project Comments:
Sampler's Signature: Anthony Jenkins

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: 3741

Method # --->

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative: HCl	HNO_3	NaOH	H_2SO_4	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pestecides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Comments:
3741-24	MCA-VP-8-35	9-4-03	1045	water	3					3						3									
3741-25	MCA-VP-8-40	9-4-03	1100	water	3					3						3									
3741-26	MCA-VP-8-45	9-4-03	1120	water	3					3						3									
3741-27	MCA-VP-4-35	9-3-03	0920	water	3	3										3									
3741-28	MCA-VP-1-30	9-3-03	1240	water	3	3										3									
3741-29	MCA-VP-4-40	9-4-03	1430	"	3					3						3									
3741-30	MCA-VP-1-35	9-4-03	1330	"	3					3						3									
3741-31	MCA-VP-1-40	9-4-03	1345	"	3					3						3									
3741-32	MCA-VP-BLK2	9-4-03	1600	"	3					3						3									
10																									

Please include any information that may be useful in the analysis of the sample.

Example: high concentration

CUSTODY					
Relinquished By:		Date/Time: 9/4/03 1700	Received By: Shipped	Date/Time:	
Relinquished By:		Date/Time:	Received By:	Date/Time:	09/05/03 09:15am

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method	Custody Seals	Coolant	Cooler Temp.	Receiving Comments:
☐ Delivered in Person ☑ Courier FedEx ☐ Airbill #: 811259918474	☐ Yes ☐ No ☑ Intact ☐ Broken	☑ Ice ☐ Blue Ice ☐ None	2.2 °C ☐ Temp. Blank ☐ Cooler	

ANALYTICAL REPORT

Job Number: 680-13810-1

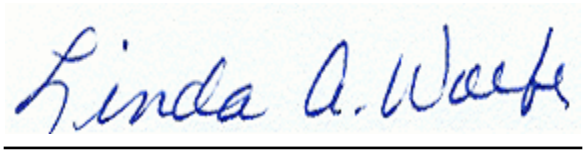
SDG Number: HAAF03

Job Description: HGL (Hunter AAF Project)

For:

Severn Trent Laboratories, Inc.
2417 Bond Street
University, IL 60466

Attention: Linda Mackley



Linda Wolfe

Project Manager I

lwolfe@stl-inc.com

02/23/2006

cc: Mr. Eric Evans
Mr. Mike Jackson

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

SEVERN TRENT STL

COMMERCIAL LABORATORY STIPULATION

Georgia Rules for Commercial Environmental Laboratory Accreditation
Chapter 391-3-26

LABORATORY:	STL Savannah
ACCREDITOR:	NELAC: State of Florida, Department of Health, Bureau of Laboratories
ACCREDITATION ID:	E87052
SCOPE:	Safe Drinking Water Act (SDWA) Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA) Clean Air Act (CAA)
EFFECTIVE:	July 1, 2004 **EXPIRATION DATE:** June 30, 2006

LABORATORY:	STL Savannah
ACCREDITOR:	American Association of Laboratory Accreditation (A2LA)
ACCREDITATION ID:	6883
SCOPE:	Safe Drinking Water Act (SDWA) Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA) Clean Air Act (CAA)
EFFECTIVE:	August 24, 2005 **EXPIRATION DATE:** February 28, 2007

LABORATORY:	STL Savannah
ACCREDITOR:	NELAC: State of New York, Department of Health
ACCREDITATION ID:	10842
SCOPE:	Safe Drinking Water Act (SDWA)
EFFECTIVE:	March 31, 2005 **EXPIRATION DATE:** April 1, 2006

As per the Georgia EPD Rules and Regulations for Commercial Laboratories, STL Savannah is accredited by the Florida Department of Health and the New York Department of Health under the National Environmental Laboratory Approval Program (NELAC) and by the American Association for Laboratory Accreditation (A2LA). If you have any further questions regarding accreditation status for STL Savannah, please contact your STL Savannah Project Manager.

STL Savannah
5102 LaRoche Avenue; Savannah, GA 31404
Phone: (912) 354-7858 FAX: (912) 352-0165
http://www.stl-inc.com

STL Savannah is a part of Severn Trent Laboratories, Inc.

EXECUTIVE SUMMARY - Detections

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-13810-1	**MCA-GW067-41-0206**					
Acetone		13	J	25	ug/L	8260B
Methyl Ethyl Ketone		11		10	ug/L	8260B
680-13810-3	**MCA-GW067-30-0206**					
Acetone		18	J	25	ug/L	8260B
Methyl Ethyl Ketone		4.1	J	10	ug/L	8260B
680-13810-4	**MCA-GW069-15-0206**					
Trichloroethene		5.0		1.0	ug/L	8260B
680-13810-5	**MCA-GW069-30-0206**					
cis-1,2-Dichloroethene		38		1.0	ug/L	8260B
Trichloroethene		25		1.0	ug/L	8260B
1,3,5-Trimethylbenzene		2.5		1.0	ug/L	8260B
680-13810-7	**MCA-GW042B-15-0206**					
cis-1,2-Dichloroethene		2.6		1.0	ug/L	8260B
Trichloroethene		13		1.0	ug/L	8260B

METHOD SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SAV	SW846 8260B	
Purge-and-Trap for Aqueous	STL-SAV		SW846 5030B

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-13810-1	MCA-GW067-41-0206	Water	02/21/2006 1130	02/22/2006 0835
680-13810-2	MCA-GW067-15-0206	Water	02/21/2006 1200	02/22/2006 0835
680-13810-3	MCA-GW067-30-0206	Water	02/21/2006 1250	02/22/2006 0835
680-13810-4	MCA-GW069-15-0206	Water	02/21/2006 1350	02/22/2006 0835
680-13810-5	MCA-GW069-30-0206	Water	02/21/2006 1410	02/22/2006 0835
680-13810-7	MCA-GW042b-15-0206	Water	02/21/2006 1535	02/22/2006 0835
680-13810-8	MCA-GW042b-28-0206	Water	02/21/2006 1605	02/22/2006 0835
680-13810-9	MCA-GW042b-45-0206	Water	02/21/2006 1650	02/22/2006 0835
680-13810-13	MCA-GW048-15-0206	Water	02/22/2006 0745	02/22/2006 0835

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW067-41-0206**

Lab Sample ID: 680-13810-1
Client Matrix: Water

Date Sampled: 02/21/2006 1130
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1517
Date Prepared: 02/22/2006 1517

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0193.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	13	J	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	11		0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW067-41-0206

Lab Sample ID: 680-13810-1
Client Matrix: Water

Date Sampled: 02/21/2006 1130
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1517
Date Prepared: 02/22/2006 1517

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0193.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	89	77 - 120
Dibromofluoromethane	78	75 - 123
Toluene-d8	91	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW067-15-0206**

Lab Sample ID: 680-13810-2
Client Matrix: Water

Date Sampled: 02/21/2006 1200
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1546
Date Prepared: 02/22/2006 1546

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0195.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW067-15-0206

Lab Sample ID: 680-13810-2
Client Matrix: Water

Date Sampled: 02/21/2006 1200
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1546
Date Prepared: 02/22/2006 1546

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0195.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	77 - 120
Dibromofluoromethane	81	75 - 123
Toluene-d8	91	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW067-30-0206**

Lab Sample ID: 680-13810-3
Client Matrix: Water

Date Sampled: 02/21/2006 1250
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1614
Date Prepared: 02/22/2006 1614

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0197.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	18	J	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	4.1	J	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW067-30-0206

Lab Sample ID: 680-13810-3
Client Matrix: Water

Date Sampled: 02/21/2006 1250
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1614
Date Prepared: 02/22/2006 1614

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0197.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	77 - 120
Dibromofluoromethane	80	75 - 123
Toluene-d8	92	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW069-15-0206**

Lab Sample ID: 680-13810-4
Client Matrix: Water

Date Sampled: 02/21/2006 1350
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1642
Date Prepared: 02/22/2006 1642

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0199.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
Trichloroethene	5.0		0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW069-15-0206

Lab Sample ID: 680-13810-4
Client Matrix: Water

Date Sampled: 02/21/2006 1350
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1642
Date Prepared: 02/22/2006 1642

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0199.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	77 - 120
Dibromofluoromethane	83	75 - 123
Toluene-d8	89	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW069-30-0206**

Lab Sample ID: 680-13810-5
Client Matrix: Water

Date Sampled: 02/21/2006 1410
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1710
Date Prepared: 02/22/2006 1710

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0201.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	38		0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
Trichloroethene	25		0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW069-30-0206

Lab Sample ID: 680-13810-5
Client Matrix: Water

Date Sampled: 02/21/2006 1410
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1710
Date Prepared: 02/22/2006 1710

Analysis Batch: 680-37082

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0201.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	2.5		0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	87	77 - 120
Dibromofluoromethane	78	75 - 123
Toluene-d8	90	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW042b-15-0206**

Lab Sample ID: 680-13810-7
Client Matrix: Water

Date Sampled: 02/21/2006 1535
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1531
Date Prepared: 02/22/2006 1531

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0194.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	2.6		0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
Trichloroethene	13		0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW042b-15-0206

Lab Sample ID: 680-13810-7
Client Matrix: Water

Date Sampled: 02/21/2006 1535
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1531
Date Prepared: 02/22/2006 1531

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0194.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	77 - 120
Dibromofluoromethane	83	75 - 123
Toluene-d8	100	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW042b-28-0206**

Lab Sample ID: 680-13810-8
Client Matrix: Water

Date Sampled: 02/21/2006 1605
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1600
Date Prepared: 02/22/2006 1600

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0196.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW042b-28-0206

Lab Sample ID: 680-13810-8
Client Matrix: Water

Date Sampled: 02/21/2006 1605
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1600
Date Prepared: 02/22/2006 1600

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0196.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	77 - 120
Dibromofluoromethane	87	75 - 123
Toluene-d8	99	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW042b-45-0206**

Lab Sample ID: 680-13810-9
Client Matrix: Water

Date Sampled: 02/21/2006 1650
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1628
Date Prepared: 02/22/2006 1628

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0198.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW042b-45-0206

Lab Sample ID: 680-13810-9
Client Matrix: Water

Date Sampled: 02/21/2006 1650
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1628
Date Prepared: 02/22/2006 1628

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0198.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	77 - 120
Dibromofluoromethane	81	75 - 123
Toluene-d8	99	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: **MCA-GW048-15-0206**

Lab Sample ID: 680-13810-13
Client Matrix: Water

Date Sampled: 02/22/2006 0745
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1656
Date Prepared: 02/22/2006 1656

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0200.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Client Sample ID: MCA-GW048-15-0206

Lab Sample ID: 680-13810-13
Client Matrix: Water

Date Sampled: 02/22/2006 0745
Date Received: 02/22/2006 0835

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/22/2006 1656
Date Prepared: 02/22/2006 1656

Analysis Batch: 680-37077

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0200.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U *	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	89	77 - 120
Dibromofluoromethane	86	75 - 123
Toluene-d8	101	79 - 122

DATA REPORTING QUALIFIERS

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyte was not detected at or above the reporting limit.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:680-37077				
LCS 680-37077/6	Lab Control Spike	Water	8260B	
LCSD 680-37077/7	Lab Control Spike Duplicate	Water	8260B	
MB 680-37077/8	Method Blank	Water	8260B	
680-13810-7	MCA-GW042b-15-0206	Water	8260B	
680-13810-8	MCA-GW042b-28-0206	Water	8260B	
680-13810-9	MCA-GW042b-45-0206	Water	8260B	
680-13810-13	MCA-GW048-15-0206	Water	8260B	
Analysis Batch:680-37082				
LCS 680-37082/3	Lab Control Spike	Water	8260B	
MB 680-37082/4	Method Blank	Water	8260B	
680-13810-1	MCA-GW067-41-0206	Water	8260B	
680-13810-2	MCA-GW067-15-0206	Water	8260B	
680-13810-3	MCA-GW067-30-0206	Water	8260B	
680-13810-4	MCA-GW069-15-0206	Water	8260B	
680-13810-5	MCA-GW069-30-0206	Water	8260B	

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample	(BFB) (%Rec)	(DBFM) (%Rec)	(TOL) (%Rec)
LCS 680-37077/6	LCS	99	86	102
LCS 680-37082/3	LCS	90	81	92
LCSD 680-37077/7	LCSD	102	89	104
MB 680-37077/8	MB	97	86	100
MB 680-37082/4	MB	88	79	91
680-13810-1	MCA-GW067-41-0206	89	78	91
680-13810-2	MCA-GW067-15-0206	90	81	91
680-13810-3	MCA-GW067-30-0206	88	80	92
680-13810-4	MCA-GW069-15-0206	84	83	89
680-13810-5	MCA-GW069-30-0206	87	78	90
680-13810-7	MCA-GW042b-15-0206	93	83	100
680-13810-8	MCA-GW042b-28-0206	95	87	99
680-13810-9	MCA-GW042b-45-0206	90	81	99
680-13810-13	MCA-GW048-15-0206	89	86	101

Surrogate		Acceptance Limits
(BFB)	4-Bromofluorobenzene	77 - 120
(DBFM)	Dibromofluoromethane	75 - 123
(TOL)	Toluene-d8	79 - 122

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Method Blank - Batch: 680-37077

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-37077/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1503
Date Prepared: 02/22/2006 1503

Analysis Batch: 680-37077
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq174.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Method Blank - Batch: 680-37077

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-37077/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1503
Date Prepared: 02/22/2006 1503

Analysis Batch: 680-37077
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq174.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	86	75 - 123
Toluene-d8	100	79 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-37077

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 680-37077/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1339
Date Prepared: 02/22/2006 1339

Analysis Batch: 680-37077
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq168.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-37077/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1407
Date Prepared: 02/22/2006 1407

Analysis Batch: 680-37077
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq170.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	77	86	20 - 183	10	50		
Benzene	92	93	74 - 122	1	30		
Bromoform	99	104	64 - 132	5	30		
Bromomethane	74	78	21 - 176	6	50		
Carbon disulfide	67	69	60 - 130	3	30		
Carbon tetrachloride	115	117	64 - 137	1	30		
Chlorobenzene	98	100	75 - 123	3	30		
Chlorodibromomethane	107	112	75 - 126	4	30		
Chloroethane	78	80	40 - 171	3	50		
Chloroform	84	88	74 - 124	5	30		
Chloromethane	58	60	51 - 133	3	50		
cis-1,2-Dichloroethene	78	81	69 - 126	4	30		
cis-1,3-Dichloropropene	98	99	76 - 126	2	30		
Dichlorobromomethane	115	114	74 - 128	1	30		
1,1-Dichloroethane	73	78	70 - 127	6	30		
1,2-Dichloroethane	123	126	68 - 130	2	30		
1,1-Dichloroethene	70	74	64 - 132	5	30		
1,2-Dichloropropane	91	92	74 - 123	1	30		
Ethylbenzene	99	101	77 - 123	3	30		
2-Hexanone	104	110	58 - 139	5	30		
Methylene Chloride	74	77	67 - 128	5	30		
Methyl Ethyl Ketone	80	89	51 - 142	10	30		
methyl isobutyl ketone	108	110	62 - 130	2	30		
Styrene	98	100	75 - 125	2	30		
1,1,2,2-Tetrachloroethane	100	104	71 - 127	3	30		
Tetrachloroethene	99	100	70 - 133	1	30		
Toluene	96	97	75 - 122	0	30		
trans-1,2-Dichloroethene	77	80	67 - 130	4	30		
trans-1,3-Dichloropropene	113	115	75 - 126	2	30		
1,1,1-Trichloroethane	118	118	70 - 132	0	30		
1,1,2-Trichloroethane	103	102	75 - 122	1	30		
Trichloroethene	96	99	75 - 122	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-37077

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 680-37077/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1339
Date Prepared: 02/22/2006 1339

Analysis Batch: 680-37077
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq168.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-37077/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1407
Date Prepared: 02/22/2006 1407

Analysis Batch: 680-37077
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq170.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Vinyl chloride	60	61	59 - 136	3	50		
Xylenes, Total	96	97	77 - 121	2	30		
Bromobenzene	103	107	55 - 131	4	30		
Bromochloromethane	76	79	50 - 154	4	30		
n-Butylbenzene	100	101	47 - 130	1	30		
sec-Butylbenzene	101	102	53 - 125	1	30		
tert-Butylbenzene	101	101	51 - 134	1	30		
2-Chlorotoluene	101	104	53 - 133	2	30		
4-Chlorotoluene	104	105	47 - 132	1	30		
1,2-Dibromo-3-Chloropropane	101	109	14 - 147	8	30		
1,2-Dibromoethane	100	104	60 - 118	3	30		
Dibromomethane	104	107	70 - 130	3	30		
Dichlorodifluoromethane	59	62	70 - 130	6	30	*	*
1,3-Dichloropropane	105	105	60 - 125	0	30		
2,2-Dichloropropane	108	112	42 - 155	4	30		
1,1-Dichloropropene	103	102	70 - 130	1	30		
Isopropylbenzene	99	100	62 - 122	2	30		
p-Isopropyltoluene	104	108	58 - 123	4	30		
Methyl tert-butyl ether	84	89	70 - 130	6	30		
N-Propylbenzene	100	104	53 - 125	4	30		
1,1,1,2-Tetrachloroethane	101	103	62 - 107	2	30		
1,2,3-Trichlorobenzene	96	100	38 - 130	4	30		
Trichlorofluoromethane	90	91	74 - 165	1	50		
1,2,4-Trimethylbenzene	103	105	53 - 142	2	30		
1,3,5-Trimethylbenzene	102	103	50 - 127	1	30		
o-Xylene	98	99	76 - 122	1	30		
m-Xylene & p-Xylene	95	97	74 - 123	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	102	77 - 120
Dibromofluoromethane	86	89	75 - 123
Toluene-d8	102	104	79 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-37077

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 680-37077/6	Analysis Batch: 680-37077	Instrument ID: GC/MS Volatiles - P
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: pq168.d
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 5 mL
Date Analyzed:	02/22/2006 1339		Final Weight/Volume: 5 mL
Date Prepared:	02/22/2006 1339		

LCSD Lab Sample ID:	LCSD 680-37077/7	Analysis Batch: 680-37077	Instrument ID: GC/MS Volatiles - P
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: pq170.d
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 5 mL
Date Analyzed:	02/22/2006 1407		Final Weight/Volume: 5 mL
Date Prepared:	02/22/2006 1407		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-37077

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 680-37077/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1339
Date Prepared: 02/22/2006 1339

Units: ug/L

LCSD Lab Sample ID: LCSD 680-37077/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1407
Date Prepared: 02/22/2006 1407

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acetone	100	100	77	86
Benzene	50.0	50.0	46	47
Bromoform	50.0	50.0	49	52
Bromomethane	50.0	50.0	37	39
Carbon disulfide	50.0	50.0	33	34
Carbon tetrachloride	50.0	50.0	58	58
Chlorobenzene	50.0	50.0	49	50
Chlorodibromomethane	50.0	50.0	54	56
Chloroethane	50.0	50.0	39	40
Chloroform	50.0	50.0	42	44
Chloromethane	50.0	50.0	29	30
cis-1,2-Dichloroethene	50.0	50.0	39	40
cis-1,3-Dichloropropene	50.0	50.0	49	50
Dichlorobromomethane	50.0	50.0	57	57
1,1-Dichloroethane	50.0	50.0	37	39
1,2-Dichloroethane	50.0	50.0	62	63
1,1-Dichloroethene	50.0	50.0	35	37
1,2-Dichloropropane	50.0	50.0	46	46
Ethylbenzene	50.0	50.0	49	51
2-Hexanone	100	100	100	110
Methylene Chloride	50.0	50.0	37	39
Methyl Ethyl Ketone	100	100	80	89
methyl isobutyl ketone	100	100	110	110
Styrene	50.0	50.0	49	50
1,1,2,2-Tetrachloroethane	50.0	50.0	50	52
Tetrachloroethene	50.0	50.0	49	50
Toluene	50.0	50.0	48	48
trans-1,2-Dichloroethene	50.0	50.0	38	40
trans-1,3-Dichloropropene	50.0	50.0	56	57
1,1,1-Trichloroethane	50.0	50.0	59	59
1,1,2-Trichloroethane	50.0	50.0	52	51
Trichloroethene	50.0	50.0	48	50
Vinyl chloride	50.0	50.0	30	31
Xylenes, Total	150	150	140	150
Bromobenzene	50.0	50.0	52	54
Bromochloromethane	50.0	50.0	38	39
n-Butylbenzene	50.0	50.0	50	51
sec-Butylbenzene	50.0	50.0	50	51
tert-Butylbenzene	50.0	50.0	51	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-37077

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 680-37077/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1339
Date Prepared: 02/22/2006 1339

Units: ug/L

LCSD Lab Sample ID: LCSD 680-37077/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1407
Date Prepared: 02/22/2006 1407

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2-Chlorotoluene	50.0	50.0	51	52
4-Chlorotoluene	50.0	50.0	52	52
1,2-Dibromo-3-Chloropropane	50.0	50.0	51	55
1,2-Dibromoethane	50.0	50.0	50	52
Dibromomethane	50.0	50.0	52	54
Dichlorodifluoromethane	50.0	50.0	29 *	31 *
1,3-Dichloropropane	50.0	50.0	52	53
2,2-Dichloropropane	50.0	50.0	54	56
1,1-Dichloropropene	50.0	50.0	52	51
Isopropylbenzene	50.0	50.0	49	50
p-Isopropyltoluene	50.0	50.0	52	54
Methyl tert-butyl ether	100	100	84	89
N-Propylbenzene	50.0	50.0	50	52
1,1,1,2-Tetrachloroethane	50.0	50.0	50	51
1,2,3-Trichlorobenzene	50.0	50.0	48	50
Trichlorofluoromethane	50.0	50.0	45	46
1,2,4-Trimethylbenzene	50.0	50.0	52	53
1,3,5-Trimethylbenzene	50.0	50.0	51	52
o-Xylene	50.0	50.0	49	49
m-Xylene & p-Xylene	100	100	95	97

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Method Blank - Batch: 680-37082

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-37082/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1449
Date Prepared: 02/22/2006 1449

Analysis Batch: 680-37082
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq173.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	25	U	7.3	25
Benzene	1.0	U	0.54	1.0
Bromoform	1.0	U	0.36	1.0
Bromomethane	1.0	U	0.93	1.0
Carbon disulfide	1.0	U	0.75	1.0
Carbon tetrachloride	1.0	U	0.91	1.0
Chlorobenzene	1.0	U	0.41	1.0
Chlorodibromomethane	1.0	U	0.40	1.0
Chloroethane	1.0	U	0.89	1.0
Chloroform	1.0	U	0.52	1.0
Chloromethane	1.0	U	0.53	1.0
cis-1,2-Dichloroethene	1.0	U	0.55	1.0
cis-1,3-Dichloropropene	1.0	U	0.41	1.0
Dichlorobromomethane	1.0	U	0.42	1.0
1,1-Dichloroethane	1.0	U	0.56	1.0
1,2-Dichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethene	1.0	U	0.93	1.0
1,2-Dichloropropane	1.0	U	0.26	1.0
Ethylbenzene	1.0	U	0.62	1.0
2-Hexanone	10	U	0.39	10
Methylene Chloride	5.0	U	0.44	5.0
Methyl Ethyl Ketone	10	U	0.72	10
methyl isobutyl ketone	10	U	0.45	10
Styrene	1.0	U	0.42	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
Tetrachloroethene	1.0	U	0.75	1.0
Toluene	1.0	U	0.62	1.0
trans-1,2-Dichloroethene	1.0	U	0.80	1.0
trans-1,3-Dichloropropene	1.0	U	0.36	1.0
1,1,2-Trichloroethane	1.0	U	0.37	1.0
1,1,1-Trichloroethane	1.0	U	0.79	1.0
Trichloroethene	1.0	U	0.71	1.0
Vinyl chloride	1.0	U	0.92	1.0
Xylenes, Total	2.0	U	1.3	2.0
Bromobenzene	1.0	U	0.45	1.0
Bromochloromethane	1.0	U	0.25	1.0
n-Butylbenzene	1.0	U	0.38	1.0
sec-Butylbenzene	1.0	U	0.60	1.0
tert-Butylbenzene	1.0	U	0.63	1.0
2-Chlorotoluene	1.0	U	0.58	1.0
4-Chlorotoluene	1.0	U	0.44	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Method Blank - Batch: 680-37082

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-37082/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1449
Date Prepared: 02/22/2006 1449

Analysis Batch: 680-37082
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq173.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,2-Dibromo-3-Chloropropane	1.0	U	0.65	1.0
1,2-Dibromoethane	1.0	U	0.34	1.0
Dibromomethane	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U	0.73	1.0
1,3-Dichloropropane	1.0	U	0.31	1.0
2,2-Dichloropropane	1.0	U	0.86	1.0
1,1-Dichloropropene	1.0	U	0.80	1.0
Isopropylbenzene	1.0	U	0.66	1.0
p-Isopropyltoluene	1.0	U	0.52	1.0
Methyl tert-butyl ether	10	U	0.45	10
N-Propylbenzene	1.0	U	0.45	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.53	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
Trichlorofluoromethane	1.0	U	0.96	1.0
1,2,4-Trimethylbenzene	1.0	U	0.44	1.0
1,3,5-Trimethylbenzene	1.0	U	0.49	1.0
o-Xylene	1.0	U	0.49	1.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	77 - 120
Dibromofluoromethane	79	75 - 123
Toluene-d8	91	79 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control Sample - Batch: 680-37082

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 680-37082/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1325
Date Prepared: 02/22/2006 1325

Analysis Batch: 680-37082
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq167.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	71	71	20 - 183	
Benzene	50.0	43	86	74 - 122	
Bromoform	50.0	53	107	64 - 132	
Bromomethane	50.0	44	87	21 - 176	
Carbon disulfide	50.0	34	69	60 - 130	
Carbon tetrachloride	50.0	59	119	64 - 137	
Chlorobenzene	50.0	46	91	75 - 123	
Chlorodibromomethane	50.0	51	102	75 - 126	
Chloroethane	50.0	40	80	40 - 171	
Chloroform	50.0	42	84	74 - 124	
Chloromethane	50.0	31	62	51 - 133	
cis-1,2-Dichloroethene	50.0	35	70	69 - 126	
cis-1,3-Dichloropropene	50.0	50	100	76 - 126	
Dichlorobromomethane	50.0	51	103	74 - 128	
1,1-Dichloroethane	50.0	36	72	70 - 127	
1,2-Dichloroethane	50.0	61	121	68 - 130	
1,1-Dichloroethene	50.0	36	71	64 - 132	
1,2-Dichloropropane	50.0	41	83	74 - 123	
Ethylbenzene	50.0	46	91	77 - 123	
2-Hexanone	100	100	102	58 - 139	
Methylene Chloride	50.0	35	71	67 - 128	
Methyl Ethyl Ketone	100	79	79	51 - 142	
methyl isobutyl ketone	100	98	98	62 - 130	
Styrene	50.0	46	92	75 - 125	
1,1,2,2-Tetrachloroethane	50.0	48	96	71 - 127	
Tetrachloroethene	50.0	47	95	70 - 133	
Toluene	50.0	45	89	75 - 122	
trans-1,2-Dichloroethene	50.0	36	73	67 - 130	
trans-1,3-Dichloropropene	50.0	53	106	75 - 126	
1,1,2-Trichloroethane	50.0	42	85	75 - 122	
1,1,1-Trichloroethane	50.0	57	114	70 - 132	
Trichloroethene	50.0	47	93	75 - 122	
Vinyl chloride	50.0	33	65	59 - 136	
Xylenes, Total	150	130	90	77 - 121	
Bromobenzene	50.0	47	94	55 - 131	
Bromochloromethane	50.0	36	72	50 - 154	
n-Butylbenzene	50.0	52	104	47 - 130	
sec-Butylbenzene	50.0	49	99	53 - 125	
tert-Butylbenzene	50.0	50	101	51 - 134	
2-Chlorotoluene	50.0	48	97	53 - 133	
4-Chlorotoluene	50.0	46	93	47 - 132	
1,2-Dibromo-3-Chloropropane	50.0	54	107	14 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Laboratory Control Sample - Batch: 680-37082

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 680-37082/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2006 1325
Date Prepared: 02/22/2006 1325

Analysis Batch: 680-37082
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq167.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromoethane	50.0	49	97	60 - 118	
Dibromomethane	50.0	46	92	70 - 130	
Dichlorodifluoromethane	50.0	32	63	70 - 130	*
1,3-Dichloropropane	50.0	48	96	60 - 125	
2,2-Dichloropropane	50.0	54	108	42 - 155	
1,1-Dichloropropene	50.0	51	102	70 - 130	
Isopropylbenzene	50.0	48	96	62 - 122	
p-Isopropyltoluene	50.0	51	102	58 - 123	
Methyl tert-butyl ether	100	78	78	70 - 130	
N-Propylbenzene	50.0	50	100	53 - 125	
1,1,1,2-Tetrachloroethane	50.0	51	101	62 - 107	
1,2,3-Trichlorobenzene	50.0	52	105	38 - 130	
Trichlorofluoromethane	50.0	47	93	74 - 165	
1,2,4-Trimethylbenzene	50.0	50	99	53 - 142	
1,3,5-Trimethylbenzene	50.0	50	99	50 - 127	
o-Xylene	50.0	44	89	76 - 122	
m-Xylene & p-Xylene	100	90	90	74 - 123	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	90	77 - 120
Dibromofluoromethane	81	75 - 123
Toluene-d8	92	79 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
	0.mm009-001-02-02	GA
STL (LAB) PROJECT MANAGER: Linda Wolfe	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Eric Evans	CLIENT PHONE: 518-877-0340	CLIENT FAX: 518-877-0414
CLIENT NAME: HGL	CLIENT E-MAIL: eevans@hgl.com	
CLIENT ADDRESS: 313 Ushers Road Ballston Lake, NY 12019		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ◯
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: VOCs 8260B	REQUIRED ANALYSIS: VOCs 8260B	REMARKS
		PRESERVATIVE						None	HCl	
2-21-06	1130	MCA-GW067-41-0206	G	W				X		24 Hour TAT
	1200	MCA-GW067-15-0206								
	1250	MCA-GW067-30-0206								
	1350	MCA-GW069-15-0206								
	1410	MCA-GW069-30-0206								
	0800	MCA-GWDup101-0206								STANDARD TAT
	1535	MCA-GW042b-15-0206								24 Hour TAT
	1605	MCA-GW042b-28-0206								
	1650	MCA-GW042b-45-0206								
	0900	MCA-GWDup202-0206								STANDARD TAT
	1700	TB02210 6							X	
	1710	EB02210 6						X		

TEMP. 4.0

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	2-22-06	0815						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	2-22-06	0815						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
K Conway	2/22/06	0835	YES ◯ NO ◯		680-13810	

STL8240-680 (12/02)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

◯ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
	OM4009-001-02-02	GA
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Linda WOLFE		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
ERIC EVANS	518-877-0310	518-877-0414
CLIENT NAME	CLIENT E-MAIL	
HGL	eevans@HGL.com	
CLIENT ADDRESS		
213 USHERS RD BALLSTON LAKE		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ◯
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: VOCs 8260B	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-22-06	0745	MCA-GW048-15-0206	G	A				X	None	X	24 HR TAT

TEMP. 4.0

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	2-22-06	0815						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	2-22-06	0815						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
KL	2/22/06	0835	YES ◯ NO ◯		680-13810	

STL8240-680 (12/02)

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Severn Trent Laboratories, Inc.

Job Number: 680-13810-1
Sdg Number: HAAF03

Login Number: 13810

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	NA	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	NA	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	NA	
Multiphasic samples are not present.	NA	
Samples do not require splitting or compositing.	NA	

Result (acetone)

General Statistics

Number of Valid Observations	9	Number of Distinct Observations	9

Raw Statistics

Minimum	0.0065
Maximum	0.082
Mean	0.0477
Median	0.05
SD	0.029
Coefficient of Variation	0.608
Skewness	-0.354

Log-transformed Statistics

Minimum of Log Data	-5.036
Maximum of Log Data	-2.501
Mean of log Data	-3.331
SD of log Data	0.939

Warning: There are only 9 Values in this data

Note: It should be noted that even though bootstrap methods may be performed on this data set, the resulting calculations may not be reliable enough to draw conclusions

The literature suggests to use bootstrap methods on data sets having more than 10-15 observations.

Relevant UCL Statistics

Normal Distribution Test

Shapiro Wilk Test Statistic	0.907
Shapiro Wilk Critical Value	0.829

Data appear Normal at 5% Significance Level

Lognormal Distribution Test

Shapiro Wilk Test Statistic	0.833
Shapiro Wilk Critical Value	0.829

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL	0.0657

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	0.0624
95% Modified-t UCL (Johnson-1978)	0.0655

Assuming Lognormal Distribution

95% H-UCL	0.156
95% Chebyshev (MVUE) UCL	0.126
97.5% Chebyshev (MVUE) UCL	0.158
99% Chebyshev (MVUE) UCL	0.22

Gamma Distribution Test

k star (bias corrected)	1.327
Theta Star	0.036
MLE of Mean	0.0477
MLE of Standard Deviation	0.0414
nu star	23.89

Data Distribution

Data appear Normal at 5% Significance Level

Approximate Chi Square Value (.05)	13.76
Adjusted Level of Significance	0.0231
Adjusted Chi Square Value	12.17
Anderson-Darling Test Statistic	0.586
Anderson-Darling 5% Critical Value	0.731
Kolmogorov-Smirnov Test Statistic	0.244
Kolmogorov-Smirnov 5% Critical Value	0.283

Data appear Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

95% Approximate Gamma UCL	0.0828
95% Adjusted Gamma UCL	0.0937

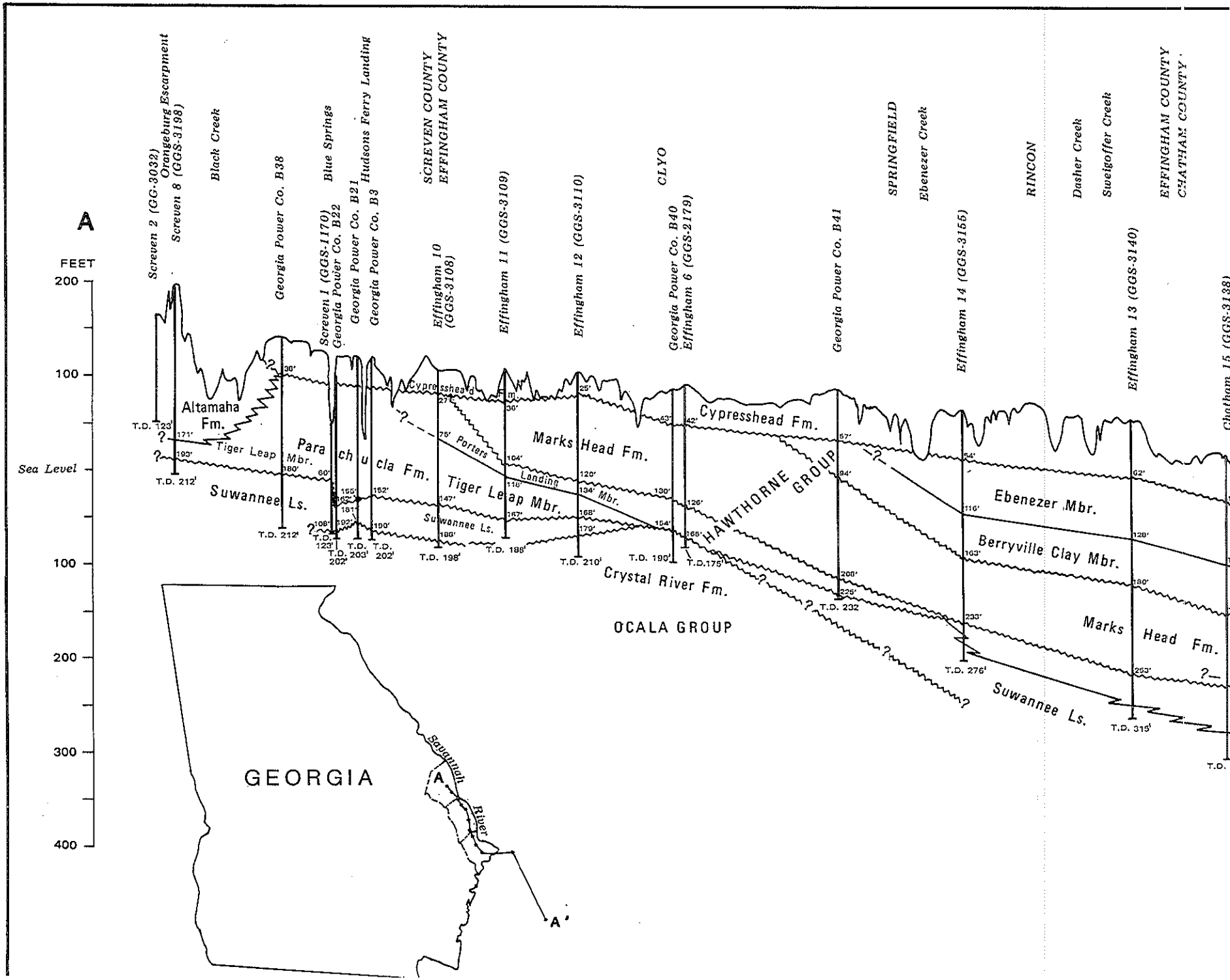
Nonparametric Statistics

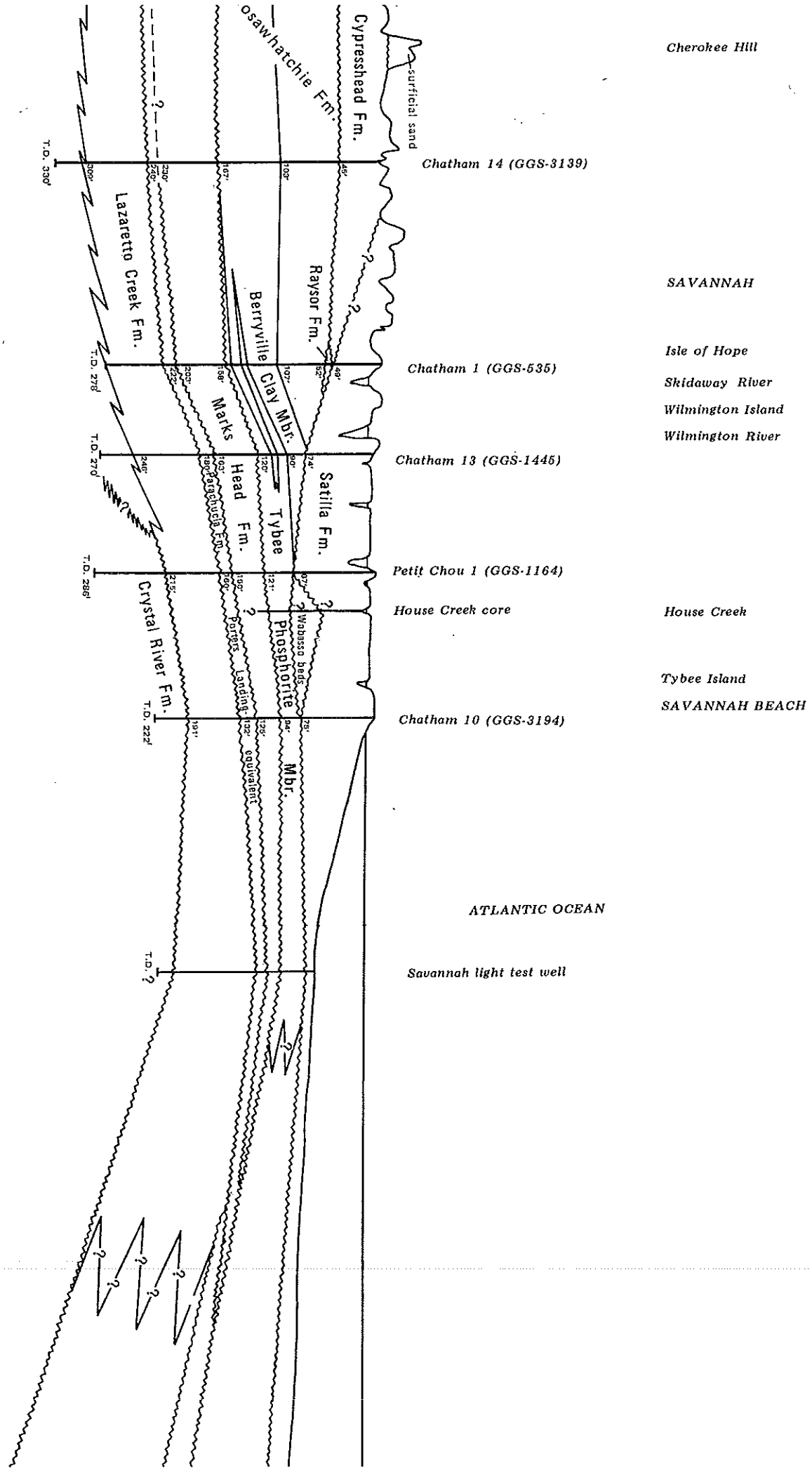
95% CLT UCL	0.0636
95% Jackknife UCL	0.0657
95% Standard Bootstrap UCL	0.0626
95% Bootstrap-t UCL	0.0652
95% Hall's Bootstrap UCL	0.0609
95% Percentile Bootstrap UCL	0.0629
95% BCA Bootstrap UCL	0.0619
95% Chebyshev(Mean, Sd) UCL	0.0899
97.5% Chebyshev(Mean, Sd) UCL	0.108
99% Chebyshev(Mean, Sd) UCL	0.144

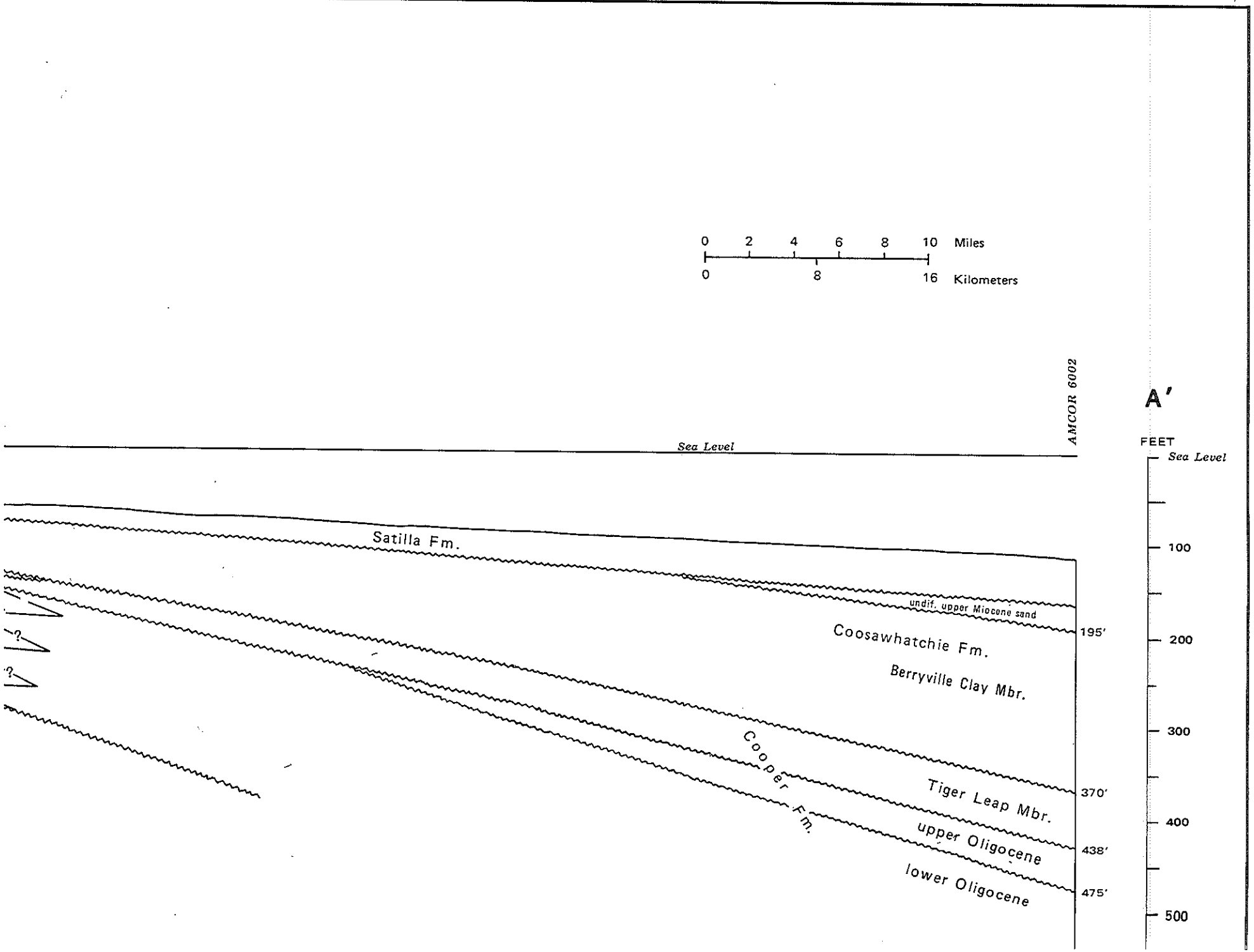
Potential UCL to Use

Use 95% Student's-t UCL 0.0657

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.


A
FEET
200
100
Sea Level
100
200
300
400
Screven 2 (GG-3032)
Orangeburg Escarpment
Screven 8 (GGS-3198)
Black Creek
Georgia Power Co. B38
Screven 1 (GGS-1170)
Georgia Power Co. B22
Blue Springs
Georgia Power Co. B21
Georgia Power Co. B3
Hudsons Ferry Landing
SCREVEN COUNTY
EFFINGHAM COUNTY
Effingham 10 (GGS-3108)
Effingham 11 (GGS-3109)
Effingham 12 (GGS-3110)
CLYO
Georgia Power Co. B40
Effingham 6 (GGS-2179)
Georgia Power Co. B41
SPRINGFIELD
Ebenezer Creek
Effingham 14 (GGS-3155)
RINCON
Dasher Creek
Sweigoffer Creek
Effingham 13 (GGS-3140)
EFFINGHAM COUNTY
CHATHAM COUNTY
Chatham 15 (GGS-3138)
Altamaha Fm.
Tiger Leap
Paracha ucla Fm.
Suwannee Ls.
Cypresshead Fm.
Porters
Landing
Marks Head Fm.
Tiger Leap Mbr.
HAWTHORNE GROUP
Ebenezer Mbr.
Berryville Clay Mbr.
Crystal River Fm.
OCALA GROUP
T.D. 212'
T.D. 123'
T.D. 202'
T.D. 203'
T.D. 198'
T.D. 188'
T.D. 210'
T.D. 190'
T.D. 175'
T.D. 232
T.D. 276'
T.D. 315'
GEORGIA
Savannah River
A
A'


Cypresshead Fm.
Osawhatchie Fm.
surficial sand
Cherokee Hill
Chatham 14 (GGS-3139)
T.D. 330'
Lazaretto Creek Fm.
Berryville Clay Mbr.
Raysor Fm.
SAVANNAH
Isle of Hope
Chatham 1 (GGS-535)
T.D. 278'
Skidaway River
Wilmington Island
Wilmington River
Marks Head Fm.
Tybee
Satilla Fm.
Chatham 13 (GGS-1445)
T.D. 270'
Parachucla Fm.
Petit Chou 1 (GGS-1164)
T.D. 286'
House Creek core
House Creek
Crystal River Fm.
Porters
Landing
Phosphorite
Wabasso beds
Tybee Island
SAVANNAH BEACH
Chatham 10 (GGS-3194)
T.D. 222'
equivalent
Mbr.
ATLANTIC OCEAN
Savannah light test well
T.D. ?


0 2 4 6 8 10 Miles
0 8 16 Kilometers
AMCOR 6002
A'
FEET
Sea Level
Sea Level
100
200
300
400
500
Satilla Fm.
undif. upper Miocene sand
195'
Coosawhatchie Fm.
Berryville Clay Mbr.
Cooper Fm.
Tiger Leap Mbr.
370'
upper Oligocene
438'
lower Oligocene
475'
?
?

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP)

Fort Stewart Military Reservation and Hunter Army Airfield, Georgia

February 2009

ARCADIS

Jane Kennedy
Project Chemist

Shelley D. Gibbons
Associate Project Manager

Charles A. Bertz, PE
Senior Project Manager

Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP)

Fort Stewart Military Reservation and Hunter Army Airfield, Georgia

Prepared for:
US Army Environmental Command

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Our Ref.:
GP08HAFS.SW00

Date:
February 5, 2009

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- Soil Sampling Summary
- Groundwater Sample Form
- Surface Water Sample Log
- PID Calibration Form
- Field Instrument Calibration Log
- Daily Log
- Chain-of-Custody Record

Acronyms and Abbreviations

amsl	above mean sea level
ARCADIS	ARCADIS U.S., Inc.
ASTM	American Society for Testing and Materials
bgs	below ground surface
COC	chain of custody
DPW	Department of Public Works
FID	flame ionization detector
ft	feet
GAEPD	Georgia Environmental Protection Division
gpm	gallons per minute
GPS	global positioning system
HASP	Health and Safety Plan
HSRA	Hazardous Site Response Act
IDW	investigative derived waste
MIP	membrane interface probe
mL/min	milliliters per minute
MS/MSDs	matrix spike/matrix spike duplicates
NAPL	non-aqueous phase liquid
NTUs	nephelometric turbidity units
O.D.	outside diameter
ORP	oxidation reduction potential
OCGA	Official Code of Georgia Annotated
PBC	Performance Based Contract

PCB	polychlorinated biphenyl
PID	photoionization detector
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
SAP	Sampling and Analysis Plan
TCLP	Toxicity Characteristic Leaching Procedure
UPC	Utility Protection Center
USEPA	United States Environmental Protection Agency
USCS	Unified Soil Classification System
VOC	volatile organic compound

1. Introduction

This Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) was prepared by ARCADIS U.S., Inc. (ARCADIS) to provide field personnel with detailed instructions and procedures regarding field activities to be performed in support of Resource Conservation and Recovery Act (RCRA) and Hazardous Site Response Act (HSRA) remedial activities and to document the performance of all environmental field activities at the Fort Stewart Military Reservation and Hunter Army Airfield in Georgia.

This site-wide SAP provides a detailed description of the field investigation methodologies that will be used to complete the RCRA and HSRA remedial process at the Sites included in ARCADIS' Performance Based Contract (PBC) contract. The QAPP, included as Appendix A, presents the policies, organization, objectives, functional activities, and specific quality assurance/ quality control (QA/QC) procedures. The QA/QC procedures will be employed by ARCADIS to ensure that all technical data generated are accurate and representative, and the data will be of known and usable quality for the intended purpose. Site-specific work plans that further define the scope of activities to be performed at each individual Site will reference this plan for the general procedures to be used in completing the prescribed field activities.

ARCADIS field personnel will use the procedures described in this SAP to produce accurate, comparable, and reproducible data for reduction and evaluation. This SAP is divided into four sections. A brief description of each section is provided below:

- **Section 1, Introduction** – Summarizes the purpose and organization of the plan.

- **Section 2, Site Preparation and Mobilization Procedures** – Describes the tasks to be performed prior to mobilization to the field, including notification and coordination requirements.

- **Section 3, Field Investigation Procedures** – Presents a detailed discussion of the procedures to be used in completing the field tasks, including information on drilling, well construction, sampling, decontamination, investigation derived waste, and the site survey.

- **Section 4, Field Documentation Procedures** – Outlines the methods to be used for sample designation, chain-of-custody (COC) procedures, and field documentation.

Throughout this SAP, reference is made to standard forms and logs used by ARCADIS field personnel to record field observations and measurements. Examples of each of these forms are provided in Appendix B of this SAP.

2. Site Preparation and Mobilization Procedures

Initial project coordination, subcontractor coordination, and utility clearance activities will be conducted prior to initiating the field sampling activities. These pre-mobilization activities are discussed in the following subsections.

2.1 Initial Coordination

The Fort Stewart and Hunter Army Airfield environmental staff will be notified at least 2 weeks before the start of any field work.

2.2 Mobilization and Subcontractor Coordination

The subcontractors, including drillers, laboratories, and surveyors, will be selected and contracts will be executed in advance of beginning the field activities.

2.3 Utility Clearance

Prior to mobilization, all underground utility lines, and other underground structures will be clearly marked. ARCADIS personnel will be responsible for making certain the underground utilities and structures are located and marked. ARCADIS is responsible for submitting a utility locate request through the Georgia Utility Protection Center (UPC). UPC will accept these locate request either by phone or internet. The phone number is (800) 282-7411. The UPC web address is www.gaupc.com and click on IRTH login to make the request. In order to submit a request using the website, pre-registration will be required. The contractor must mark the boundaries of the proposed work site using either white paint, flags or stakes. Department of Public Works (DPW) will accept responsibility for accuracy of the locates pertaining to gas and fuel lines, water lines, electrical lines to include secondary electricity, airfield lighting, low voltage, fire systems, sewer lines, roof drain lines, storm drain lines, industrial waste lines, chilled water lines, high temperature water lines, irrigation systems, and DPW non-fiber computer lines. These requests will be forwarded to all utility companies with services present within the proposed work site.

Permits will be issued within 48 hours of the next business day following the receipt of the request by UPC. The permits will only be valid for 21 days and renewal requests should be submitted a minimum of 3 days prior to expiration. Requesting contractors are responsible for maintaining marks during the 21-day period. If, after acquiring a

permit, a utility is damaged during field activities, the appropriate utility company must be notified. DPW's utilities are listed above and the points of contact are:

Fort Stewart	Carletha Joyce	(912) 767-6669
HAAF	Tony West	(912) 315-5523

The contractor should be prepared to submit proof of a valid permit at that time.

ARCADIS personnel will be responsible for notifying the Fort Stewart and Hunter Army Airfield environmental office of planned intrusive activities at least 2 weeks prior to the initiation of field activities. Upon arrival at the installation, the field operations leader will check the proposed drilling, sampling, and trenching locations for marked underground utilities, other underground structures, and above-ground pipe racks or power lines. A Utilities and Structures Checklist (Appendix B) will be completed by the Field Operations Leader for each area to be sampled prior to commencement of field activities. A copy of the completed checklist will be retained in the ARCADIS project file.

2.4 Site Reconnaissance

Prior to startup of drilling or sampling activities in a particular area, field personnel will conduct a brief site reconnaissance to determine if any problems with the drilling or sampling locations will be encountered. The sampling locations will be sketched on the Location Sketch Form (Appendix B). In addition, at the start of field activities at each Site, the field personnel will notify the Fort Stewart and Hunter Army Airfield environmental staff of the work schedule, and sampling and drilling locations.

2.5 Field Operations Contingency Plans

If during the field program, any unforeseen problems or conditions are encountered that require re-evaluation or corrective action, such as, but not limited to, extreme precipitation events, site emergencies that require evacuation of field personnel, changes in site conditions, security problems, loss of power or communications, or community relations problems, the following contingencies will be put into place:

- For any problem or condition encountered by the field team, the team personnel will immediately notify the Fort Stewart and Hunter Army Airfield environmental staff and/or the ARCADIS Project Manager for direction or approval of corrective action.

- If the problem or condition requires downtime at the site and re-evaluation of any site conditions, assumptions made about the site conditions, or plans prepared for the site, the field team will contact the ARCADIS Project Manager and the Fort Stewart and Hunter Army Airfield environmental staff for consultation.

- If after consultation, the problem or condition continues, the field program will remain on hold until direction is received from the Fort Stewart and Hunter Army Airfield representative and/or ARCADIS Project Manager. The field program will not continue until the problem is resolved.

- Any time these contingency procedures are implemented, the following will be documented in the daily log of activities:

  - Problem or condition encountered;
  - Personnel involved;
  - Management personnel contacted;
  - Corrective actions taken, if any; and
  - Dates and times involved.

2.6 On-Site ARCADIS Representative

A qualified ARCADIS representative will be on-site during all probing, drilling and sample collection activities. The ARCADIS representative will have in their possession a copy of the Site-Specific Work Plan and the associated Site-Wide Work Plans, including the SAP, QAPP, and Health and Safety Plan (HASP). The Site-Wide Work Plans encompass work at all Fort Stewart and Hunter Army Airfield PBC sites. The ARCADIS representative will also have on-site any equipment, tools, references, and documentation necessary to collect, describe, and document the information generated from the field activities.

2.7 Contractor Compliance and Permitting

The contractors selected for this project shall comply with any and all installation, local, state, and federal health and safety regulations and requirements. The contractors are responsible, per ARCADIS' contractual agreements, for securing and/or complying with permits required by state or local authorities. The selected contractors will have the necessary license(s) or certifications required to perform such work in Georgia.

2.8 Adherence to Technical Specifications

All work performed by ARCADIS or a contractor, whether it be drilling, sampling, equipment decontamination or other related activities will be in accordance with the procedures described in this SAP, and properly and completely documented by the on-site ARCADIS representative on forms provided herein (Appendix B).

3. Field Investigation Procedures

A detailed discussion of the field procedures that will be employed to complete the field tasks is provided in the following sections. All field procedures are in accordance with the United States Environmental Protection Agency (USEPA) Field Branches Quality System Technical Procedures (USEPA, 2008).

All soil, groundwater, and surface water samples collected will be analyzed by a certified Georgia Laboratory as listed in the Site-Wide QAPP (Appendix A). Samples will be preserved according to the selected analytical method. Specific method preservation requirements, size and type of sample containers to be used, and holding times for each parameter are listed in the Site-Wide QAPP (Appendix A).

3.1 Lithologic Logging

The lithology of the soil and bedrock samples collected will be described through visual observations of the soil/bedrock cores using the Unified Soil Classification System (USCS) and/or the American Society for Testing and Materials (ASTM) International Standard D 2488 for Description and Identification of Soils. The Boring/Well Construction Log (Appendix B) will be used to record lithologic logging observations. The following logging sequence will be used for the description of unconsolidated materials:

- Describe major soil type and percentage;
- Describe composition of the soil;
- Describe the moisture, texture, and color of the soil;
- Document other geologic observations such as bedding characteristics, structure and orientation, and primary and secondary permeability/porosity (if possible); and
- Document observations on drilling progress including sample interval loss and recovery.

3.2 Direct Push Borings and Sample Collection

Direct-push soil sampling consists of hydraulically pushing or driving a small diameter, hollow steel rod to a target depth and collecting a soil or groundwater sample. The equipment necessary for the collection of samples using the direct push technique is mounted on a regular van or truck for ease of mobility. The steel probe rods, 3 feet (ft) to 4 ft in length, are threaded for easy connection and have tight seals to provide a continuous length of rod. The rods are hydraulically driven or hammered to target depths. The steel rods can be driven to depths of up 150 ft through unconsolidated sediments.

3.2.1 Soil Sample Collection

The following procedures will be used during the collection of soil samples from direct push borings:

1. Record borehole location and intended sample depth intervals on the Boring/Well Construction Log (Appendix B).
2. Line the 3-ft or 4-ft steel soil sampler core barrel with an acetate, polyethylene or Teflon liner and attach sampler to end of steel rods.
3. Hydraulically push or drive the 3-ft or 4-ft soil sampler and rods to intended depth. Soil samples will be collected from intervals specified in the Site-Specific Work Plan.
4. Open the core barrel and disassemble revealing the soil core sample within the liner. Label the depths on each end of liner and mark the top and bottom to maintain proper core orientation
5. Remove a portion of the liner over the entire length of the core using an appropriate cutting tool.
6. Screen soils immediately in the field using a photoionization detector (PID) or flame ionization detector (FID) to document the levels of organic vapors present. To collect volatile organic headspace readings, place the soil sample in a sealed plastic bag approximately two-thirds full allowing for approximately 30 percent headspace. Place the bag in a dry area, which is as close to room temperature (70º F) as practical. After 10 minutes, use a PID or FID to measure the vapors that accumulate in the bag due to off-gassing from the sample. Base PID/FID usage on the target analytes. If a PID is used, select

the appropriate lamp based on the target analyte. Record the measurement on the Sample/Core Log.

7. Collect soil sample(s) for laboratory analysis. Don a clean pair of disposable gloves immediately prior to sample collection. VOC samples will be collected directly from the target depth interval of the soil core to minimize disturbance using an EnCore™ sampler or equivalent (Terra Core). Transfer the remaining soil from the target depth interval to a stainless steel bowl. Mix the soil using a stainless steel spoon until the sample is visually uniform. Remove any debris or larger rocks observed during mixing using the spoon. Collect non-VOC analysis samples from the bowl and place in appropriate sample container, label the container, and place on ice. Note on the field sample log the depth interval from which the sample aliquot was collected. The container and preservative requirements for soil samples are outlined in the Site-Wide QAPP (Appendix A). Double-bag the ice used for sample shipment in self-sealing bags prior to placement in the cooler.
8. Extract from the liners the portion of the soil core not submitted to the laboratory for analysis and use for logging purposes.
9. Describe the soil samples in the field. The lithology of the soil will be described by a qualified and experienced ARCADIS representative through visual observations of the soil core using the USCS or ASTM designation.
10. Place all soil cuttings in drums or roll-off box.
11. Properly decontaminate all down-hole sampling equipment prior to subsequent use in consecutive sample collection. Decontamination procedures are described in Section 3.12.

3.2.2 Groundwater Sample Collection

The following procedures will be used during the collection of shallow groundwater samples from direct push borings. When sampling for metals from direct push borings, both total and dissolved metals will be analyzed to assess the effect of turbidity on the sample results. Polychlorinated biphenyl (PCB) samples will not be collected from direct push borings.

1. Record sampling location and intended sample depth intervals on the Geoprobe® Groundwater Sampling Form (Appendix B).

2. Drive a stainless steel retractable screen attached to the bottom of the hollow steel rods to the target depth beneath the groundwater table. Target depths will be specified in the Site-Specific Work Plan for each Site.
3. Raise rods to approximately 2 to 4 ft to allow the screen to be exposed at the target depth, thus allowing collection of groundwater samples at the target depth.
4. Insert polyethylene or Tygon tubing (1/4-inch diameter) into the hollow rods to allow for collection of grab groundwater samples with a peristaltic pump or dedicated tubing with a check valve assemblage. The tubing with check valve method will be used as the sole means of collecting samples for volatiles organic analysis.
5. Don a clean pair of disposable gloves immediately prior to sample collection. Collect groundwater samples directly into laboratory-prepared, preserved sample bottles and place directly on ice. Fill the sample bottles in the following order: volatile organic compounds (VOCs) first, then remaining analytes.
6. Prepare sample containers according to the container and preservative requirements outlined in the QAPP (Appendix A). Include on the sample label the following: sample identifier, laboratory methodology requested, the sample matrix, date, time, project name, and name of sampler.

3.2.3 Membrane Interface Probe Borings

The Membrane Interface Probe (MIP) is a type of direct push tool, advanced by a standard direct push rig that logs both total VOC concentrations and soil conductivity with depth. The following procedures will be used during the completion of direct push borings using the MIP.

1. Record borehole location on the Boring/Well Construction Log (Appendix B).
2. Hydraulically push the MIP and rods to intended target depth, typically not greater than 60 ft below ground surface (bgs). Because the MIP probe cannot be hydraulically hammered, the MIP probe cannot be driven as deep as conventional Geoprobe® borings.

3.2.4 Temporary Piezometer Installation

Temporary piezometers may be installed in selected Geoprobe® groundwater boring locations in accordance with the Official Code of Georgia Annotated (OCGA) Well

Standards 12-5-134 (State of Georgia, 2008). The temporary piezometer installation procedures are discussed below.

1. After the collection of groundwater samples from the selected Geoprobe® groundwater borings, a temporary piezometer will be installed in the borehole and will be constructed with 10 ft sections of 1-inch to 1¼-inch diameter polyvinyl chloride (PVC) screen and riser.
2. The natural formation will be allowed to collapse around the piezometers.
3. The annular space around the upper 10 ft of the piezometer will be filled with granular bentonite and then hydrated to prevent possible interference from surface water leakage.
4. Because the piezometer is considered temporary, a concrete surface pad will not be installed. Unless otherwise approved by the Georgia Environmental Protection Division (GAEPD), temporary piezometers will be converted to permanent monitoring points or abandoned within 5 days.
5. Each piezometer will be closed with a PVC cap.

3.2.5 Temporary Piezometer Fluid Gauging

Static fluid levels in each temporary piezometer will be gauged using an electronic water-level indicator. Fluid-level measurements will be documented on the Water Level Measurement Form (Appendix B) and will later be converted to mean sea level for reporting purposes.

The following procedures will be implemented when collecting fluid-level measurements:

1. Remove the piezometer cap and document the general condition of the piezometer. In areas where non-aqueous phase liquids (NAPLs) are known to exist or have been present in the past, a PID or FID will be used to check the well for build-up of potentially hazardous gases.
2. Measure static fluid-level elevation using an electronic water-level indicator from fixed reference point (generally the north side of the top of the PVC casing).
3. Repeat the measurements every 5 minutes until two consecutive measurements are obtained that are within 0.01 ft.

Fluid-level measurements will be referenced to a surveyed elevation point located on the top of the piezometer casing. All fluid-level measurements will be taken at least two times to check the reproducibility of the measurement data. If it is found that the measurement cannot be reproduced, a second set of data will be collected. Fluid levels will be collected until the data can be reproduced. This measurement validation process ensures the accuracy of the fluid-level data.

Equipment used to measure the fluid level will be properly decontaminated before first use and between use at each well using the procedures described in Section 3.12.

3.2.6 Direct Push Boring Abandonment

Direct push soil borings installed at the site will be abandoned by allowing the saturated portion of the formation (i.e., unconsolidated sands and gravel) to collapse back into the 2-inch diameter borehole as the Geoprobe® rods are retracted. The upper 10 ft of the borehole will be plugged with granular bentonite and hydrated with potable water to make an impermeable seal.

3.2.7 Temporary Piezometer Abandonment

After the well casing and screen materials from the temporary piezometers have been pulled out of the ground, the borehole will either be filled with granular bentonite or a high solids bentonite-cement slurry mix to within at least three feet of ground surface. If bentonite is used, it will be hydrated with potable water, and the remainder of the borehole will be filled with native soil or clay.

3.3 Drilling Techniques

All soil borings and monitoring wells will be drilled and installed by a Georgia licensed water well driller.

3.3.1 Hollow-Stem Auger Techniques in Soil

Dependent on subsurface soil conditions at the Sites, shallow soil borings may be drilled using hollow-stem auger techniques (ASTM 1452). Soil samples can be collected continuously (if so scoped in a site-specific work plan) using a continuous sampler, or split-spoon sampler (ASTM 1586 and 1587) depending upon percent recovery realized using the continuous core sampler. The following steps outline the

procedures that will be used to drill a shallow borehole for geotechnical or analytical purposes and for the installation of a monitoring well.

1. Record borehole location on the Location Sketch form and intended sample depth intervals on a Boring/Well Construction Log (Appendix B).

2. Clean and assemble the continuous sampler. The continuous core sampler (5 ft in length by 6 inches outside diameter (O.D.) is advanced in the borehole ahead of the augers (8-inch O.D.) and retrieved through the hollow-stem portion of the augers after each 5 ft drilled.

3. Disassemble the core barrel, revealing the soil core sample. Screen the soil samples with a PID/FID and describe in the field using the logging method described in Section 3.1.

4. Collect discrete samples from the core sample based on field screening data (prior to logging) and place in laboratory-prepared glass jars for analytical purposes. The preservation and handling of the samples is discussed in Section 3.4.3.

5. If continuous core sampling is not possible due to the character of the subsurface material encountered, collect samples every 5 ft using a standard split-spoon sampler (2 ft by 2 inch O.D.). Attach the split spoon to the drill rods, insert within the hollow-stem auger, and drive into the unconsolidated deposits using a standard 140-pound drop hammer and rig-driven cathead. Record blow counts for each 6-inch penetration of the split spoon. Drive each split spoon a total of 24 inches.

6. Collect all soil cuttings generated during the drilling of the boreholes and store temporarily on plastic or in a drum or roll-off box while awaiting characterization.

3.3.2 Mud Rotary Drilling

The mud-rotary system consists of a drilling fluid mixture of potable water and bentonite that is pumped down the inside of the drill pipe, and then returned to the surface through the annulus between the drill pipe and the borehole wall. This fluid cools the drill bit, carries the cuttings to the surface, prevents excessive fluid loss into the formation, and

prevents the formation from collapsing. The drilling fluid flows into a mud pit where the cuttings settle out and then is pumped back down the drill rods.

The following steps outline the procedures that will be used for mud rotary drilling.

1. Record borehole location and intended sample depth intervals (if appropriate) on the Boring/Well Construction Log (Appendix B).

2. Drill the deep boreholes from the surface to 1 to 2 ft into the bedrock using a mud rotary drilling rig equipped with a six-inch bit and stabilizer. No formation sampling will be conducted in the deep boreholes.

3. Record any significant or sudden fluid loss or production and soil cutting observations from drilling mud on the Boring/Well Construction Log (Appendix B).

4. Terminate the borehole within the upper 1 to 2 ft of the bedrock surface, which will be determined by the detection of the bedrock fragments in the return mud.

5. Collect all drill cuttings generated during the deep borehole drilling and temporarily stage in either 55-gallon steel drums or a roll-off box while awaiting chemical characterization as discussed in Section 3.13.

3.3.3 Rotasonic Drilling Methodology

Monitoring wells and the soil borings (other than those drilled using direct push methods) will have the option to also be drilled using rotasonic drilling methods. The rotasonic drilling method uses a combination of rotary power, hydraulic pull down pressure, and mechanically generated oscillations to advance a dual line of drill pipe. The top mounted hydraulically powered drill head transmits the rotary power, hydraulic down pressure, and vibratory power directly to the dual line of pipe. The inner drill pipe, measuring from 3-inch to 9-inch I.D., contains a core bit and represents the core barrel sampler. The outer pipe, measuring 4 inches to 12 inches, is used to prevent the collapse of the borehole and is therefore used in the construction of monitoring wells from 1 inch to 8 inches in diameter. This combination of forces advances the inner core barrel sampler through typically difficult unconsolidated deposits and some consolidated formations without the use of mud or air.

Water is not necessary during drilling but may be used in small quantities to help lubricate the drill pipe as it is advanced. Drilling rates are equal to or greater than other conventional rotary methods when they include some method of continuous sampling. The inner drill pipe is always advanced in front of the outer drill pipe. Continuous core samples of 1 foot to 20 ft can be completed depending on job specifications and site conditions.

During typical borehole advancement, the first step is to advance the inner drill pipe and core bit about 6 ft or 10 ft into the ground. Once the inner drill pipe is set, the outer drill pipe is advanced down over the inner drill pipe to hold the boring open. The inner drill pipe is mechanically lifted by the drill head to the surface for core sample recovery. The core sample is vibrated out of the inner drill pipe into a plastic sheath or a stainless steel sample tray. The core sample also can be collected in a split stainless steel or a lexan core barrel liner. The inner drill pipe is then advanced to the top of the next sample interval. These steps are repeated until the desired total depth is reached. Installation of a well would be performed inside the outer drill pipe, which would be removed as the well materials are installed. This will keep the borehole walls from collapsing and ensure that a good sand pack is installed. Monitoring well construction details are discussed in Section 3.5.

All drilling and sampling equipment will be decontaminated according to the procedures outlined in Section 3.12 of this report between each borehole location.

3.4 Collection of Samples for Geotechnical and Chemical Analyses

The procedures for the collection of soil samples during hollow stem auger drilling for geotechnical and chemical analyses are described below.

3.4.1 Geotechnical Samples in Soil and Unconsolidated Deposits

1. Record the soil sample location, depth, date and time of collection, sample identification, name of sampling personnel, and type of drilling and sampling equipment on the Boring/Well Construction Log (Appendix B).

2. Clean and assemble the continuous or split-spoon sampler. The sampler will be fitted with 6-inch long California (brass) rings or equivalent sampler liners, so that soil samples can be retrieved with minimum disturbance for geotechnical analyses.

3. Lower the sampler through the drill stem to the desired sampling depth. If using a split-spoon sampler, drive the sampler with a standard 140-pound hammer free-falling 30 inches in accordance with ASTM Method D1586. Record the number of blows per foot required to drive the split spoon.

4. After the continuous core barrel or split-spoon sampler is retrieved and opened, mark with indelible ink the depths of the sample at the top and bottom of each brass ring. Don a clean pair of disposable gloves immediately prior to sample collection. Using a stainless steel spatula or knife, cut the soil sample between the brass rings. Using plastic caps, cap each end of each ring. Label each ring with the appropriate sample designation.

5. The geotechnical samples do not have to be placed on ice or chilled.

6. Submit to geotechnical laboratory using COC procedures (Section 4.3).

7. From the remaining soil core, conduct field screening and describe soil sample lithology using procedures outlined in Section 3.1.

8. Alternate methodologies that may be used to obtain geotechnical samples, such as the use of a Shelby tube, will be described in the Site-Specific Work Plan for each Site.

3.4.2 Geotechnical Samples in Sediment

The procedures for the collection of geotechnical samples from shallow and deep sediments are outlined below.

1. If standing water is located over the sampling location and a deep sediment sample is to be collected, then the upper sediment and surface water should be removed prior to sample collection. Drive a minimum 4-inch O.D. schedule 40 PVC blank casing into sediment sampling location. Place a wooden board on top of PVC casing while driving casing into sediment to prevent breaking the casing. Use peristaltic pump to remove surface water from casing.

2. If collecting the geotechnical sample at 1.5 to 2.0 ft bgs, remove overburden with a decontaminated stainless steel bucket auger to a depth just above top of sampling depth (i.e., 1.5 ft bgs).

3. Drive a decontaminated 1 to 2-inch diameter stainless steel soil sampler lined with a plastic or acetate liner to depth required. A disposable acetate or thin walled stainless steel soil probe may also be used.

4. If a gravelly substrate is encountered, a decontaminated bucket auger may be used to collect the sample from 1.5 to 2.0 ft bgs.

5. Cap the liner and retract the sampler. The sample core may not remain in the sampler or tube if the top is not capped.

6. Cap the bottom of the sample. If a liner is used, remove the liner from the sampler, then cap the bottom of the sample.

7. If freestanding water was also captured in the sampling tube or liner, remove the top cap and gently pour off the water without disturbing the sediment sample.

8. Don a clean pair of disposable gloves immediately prior to sample collection. If using a bucket auger to collect the geotechnical sample, remove sample from bucket and pack into laboratory container.

9. Document the sample on a Soil/Sediment Sample Log (Appendix B).

10. The geotechnical samples do not have to be placed on ice or chilled.

11. Submit to geotechnical laboratory using COC procedures (Section 4.3).

3.4.3 Samples for Chemical Analyses

The procedures for collection of samples for chemical analyses are outlined below.

1. Record the soil sample location, depth, date and time of collection, sample identification, name of sampling personnel, and type of drilling and sampling equipment on the Boring/Well Construction Log (Appendix B).

2. Clean and assemble the continuous core barrel or split-spoon sampler.

3. Lower the sampler through the drill stem to the desired sampling depth. If using a split-spoon sampler, drive the sampler with a standard 140-pound

hammer free-falling 30 inches in accordance with ASTM Method D1586. Record the number of blows per foot required to drive the split spoon sampler.

4. After the continuous core barrel or split-spoon sampler is retrieved and opened, collect soil samples for chemical analysis. Don a clean pair of disposable gloves immediately prior to sample collection. Collect VOC samples directly from the core barrel or spit spoon sampler using an EnCore™ sampler or equivalent (Terra Core) to minimize sample disturbance. Place the remaining soil sample volume into a stainless steel bowl. Mix the soil using a stainless steel spoon until the sample is visually uniform. Remove any debris or larger rocks from the soil during the mixing process using the spoon. Place the remaining soil samples into their appropriate containers. If the sample material is of size or consistency that an EnCore sampler cannot be used, place the material in a glass 4-ounce container. Immediately store the containers in a cooler on ice at 4º C. Complete the sample label for soil samples selected for analyses.

5. Document the sample on a Soil/Sediment Sample Log.

3.5 Monitoring Well Construction

3.5.1 Shallow and Intermediate Well Construction

The shallow and intermediate wells will be installed in boreholes drilled using hollow-stem auger techniques. Monitoring well construction details will be documented on the appropriate Well Construction Log (Appendix B). No water will be introduced during monitoring well construction unless the borehole conditions require stabilization. If required, the water will be obtained from the Fort Stewart or Hunter Army Airfield potable water system.

1. The screened interval for all monitoring wells is anticipated to be 5- to 10 foot-sections of factory-milled 10-slot, 2-inch O.D., schedule 40 PVC screen, placed in the bottom of each well. The well screen attached to threaded, flush joint, 2-inch O.D., schedule 40 PVC casing will be inserted in the borehole through the minimum 6.25-inch O.D. hollow-stem auger.

2. The screened interval of the monitoring wells will be specified in the Site-Specific Work Plan for each Site.

3. PVC casing will be threaded to the screen and brought to a height of 3 ft above ground level for completion.

4. The annular space between the well and the borehole wall will be backfilled with a clean, graded, size 20 to 40 silica sand pack that will extend from the bottom of the borehole to a minimum of 2 ft above the top of the screened interval. The sand pack will be placed by tremie pipe from the bottom of the borehole through the hollow-stem augers to ensure complete placement around the well screen. The hollow stem auger will be retrieved as the sand pack is emplaced and can typically serve as the tremie pipe for filter pack placement.

5. Approximately 1 ft of very fine sand grade size 50 or smaller may be emplaced above the filter pack to prevent the migration of the bentonite slurry into the well screen.

6. A minimum thickness of 3 ft of bentonite pellets or chips will be placed on top of the filter pack as a seal. If the seal is within the unsaturated zone at the time of installation, granular bentonite will be placed in one-foot lifts, saturated with potable water, and allowed to hydrate. Hydration time will conform to the manufacturer's recommendations before further work on the well is performed.

7. The annular space from the top of the bentonite seal to within 1 foot beneath the frost line (approximately 30 to 36 inches bgs) will be filled with a cement and bentonite slurry containing high solids mixed to the manufacturer's specifications. Alternatively, cement/bentonite slurry consisting of 8 gallons water and 5 percent bentonite by weight per bag of Portland cement will be used, with a target density of 14 to 15 pounds per gallon. The bentonite slurry will be placed with a tremie pipe from the bottom of the annular area to be grouted to ensure proper placement of the slurry.

8. The remaining annular space near land surface will be filled with concrete. All wells will be completed above grade using a protective steel cover. A concrete apron will be installed around the cover. The apron will be a minimum of 2 ft by 2 ft and 6 inches in thickness, and shall be sloped to promote drainage away from the well. The wells will also be equipped with locking caps.

9. At selected locations, steel guard posts or protective barriers will be installed around the wells in a manner designed to prevent vehicles from accidentally damaging the well.

3.5.2 Pre-pack Screen Monitoring Well Construction

For shallow to intermediate monitoring wells where heaving (flowing) sands are expected to be encountered, an alternative method of monitoring well construction would include the use of pre-packed screens during well construction. Figure 3-1 shows the well schematic for the prepacked screens. The construction of these wells would follow the same steps detailed in Section 3.5.1 with the following exceptions.

1. The screened portion of the monitoring well will consist of 5- to 10-foot sections of pre-packed screen. In the case of 2-inch diameter well, the screen will have a 2.0-inch I.D. and a 3.63-inch O.D. Previous site investigations have shown that the 12-slot screen with a 10 by 20 sand pack will be more than adequate for construction of the monitoring well.

2. Formation material will be allowed to collapse around the screen upon removal of the augers to a point 2 ft above the screened interval.

3.5.3 Monitoring Well Construction Beneath a Confining or Semi-Confining Layer

Installation of monitoring wells beneath a confining or semi-confining layer is outlined in the procedures below. Monitoring well construction details will be documented on the appropriate Well Construction Log.

1. An 8-inch PVC casing will be set 1 foot into the top of the confining unit. The casing will then be grouted around the annulus of the casing to the land surface to seal off the casing from the aquifer. The grout will be allowed to set for a period of time in accordance with the manufacturer's specifications to ensure a proper seal is set.

2. Inside of the casing the bore hole will be completed through the confining layer to the aquifer below to the target depth.

3. Inside of the 8-inch casing, the well will be constructed with 2-inch threaded flush joint, Schedule 40 PVC casing and 2-inch threaded flush joint, Schedule 40 PVC, 0.010-inch continuously mill-slotted screen. Schedule 80 well material

will be used for monitoring wells deeper than 100 ft. Pipe joint compound (glue) will not be used in constructing the monitoring wells. If the depth of the well is to be greater than 50 ft, centralizers above the screened interval may be used to aid in well construction.

4. Casing will be added to the well screen and brought from the top of the screened interval to a height of 3 ft above ground level for completion.

5. The annular space between the well and the borehole wall will be backfilled with a clean, graded, size 20 to 40 silica (or alternative gradation based on site-specific data) sand pack that will extend from the bottom of the borehole to a minimum of 2 ft above the top of the screened interval. The sand pack will be placed by tremie pipe from the bottom of the borehole through the hollow-stem augers to ensure complete placement around the well screen.

6. Approximately 1 ft of very fine sand may be emplaced above the filter pack to prevent the migration of the bentonite slurry into the well screen.

7. A minimum thickness of 3 ft of bentonite pellets or chips will be placed on top of the filter pack as a seal. If the seal is within the unsaturated zone at the time of installation, the bentonite will be saturated with potable water and allowed to hydrate. Hydration time will conform to the manufacturer's recommendations before further work on the well is performed.

8. The annular space from the top of the bentonite seal to within 1 foot beneath the frost line will be filled with a cement and bentonite slurry containing high solids mixed to the manufacturer's specifications. The bentonite slurry will be placed with a tremie pipe from the bottom of the annular area to be grouted to ensure proper placement of the slurry.

9. The remaining annular space near land surface will be filled with concrete. All wells will be completed above grade using a protective steel cover. A concrete apron will be installed around the cover. The apron will be a minimum of 2 ft by 2 ft and 6 inches in thickness, and shall be sloped to promote drainage away from the well. The wells will also be equipped with locking caps.

10. At selected locations, steel guard posts or protective barriers will be installed around the well in a manner designed to prevent vehicles from accidentally damaging the well.

3.5.4 Borehole and Well Abandonment

A Georgia licensed water well driller will abandon all boreholes not used for monitoring well installation, temporary wells, or permanent wells in accordance with the OCGA Georgia Well Standards 12-5-134 (State of Georgia, 2008).

3.5.5 Temporary Well Abandonment

Temporary wells will be abandoned by the following procedures.

1. The monitoring well riser pipe and well screen will be removed from each borehole. The riser pipe and screen will be decontaminated by steam cleaning at the designated decontamination area and will be discarded in a sanitary waste landfill.

2. The entire borehole will be grouted with a cement and bentonite slurry containing high solids mixed to the manufacturer's specifications. The bentonite slurry will be placed with a tremie pipe from the bottom of the annular area to be grouted to ensure proper placement of the slurry.

3. The abandoned borehole will be marked with a flag or stake.

3.5.6 Soil Boring Abandonment

The procedures for abandoning boreholes are as follows:

1. The entire borehole will be grouted with a cement and bentonite slurry containing high solids mixed to the manufacturer's specifications. The bentonite slurry will be placed with a tremie pipe from the bottom of the annular area to be grouted to ensure proper placement of the slurry.

2. The abandoned borehole will be marked with a flag or stake to allow for surveying.

3.6 Groundwater Level Measurements and Sampling

3.6.1 Groundwater Level Measurements

Water level measurements will be referenced to a surveyed elevation point located on the top of the well casing. This measurement point will be surveyed by a Certified Land Surveyor and referenced to ft above mean sea level (amsl). An electronic water level probe will be used to gauge the water level in the new wells, in addition to the existing monitoring wells and piezometers at the facility.

Water levels will be recorded in the new monitoring wells, existing monitoring wells and piezometers within 24 hours prior to each groundwater sampling event. The total well depth may also be measured at this time to determine if sediment has accumulated in the well thereby reducing the effective well depth. Water level measurements at each Site will begin with the upgradient wells (i.e., inferred least contaminated wells) and proceed to the downgradient wells (i.e., inferred most contaminated wells). Water-level measurements will be collected within a single 24-hour period and will be measured twice to check the reproducibility of the measurement data. This measurement validation helps ensure accuracy with regard to the water level data collection. The procedure for obtaining water level measurements is as follows:

1. Describe the area surrounding the well, whether or not the lock was secure (if applicable), if the well could have been impacted by surface water runoff, ambient weather conditions and other factors that could affect the final data analysis. This documentation is recorded on a Water Level Measurement Form) Appendix B).

2. Decontaminate the electronic water probe prior to initiating water level measurements and between all wells and piezometers. Decontamination procedures are described in Section 3.12.

3. Unlock the protective casing and remove the inner cap on the riser.

4. Check the probe to verify that it is operational, then lower down the monitoring well.

5. If the well is not vented, allow the water level to equilibrate for a few minutes prior to collecting the first measurement. Take fluid level measurements from a

fixed reference point (the north side of the top of the PVC riser) using an electric tape graduated in 0.01-foot intervals.

6. Repeat the measurements until two measurements are obtained that are within 0.01 ft.

7. Remove and decontaminate the probe, replace the inner cap, and lock the protective casing.

3.6.2 Low-Flow Groundwater Purging and Sample Collection

The following protocol has been developed to obtain groundwater samples that are representative of formation conditions and is intended for use in sampling monitoring wells during the field activities. New monitoring wells will not be sampled for at least 24 hours following non-stressful means of well development (e.g., purging with submersible pump or bailer) and 48 hours following stressful means of well development (e.g., air lift, surge and purge). Monitoring wells will be purged prior to collecting groundwater samples to ensure that representative formation water is being sampled. The monitoring wells will be purged and sampled in the same order as that for water-level measurements (upgradient to downgradient, or least contaminated to most contaminated where known based upon prior sampling results). Prior to introduction into the well, all non-dedicated equipment and materials will be decontaminated in accordance with the procedures outlined in Section 3.12.

The following procedures will be implemented when performing well purging prior to sample collection:

1. Put on clean latex or vinyl surgical gloves or nitrile gloves.

2. Unlock the metal protective casing, remove the well cap, and document the general condition of the well.

3. Determine static fluid-level elevation using electronic probe. Record on Groundwater Sampling Form (Appendix B).

4. Compute the volume of water in the well (0.162 gallon/foot for a 2-inch diameter well). The volume of water to be purged will be computed based on the total well depth recorded upon the completion of well installation. The total depth will be measured periodically during the monitoring program to determine if

sediment has accumulated in the well thereby reducing the effective well volume. If it is determined that sediment has accumulated in the well, then the new well depth will be used to compute the volume of water to be purged.

5. Insert the pre-cleaned bladder (or peristaltic) pump and tubing into the well to the midpoint of the well screen. Record installation time in field notes. Dedicated Teflon and/or PVC bailers may be used to facilitate sample collection where site conditions warrant, such as low recovery wells.

6. Start pump at the lowest possible flow rate and adjust the pumping rate to approximately 100 milliliters per minute (mL/min). Record pump start time in field notes. Verify the flow rate with the graduated cylinder or equivalent by collecting the water from the discharge line for one minute. Record results in field notes. Based on the recovery rate of the well, the pump may need to be raised or lowered to adequately purge the entire well column. Adjustments will be recorded in the field notes.

7. Monitor water level to verify that little or no drawdown (0 to 0.3 ft) is occurring in the well. If desired, the flow rate may be increased to up to 300 mL/min in more permeable formations as long as little or no drawdown is observed in the well. Record measurements and flow rates in field notes.

8. Obtain field parameter measurements (temperature, specific conductance, pH, dissolved oxygen, oxidation-reduction potential [ORP], and turbidity) every 5 minutes and record on the Groundwater Sample Log. Purge until the criteria listed below have been met (unless low well recovery precludes this):

    - The field parameters stabilize to within +/- 10 percent of three consecutive meter readings taken at least 5 minutes apart.

    - The measured turbidity is less than 10 nephelometric turbidity units (NTUs), unless low recovery precludes this.

9. Collect VOC samples for laboratory analysis (if required) at a low flow rate (100 mL/min) directly into the appropriate sample container. If a peristaltic pump is used, the downhole tubing will be filled using suction and removed from the well to prevent the sample from contacting the pump head. The pump speed is reduced and the direction reversed to push the sample out of the tubing and into the sample containers. Ensure that no air bubbles are present in the vial.

Secure sample container lid and store sample containers in chilled cooler after filling out the sample label.

10. Collect additional samples for non-VOC analysis (collecting in the order of explosives, metals, and indicator parameters). If samples are being collected usig a persitaltic pump following VOC sample collection, repeat steps 1 through 8. Collect non-VOC samples at low flow rate (100 mL/min). Flow rates of up to 500 mL/min can be used if all stabilization criteria are achieved. Unless specified in the site-specific work plan, metals samples will be collected unfiltered. If site conditions require filtration for metals analysis, an in-line 45 micron filter will be used. Secure sample container lids and store sample containers in chilled cooler.

11. Complete sampling documentation on the Groundwater Sampling Form, record the collection date and time on the sample key, and fill out the Well Sampling Summary form (Appendix B).

12. If inadequate water is present in the well to fill the required sample containers, return periodically within 24 hours until adequate sample volume is obtained and field parameters measured. Collect groundwater for individual analyses in the appropriate sample order. If required, collect VOCs and store first, then metals and other indicator parameters.

13. If drawdown in the well cannot be maintained within the 0.3-foot requirement, sample collection will be performed after three well volumes of groundwater have been purged. Begin sample collection with VOC analysis unless otherwise noted in the site-specific work plan. For wells that purge dry before all of the samples are collected, allow the well to recover and then make one more attempt to collect the remaining samples within a 24-hour period.

14. Turn off pump. Remove portable pump from well and decontaminate or dispose. Tubing will be left as dedicated tubing in the well or disposed of after use.

15. Determine the total depth of the well. Compare the measurement of the total depth of the well with previous measurements and well construction log to determine available screen length. Record on water sampling log. If more than 20 percent of a well screen is occluded by sediment, the well must be redeveloped prior to collecting future groundwater quality samples. Samples

collected prior to the total well depth measurement will be representative only if the field data indicate that the well met stabilization criteria prior to sampling.

16. Replace cap on well and protective casing lock well.

3.6.3 Slug Test

This procedure defines the requirements for conducting a slug test in a monitoring well. The purpose of this procedure is to provide a uniform basis for conducting slug tests and to ensure the continuity between field personnel. A water level indicator will be used to measure the change in water levels versus time during the slug test. However, for slug tests completed in wells screened in very permeable formations, a transducer and data logger may be used to measure and record water level changes over time.

1. Open the locking and vented caps and inspect the wellhead. Note in particular the condition of the surveyed reference mark, if any.

2. Measure and record the static water level and the depth to the bottom of the well. Record this data on the Water Level/Pumping Test Record (Appendix B).

3. Lower the slug into the water until it is fully submerged. Allow the well to equilibrate to static water level.

4. Verify the static water level has been reestablished with an electronic water-level indicator.

5. Withdraw the slug quickly, but avoid surging. Record the time of withdrawal to the second. Start the stopwatch, if used, at the instant the slug is withdrawn.

6. Using an electronic water level indicator, measure and record the initial displacement of water as soon as the slug has been withdrawn.

7. Measure and record the rise in water level vs. time. Using the water-level indicator and a stopwatch, record depth-time data at the fastest rate possible for the first 5 minutes of well recovery. Generally the water levels should be recorded every 30 seconds for the first 5 minutes, then every minute for the next 5 minutes. Subsequent recording intervals may be adjusted to suit the rate of well recovery. An electronic data logger and pressure transducer may be used in lieu of manual water level measurements.

8. Continue recording depth-time data until the well has recovered to nearly the static water level or at least 90 percent of the static water level. If 90 percent of the static water level has not been achieved within 2 hours, then field personnel may return periodically within the next 24 hours to record the water level.

9. Record the time of test completion in the field data forms.

10. Decontaminate all equipment according to the procedures outlined in Section 3.12. Close and lock the well before leaving.

3.6.4 Constant Rate Pump Test

1. Upon arriving at the site, collect a round of static water levels from all site monitoring wells. Record this data on the Water Level/Pumping Test Record (Appendix B).

2. Place the pump in the pumping well and connect to the electrical service. The pump discharge will be connected to 1) a control valve, 2) inline filter (optional), and 3) flow meter. Dependent on site conditions, treatment systems (i.e., flow-through vessels, carbon units) may be used prior to water storage or discharge.

3. Initiate a short step test beginning at 2 gallons per minute (gpm). The initial step test pumping rate may be altered depending on site specific conditions. The pumping rate will be increased in two subsequent steps (the amount of increase will be determined in the field based on the drawdown achieved at 2 gpm). Measure water levels in the pumping well and the three closest monitoring wells during the step test.

4. Based on the results of the step test, determine a pumping rate that will 1) achieve significant drawdown in the pumping well, and 2) will not result in dewatering the well during the pumping test.

5. Begin the pumping test after the water levels in the pumping well and observation wells have returned to static conditions.

6. Turn on the pump in the test well and operate at a constant rate during the remainder of the test.

7. Collect water levels at a logarithmic interval in the pumping well, monitoring wells within 100 ft of the pumping well, piezometers within 100 ft of the pumping well, and at least one background well. Collect the water levels using a handheld electronic water level indicator or through the use of pressure transducers.

8. After the test has been conducted for a period of 24 hours, evaluate the pump test data to determine if continuation of the pump test is justified. If so, continue the test for a total of 48 hours, or until the data indicate that asymptotic conditions were achieved.

9. When the determination has been made to stop the pumping test, initiate the recovery portion of the test.

10. After the pump has been shut off, measure water levels at a logarithmic interval in the pumping well, monitoring wells within 100 ft of the pumping well, piezometers within 100 ft of the pumping well, and the selected background well. Continue measurements until the water level in the pumping well has recovered at least 90 percent.

3.6.5 LNAPL Bail Down Test

This procedure defines the requirements for conducting an LNAPL Bail Down Test in a monitoring well. The purpose of this procedure is to measure the thickness and depth to free product in the well as it recovers. The results of these tests are analyzed in accordance with techniques described in "How to Effectively Recover Free Product at Leaking Underground Storage Tank Sites," (EPA 510-R-96-001) to assist choice of potential free product recovery methods. The following steps will be used:

1. Measure the depth to LNAPL and groundwater.

2. Remove as much LNAPL from the well as possible using a weighted disposal bailer.

3. Measure the recovery rate of free product and groundwater using a hydrocarbon probe. Record the LNAPL thickness and recovery time in the well at regular intervals until the recovery rate has stabilized.

4. Determine 80 percent of the maximum LNAPL recovery thickness.

5. Interpolate the recovery time for 80 percent recovery.

6. Compute gallons per foot of LNAPL thickness in the well screen.

7. Compute the average recovery rate in gallons per day to 80 percent recovery.

3.7 Test Pit Excavations

The following procedures may be used to install test trenches, if deemed necessary to characterize waste materials.

1. Complete a trench to approximately 4 ft bgs with a track hoe or equivalent piece of excavation equipment.

2. Describe the profile of waste based on visual observations of the material removed from the trench and record on a Boring/Well Construction Log (Appendix B).

3. Backfill the trench with waste material after the trench has been completed.

4. Cover the trench with compacted soil.

5. Mark the trench area with a stake for surveying purposes.

3.8 Sediment Sampling

The following procedures will be used to collect sediment samples during the field activities at the Fort Stewart and Hunter Army Airfield.

3.8.1 Shallow Ditch Sediment Sampling

1. Sediment samples will be collected with a decontaminated stainless steel trowel or hand auger. Decontamination procedures are outlined in Section 3.12. A stainless steel hand auger or trowel will be used to collect sedimentsoils from the 0 to 0.5-foot (6-inch) interval.

2. The sediment sample will be placed directly into a stainless steel bowl. The sediment will be mixed using a stainless steel spoon until the sample is

visually uniform. During the mixing process any debris or larger rocks will be removed using the spoon.

3. The sample will be transferred from the bowl into a laboratory-prepared sampling containers supplied by the laboratory.

4. The sample will be documented on a Soil/Sediment Sample Log and the Soil Sample Summary Form.

Surficial soil samples will be collected from ditch areas that may be dry or have no freestanding water at the time of sampling. The following dry ditch sediment sampling procedures should be used only if the ditch is dry or has no freestanding water:

1. Prior to sample collection, any rocks, vegetation or debris will be removed with a stainless steel trowel.

2. Surficial soil samples will be collected with a decontaminated stainless steel trowel or hand auger. Decontamination procedures are outlined in Section 3.13. A stainless steel hand auger or trowel will be used to collect soils from the 0 to 0.5-foot (6-inch) interval.

3. The soil sample will be placed directly into a stainless steel bowl. The soil will be mixed using a stainless steel spoon until the sample is visually uniform. During the mixing process any debris or larger rocks will be removed using the spoon.

4. The sample will then be transferred from the container into the laboratory-prepared sampling containers supplied by the laboratory. The sampling activities will be documented on a Soil/Sediment Sample Log and the Soil Sample Summary Form.

5. Following sampling, the sample location will be filled in and any removed rocks or vegetation replaced.

3.8.2 Deep Ditch Sediment Sampling

1. Remove overburden with a decontaminated stainless steel bucket auger to just above the top of the prescribed sampling depth.

2. Drive a decontaminated 1 to 2-inch diameter stainless steel soil sampler lined with a plastic or acetate liner an additional 6 inches in depth. A disposable acetate or thin walled stainless steel soil probe may also be used.

3. Use a decontaminated bucket auger to collect the sample from 1.5 to 2.0 ft bgs if a gravelly substrate is encountered.

4. Cap the liner and retract the sampler. The sample core may not remain in the sampler or tube if the top is not capped.

5. Cap the bottom of the sample. If a liner is used, remove the liner from the sampler, then cap the bottom of the sample.

6. If freestanding water was also captured in the sampling tube or liner, remove the top cap and gently pour off the water without disturbing the sediment sample. Place the sediment sample directly into a stainless steel bowl. Mix the sediment using a stainless steel spoon until the sample is visually uniform. Remove any debris or larger rocks from the sediment during the mixing process using the spoon.

7. The sample will then be transferred from the container into the laboratory-prepared sampling containers supplied by the laboratory.

8. Document the sample on a Soil/Sediment Sample Log and the Soil Sample Summary Form.

Subsurface soil samples may be collected from ditch areas that may be dry or have no freestanding water at the time of sampling. The following dry ditch sediment sampling procedures described below should be used only if the ditch is dry or has no freestanding water:

1. Prior to sample collection, any rocks, vegetation or debris will be removed with a stainless steel trowel.

2. A decontaminated stainless steel hand auger will be used to collect soils from the prescribed depth interval. The collected soil sample will be placed directly into a stainless steel bowl. The soil will be mixed using a stainless steel spoon until the sample is visually uniform. During the mixing process any debris or larger rocks will be removed from the soil using the spoon.

3. The sample will then be transferred from the container into the laboratory-prepared sampling containers supplied by the laboratory. The sampling activities will be documented on a Soil/Sediment Sample Log and the Soil Sampling Summary Form.

4. Following sampling, the sample location will be filled in with surrounding sediment.

3.8.3 Shallow Stream Sediment Sampling

Stream sediment samples may be collected along predetermined transects upstream, adjacent to, and downstream of the area of interest in conjunction with surface water sampling for the characterization of the aquatic environment. Please note that the sediment samples may have to be collected by personnel outfitted with waders.

The sediment sampling procedures are described below and assume that all samples can be collected by personnel outfitted with waders that can access all sampling locations on a transect.

1. Position identification markers for the sediment and surface sampling locations along the stream bank prior to sampling. At each transect, mark and stake opposite banks of the stream to support a rope premarked at least at 10-foot intervals or measuring tape pulled taut across the stream slightly above water level. Each tape mark will become a station for a depth sounding of the river and a point for flow velocity measurements. For streams that are 10 ft in width or less, only one sampling station is required at the stream mid-point.

2. Measure the water velocity and flow using a current meter. Measure flow velocity at each station and at each 5-foot depth interval to the base of the stream. In every case, collect a flow measurement at the base and upper surface of the stream.

3. Briefly describe the substrate beneath each station as marked on the rope, such as silt, sand, gravel, and bedrock. In this manner, select the site for sediment sampling. Preferred sediment sample collection locations are areas of deposition, where fine-grained materials, such as clay, silt, or fine sand, collect. In addition, collect samples in pools, rather than riffles. The dredge sampler may not function properly if the substrate being sampled contains a large amount or large pieces of gravel.

4. Approach the sampling location from downstream to avoid disturbing the sediment prior to sampling.

5. Collect the sediment samples using an Ekman or Ponar dredge or equivalent. Gently advance the dredge approximately 6 inches into the sediment. The dredge closes with a messenger weight and the spring-loaded jaws shut to collect the sediment sample. A minimum of three aliquots will be collected at each sampling location.

6. Place the sediment samples directly into a clean stainless steel bowl. If VOC samples are to be collected, they should be taken directly from the sampling device using an EnCore™ sampler or equivalent (Terra Core). If the VOC samples cannot be collected from the sample device, they can be collected immediately after placement of the sediment in the stainless steel bowl. Following VOC sample collection, the remaining sediment will be mixed using a stainless steel spoon until the sample is visually uniform. During the mixing process any debris or larger rocks will be removed using the spoon.

7. Fill the appropriate laboratory jars for the non-VOC parameters specified in the Site-Specific Work Plan. Attach the lids and label appropriately. Complete the Soil Sample Summary Log (Appendix B).

8. With the remaining sediment sample, record the sediment characteristics, such as texture, odor, color, and other distinguishing factors on a Soil/Sediment Sample Log (Appendix B).

9. Remove the rope marking the transect, if not collecting deep sediment samples. Do not remove the stakes marking the transect. Survey the elevation of the stakes to a known elevation datum to provide a depth profile of the river.

3.9 Surface Water Sampling

Surface water samples may be collected along predetermined transects upstream, adjacent to, and downstream of the area of interest in conjunction with stream sediment sampling for the characterization of the aquatic environment. Please note that the surface water samples will have to be collected using a small boat or by personnel outfitted with waders. The optimum time to collect the surface water samples will be at a low stream flow so that personnel outfitted with waders can collect the samples.

Using a boat to collect the samples introduces special health and safety concerns and typically doubles the amount of time required to complete the task.

The surface water sampling procedures are described below and assume that all samples can be collected by personnel outfitted with waders that can access all sampling locations on a transect.

1. Follow steps 1 and 2 outlined in the stream sediment sampling procedure outlined in Sections 3.8.3.

2. At each transect, collect a surface water sample near the top of the water column with a clean Pyrex sampling cup or equivalent for field measurement of temperature, pH, specific conductance, and dissolved oxygen. An equivalent flow-through meter may also be used for each field parameter.

3. At locations that are deeper than 5 ft, collect the field measurements at each 5-foot depth interval using a Van Dorn or Kemmerer Type sampler.

4. Record the field measurements in a Surface Water Sample Log (Appendix B).

5. If the stream does not exhibit thermal or chemical stratification as determined by the field measurements (temperature and pH), collect a surface water sample with a clean Pyrex sampling cup or equivalent near the top of the water column. Immerse the Pyrex cup at an angle such that water gently flows in with minimal disturbance. Use the sample to fill laboratory-prepared sample bottles for analysis.

6. If the stream exhibits thermal or chemical stratification as determined by the field measurements (temperature and pH), then collect surface water samples every 5 ft using a Van Dorn or Kemmerer style water sampler.

7. Record the sampling location, date and time of collection, sample collection method, sample identification, sample preservative, methods of analysis, and initials of the sampling personnel on the Surface Water Sample Log (Appendix B).

8. Decontaminate the sampling equipment as described in Section 3.12.

3.10 Field Analytical Measurements

Several instruments may be used to collect field analytical data. These instruments include a pH meter, specific conductance meter, a thermometer, dissolved oxygen meter, and turbidity meter (nephelometer). The following equipment (including model number and manufacturer) will be used:

- pH meter (model SA-230) manufactured by Orion Research, Inc. or equivalent;
- Specific conductivity meter (model 0148-40) manufactured by Cole-Palmer Instrument Company or equivalent;
- Digital thermometer that meets the National Bureau of Standards requirements;
- Dissolved oxygen meter (model 810) manufactured by Orion Research, Inc. or equivalent; and
- Turbidity meter (model 800) manufactured by Engineered Systems or equivalent.

Field instruments will be calibrated at least once a day, and more often if conditions warrant. Calibration procedures will follow manufacturer's specifications and will be documented by field personnel on the Field Instrument Calibration Log (Appendix B).

3.11 Quality Control Samples

To monitor sampling and laboratory performance it may be necessary to collect several types of field QA/QC samples. The field QA/QC samples include trip blanks, equipment rinsate blanks, and field duplicates. The specific number and type of QA/QC samples that will be collected at each Site are outlined in the Site-Specific Work Plans and may be more or less than the criteria stated below based upon data quality objectives and professional judgment.

A trip blank is a container filled with distilled and organic-free water prepared in, and provided by, the analytical laboratory. A trip blank is sent from the analytical laboratory to the field-sampling site, and is returned to the laboratory for analysis. The trip blank results are used to evaluate whether contamination by VOCs occurred during shipment of samples and/or during container transport. One trip blank is required in each sample cooler transporting samples for VOC analysis.

An equipment rinsate blank is a sample of organic free water (for VOC analyses) poured into, or over, or pumped through the sampling device, collected in the sample bottle, and transported to the laboratory for analysis. Equipment rinsate blanks are used to assess the effectiveness of equipment decontamination procedures.

Equipment rinsate blanks are collected immediately after the equipment has been decontaminated. Equipment rinsate blanks are collected by gently pouring distilled or deionized water over selected clean non-dedicated equipment and collected for laboratory analysis. For example, the equipment rinsate blank for soil and sediment sampling programs will be collected by gently pouring distilled or deionized water over clean core barrels or soil core samplers. The equipment rinsate blank for surface water and groundwater sampling programs will be collected by gently pouring distilled or deionized water over clean non-dedicated bailers or sampling cups. Equipment rinsate blanks will be collected at a frequency of 5 percent of the field samples at critical points in the sampling program, such as the sampling of a background well or the end of the sampling program.

The frequency requirements for collecting equipment rinsate blanks are a minimum of five percent of the environmental samples. The blank shall be analyzed for all laboratory analyses requested for the environmental samples collected at the Site. When an analyte is detected in the equipment rinsate blank the appropriate validation flag, as described in the data validation section, shall be applied to all sample results from samples collected. It should be noted that the laboratory will supply the organic free water. A sample aliquot of the organic free water will be submitted for the analysis of all parameters of interest.

A field duplicate sample is a second sample collected at the same location as the original sample. Duplicate samples are collected simultaneously or in immediate succession, using identical recovery techniques, and treated in an identical manner during storage, transportation, and analysis. The sample containers are assigned an identification number in the field such that they cannot be identified (blind duplicate) as duplicate samples by laboratory personnel performing the analysis. Specific locations are designated for collection of field duplicate samples prior to the beginning of sample collection. A field duplicate will be collected at a rate of one per twenty samples or one per sampling event, if less than twenty samples.

Field duplicate sample results are used to assess precision, including variability associated with both the laboratory analysis and the sample collection process. Field duplicates will be collected at a frequency of 5 percent of samples collected. Analytical

results for field duplicate will be assessed during the data validation process. Specific locations will be designated for collection of field duplicate samples prior to the beginning of sample collection. Control limits for evaluation of precision for field duplicates will be 40 percent for aqueous samples and 70 percent for soil/sediment samples.

Laboratory quality assurance protocols including the performance of laboratory control samples and matrix spikes relating to method acceptance criteria are included in Section 2.7 of the Site-Wide QAPP (Appendix A). The QAPP also defines the data qualification guidelines for evaluating potential matrix interferences identified during matrix spike analyses. The parent and field duplicate sample will be included in all reporting.

3.12 Field Equipment Decontamination

The cleaning procedures outlined in this section will be used by all personnel to clean sampling and other field equipment to prevent cross-contamination during separate phases of the investigation. Documentation regarding decontamination will be recorded on the Daily Log (Appendix B). Specific cleaning procedures are presented in the following section.

A decontamination area will be established where steam cleaning of the drilling and well construction equipment and materials can occur and containment and proper disposal of wash water is possible. An impervious decontamination area will be utilized and the water used to clean the equipment will be containerized for offsite disposal.

3.12.1 Cleaning Materials

The laboratory detergent used to wash the equipment will be a standard brand of phosphate-free laboratory-grade detergent such as Micro or Liquinox. The use of any other detergent must be justified and documented in the field logbooks and inspection or investigative reports.

Potable water is defined as tap water fit for human consumption from a known source. Deionized water is defined as tap water that has been treated by passing through a standard deionizing resin column. The deionized water should contain no metals or other inorganic compounds (i.e., at or above analytical detection limits). The brushes used to clean equipment as outlined in the following sections, will be stiff plastic bristled and will not be wire-wrapped.

3.12.2 Marking and Segregation of Used Field Equipment

Field or sampling equipment that needs to be repaired shall be identified with a tag indicating date repair requested, problem if known, personnel requesting repair, and if the equipment has been decontaminated. Field equipment needing cleaning or repairs will not be stored with clean equipment or sample containers. Field equipment and/or disposable sample containers that are not used during the course of an investigation may not be placed in storage without being recleaned unless it is the opinion of the field investigator that the materials have not become contaminated during the course of the field investigation. However, equipment and sample containers must be labeled as such.

3.12.3 Safety Procedures to be Utilized During Cleaning Operations

The materials used to implement the cleaning procedures outlined in this section can be dangerous if improperly handled. Caution must be exercised by all personnel, and all applicable safety procedures shall be followed. At a minimum, the following precautions will be taken in the field during these cleaning operations:

- Safety glasses with side shields or goggles, and latex or vinyl surgical gloves or nitrile rubber gloves will be worn during all cleaning operations;
- All rinsing operations will be conducted in the open (never in a closed room); and
- No eating, smoking, drinking, chewing, or any hand-to-mouth contact shall be permitted during cleaning operations.

3.12.4 Storage of Field Equipment and Sample Containers

Decontaminated field and sampling equipment will be stored in covered containers or wrapped in aluminum foil to minimize contamination. All decontaminated equipment, when not in use, will be kept in a designated storage area. Sampling equipment and sample containers will not be stored or transported with any gasoline, diesel, or other fuel containers or gasoline or diesel fuel powered equipment. Decontaminated equipment shall be clearly identified by labeling the wrapping material. Field equipment and reusable sampling containers requiring cleaning or repairs shall not be stored with clean equipment. Instead, equipment requiring repairs will be clearly identified and the repairs documented on the daily field log. Field equipment that requires cleaning

will be segregated from clean equipment and will be stored on plastic sheeting pending cleaning.

3.12.5 Cleaning Procedures

3.12.5.1 Drilling and Direct Push Equipment

All drilling and direct push equipment used during completion of soil borings or installation of the monitoring wells will be steam-cleaned prior to initiating drilling or direct push activities. This will include, but is not limited to, the drill stem, augers, drill bits, direct push rods, core barrels, and tools utilized by the contractor.

The drill rig or direct push rig utilized for the installation of the borings and wells will be decontaminated at the decontamination area prior to the initiation of the drilling or direct push activities. The drill rig or direct push rig itself will not be decontaminated between soil boring or monitoring well locations. Augers and other drilling, direct push, or sampling equipment will be returned to the decontamination area to be cleaned after each use. Cleaning of equipment will be performed using a high-pressure steam cleaner to prevent cross-contamination of the soil borings and monitoring wells. Potable water for steam cleaning will be obtained from the installation water supply system.

Tools and equipment used to measure the depth of well completion materials and water levels (i.e., measuring tapes, electric/electronic probes, tampers, tremie pipes) also will be decontaminated by steam cleaning between well locations to avoid cross-contamination. All equipment and tools will be isolated from contact with the ground by placing them onto sheets of polyethylene plastic.

3.12.5.2 Teflon™, Stainless Steel, or Glass Field Sampling Equipment

When Teflon™, stainless steel, or glass sampling equipment is used to collect samples that contain hard to remove materials, it may be necessary to steam clean the field equipment before proceeding with Step 1. If the field equipment cannot be cleaned utilizing these procedures, it should be discarded.

1. Wash equipment thoroughly with laboratory detergent and tap water using a plastic brush to remove any particulate matter or surface film.

2. Teflon™, stainless steel, or glass sampling equipment will be rinsed thoroughly with potable water from an approved onsite source.

3. Rinse thoroughly with analyte free water.

4. Rinse thoroughly with solvent. Do not solvent rinse PVC or plastic items.

5. Rinse thoroughly with organic/analyte free water. If organic/analyte free water is not available, equipment should be allowed to completely dry. Do not apply a final rinse with analyte water.

6. Wrap equipment completely with aluminum foil or store in Ziploc™ plastic bags to prevent contamination during storage and/or transport to the field.

3.12.5.3 Other Sampling Equipment

Miscellaneous sampling equipment will be washed with laboratory detergent, rinsed with potable water, followed by a thorough deionized water rinse, and dried before being stored. This procedure is not used for any equipment utilized for the collection of samples for trace organic compounds analyses.

3.12.5.4 Trace Organic Sampling Equipment

The following procedures are to be used for all sampling equipment used to collect routine samples undergoing trace organic or inorganic constituent analyses:

- Clean with tap water and soap using a brush if necessary to remove particulate matter and surface films. Equipment may be steam cleaned (soap and high pressure hot water) as an alternative to brushing. Sampling equipment that is steam cleaned should be placed on racks or saw horses at least two ft above the floor of the decontamination pad. PVC or plastic items should not be steam cleaned;

- Rinse thoroughly with tap water;

- Rinse thoroughly with analyte free water;

- Rinse thoroughly with solvent. Do not solvent rinse PVC or plastic items;

- Rinse thoroughly with organic/analyte free water. If organic/analyte free water is not available, equipment should be allowed to completely dry; and

- Remove the equipment from the decontamination area and cover with plastic. Equipment stored overnight should be wrapped in aluminum foil and covered with clean, unused plastic.

3.12.5.5 Field Analytical Equipment and Other Field Instruments

The exterior of sealed, watertight equipment should be washed with a mild detergent (for example, liquid dishwashing detergent) and rinsed with tap water before storage. The interior of such equipment may be wiped with a damp cloth if necessary. Other field instrumentation should be wiped with a clean, damp cloth. Conductivity probes, pH meter probes, etc., should be rinsed with deionized water before storage.

3.12.5.6 Ice Chests and Shipping Containers

If the ice chests (labeled accordingly for sampling use) and reusable containers that will be used to store or ship samples and sample containers are believed to be contaminated, the containers should be washed with laboratory detergent (interior and exterior) and rinsed with potable water and air dried before storage. In the event that an ice chest or other reusable container becomes severely contaminated with concentrated waste or suspected hazardous material, it shall be cleaned as thoroughly as possible, rendered unusable, and disposed of properly.

3.12.6 Disposable Materials

Disposable materials generated from the decontamination and sampling activities will be contained in plastic garbage bags. These materials include, but are not limited to gloves, Tyvek suits, latex booties, paper and plastic. A waste determination will be made on a site by site basis for the disposable materials generated during the sampling programs. The waste determination will be based on both process knowledge of the contents of the site and on existing analytical data from the site, if available. The wastes will be disposed off-site in accordance with all applicable federal and state regulations.

3.13 Characterization and Disposal of Investigative Derived Wastes

Investigative derived wastes (IDW) including soil and waste cuttings and decontamination, development, and purge water will be collected and characterized with the procedures described below.

3.13.1 Soils/Sediment/Waste

Soil, sediment, and waste cuttings (not including material excavated from test trenches during waste characterization) will be collected at the borehole and stockpiled on plastic sheeting or placed in appropriate containers, such as a roll-off box or 55-gallon drum for temporary storage. The temporarily stored solid material will be covered to prevent runoff.

Specific disposal options will be made on a site by site basis, taking into account the types of compounds known to be present, and will conform to applicable installation, local, state, and federal requirements.

3.13.2 Water

Investigative derived water, which will consist of decontamination wash, well development, and purge water, will be temporarily containerized in a portable poly tank. Based on previous and/or current analyses, liquids that would not fail Toxicity Characteristic Leaching Procedure (TCLP) analysis will be properly disposed of in accordance with Georgia State laws. Disposal options will be evaluated on a site by site basis.

3.14 Site Survey

A site survey will be conducted by a registered land surveyor to measure elevations (X, Y, and Z coordinates) of any new monitoring wells. The north side of the top of the casing and the land surface adjacent to each well will be surveyed relative to mean sea level to the nearest 0.01 ft. The horizontal location of each monitoring point and well will also be determined relative to the Georgia state plane system and the Fort Stewart and Hunter Army Airfield installation grid to the nearest 1.0 foot. All surveying will be performed by a certified land surveyor, and will be tied into the existing on-site benchmark.

The location of each soil and waste boring, test pit location, sediment, surface water, and stream gauging location may also be surveyed by hand-held global positioning system (GPS) equipment, as conventional land surveying will be difficult to complete at these areas.

4. Field Documentation Procedures

Information on the sample designation, field documentation, COC, and sample shipment activities are discussed in the following three sections.

4.1 Sample Designation

A numbering system was developed for each type of environmental sample collected during the field investigation for the unique identification of each individual sample. This number system will provide a tracking procedure to allow ease of data retrieval, reduction, and evaluation, and to ensure that sample identifiers are not duplicated. The most important aspect of any sample numbering system that is developed is ensuring the uniqueness of an individual sample number. A listing of the sample identification numbers will be maintained by the project manager and the field task supervisor will ensure that it is universally applied to samples collected during the project.

The numbering system for this project consists of the following components described below:

- The Site number in the format “HA##” for Hunter Army Airfield and “FS##” for Fort Stewart;
- The location type;
- The sample number;
- Water and sediment sample IDs will end with the date (in “mmddyy” format); or
- Soil samples will end with the depth range (in ft).

Blind duplicate samples will be labeled sequentially starting at 1 in the form D1(mmddyy).

Examples of the numbering system are provided below:

- Surface water sample 1 taken from HAA-01 on November 8, 2009 would be: HA01SW001(110809);

- Surface soil sample 4 taken from FST-13 at a depth of 0 to 6 inches would be: FS13SS004(0-0.5).

The location type codes are listed below:

MW – monitoring well;
TW – temporary well;
SB – soil boring (by drilling);
SS – surface soil by trowel or other hand collection method;
SW – surface water by any collection method; and
SE – sediment by any collection method.

In addition to the above nomenclature, the COC will be completed to include both the Sample Type and Sample Matrix using the codes defined below:

Acceptable sample type codes are listed below:

N = normal or primary sample;
FD = field duplicate;
EB = equipment blank;
MS = matrix spike;
SD = matrix spike duplicate; and
TB = trip blank.

The sample matrix will be identified using the following codes:

SO = soil sample;
SE = sediment sample;
WG = groundwater;
WS = surface water;
WB = water collected from borehole or during Geoprobe® investigation; and
WL = leachate.

Field duplicate samples will be given a unique number that is completely different from the original sample following the normal sample pattern. Duplicate samples will be labeled sequentially starting at 1 in the form D1(mmddyy). This number will be recorded in the field logbook, so that the duplicates can be identified at a later date. Samples collected with an additional volume for matrix spike/matrix spike duplicates (MS/MSDs) will be designated on the COC in the remarks column.

Equipment and trip blanks will be identified using the sample type code (i.e., EB or TB) followed by the date as MMDDYY. For trip blanks, if more than one trip blank is submitted to the laboratory on a given day, the sample code will be followed by the a number starting with 1. For example the second trip blank submitted on December 1, 2003 would be identified as follows: TB2(120103).

4.2 Field Activity Documentation

Documentation of field operations and sample custody is achieved through use of ARCADIS pre-printed forms and a bound field logbook. The field log consists of notes and drawings describing the location, field conditions, and method of sample collection and identification. Examples of the pre-printed forms that will be used for this project are provided in Appendix B.

All aspects of sample collection and handling as well as visual observations shall be documented on the forms or in the field logbooks. All sample collection equipment (where appropriate), field analytical equipment, and equipment utilized to make physical measurements shall be identified in the field logbooks. All calculations, results, and calibration data for field sampling, field analytical, and field physical measurement equipment shall be recorded on the forms or in the field logbooks.

In addition, the Field Operations Leader will fill out a daily site activity log that details the activities and/or issues that occurred that day.

All entries in field logbooks or the preprinted sampling logs shall be dated, legible, and contain accurate and inclusive documentation of an individual's project activities. At the end of each day's activity, or of a particular event as appropriate, all documents in the field will be secured by the Field Operations Leader for each task. Once completed, these field logbooks and/or preprinted forms will be maintained as a part of the project files.

All data forms will be completed in indelible black ink. Make an entry in each blank. Where there is no data entry, enter "UNK" for Unknown, "NA" for Not Applicable, or "ND" for Not Done. To change an entry, the person making the change will draw a single line through the mistake, add the correct information above or adjacent to it, and initial the change.

4.2.1 Utilities and Structures Checklist

The Field Operations Leader will check the proposed drilling, sampling, and trenching locations for marked underground utilities, other underground structures and above-ground pipe racks or power lines. A Utilities and Structures Checklist will be completed by the Field Operations Leader for each area to be sampled prior to commencement of field activities.

4.2.2 Location Sketch

All drilling, sampling, and trenching locations will be drawn on a Location Sketch, if a reasonable site map is not available for the area of interest.

4.2.3 Boring/ Well Construction Logs

All soil borings, boreholes, and monitoring well installations completed by the field team will be documented on Boring/Well Construction Logs. The logs document the drilling location, drilling dates and times, drilling personnel, logging personnel, soil descriptions, sample depths, recovery, boring location and volatile organic vapor content. The log also documents the well identification, drilling method, development technique, well construction materials, material depths, and abandonment, if any.

4.2.4 Water Level Measurement Form

All water level measurements will be recorded on a Water Level Measurement Form. The log identifies the measurement location, and measurement date and time.

4.2.5 Sample Key

All samples to be collected will be recorded on the Sample Key. The form identifies all sample locations, sample date and time, and analytical parameters to be collected.

4.2.6 Sampling Location Survey Summary

The sampling location survey summary is to be completed prior to field activities. It will provide northing, easting, and elevation information for site monitoring wells.

4.2.7 Water Sample Log

All surface water samples collected by the field team will be documented on a Water Sample Log. The log identifies the sample identification, duplicate identification, if any, sampling times, location, equipment used, color, odor, appearance, sample parameters, container description, sample preservative, and sampling personnel.

4.2.8 Groundwater Sampling Form

The results of field measurements while purging monitoring wells, prior to collecting a groundwater sample, will be recorded on the Groundwater Sampling Form. This form records time series measurements of conductivity, temperature, turbidity, redox potential, and dissolved oxygen. The form also provides a record of the volume of water purged prior to sample collection.

4.2.9 Well Sampling Summary

A summary of the results of field measurements while purging monitoring wells, prior to collecting a groundwater sample, will be recorded on the Well Sampling Summary Form. This form records collection date and time and the final measurements of conductivity, temperature, turbidity, redox potential, and dissolved oxygen. The form also provides a record of the volume of water purged prior to sample collection.

4.2.10 Water Level/Pumping Test Record

The data from slug tests and pumping tests completed in monitoring wells will be documented on a Water Level/Pumping Test Record. The log identifies the well the test is conducted in, the static water level, the initial displacement, and changes in the water level versus time.

4.2.11 Soil/Sediment Sample Log

All soil samples collected by the field team will be documented on a Soil/Sediment Sample Log. The log identifies the sample identification number, soil type, duplicate

identification, if any, sampling times, depth and location of sample, sampling equipment used, color, odor, appearance, sample parameters, container description, sample preservative, and sampling personnel.

4.2.12 Soil Sampling Summary

All soil samples collected by the field team will be documented on Soil Sampling Summary form. The form identifies the sample identification, sampling times, depth and location of the sample.

4.2.13 Surface Water Sample Log

All surface water samples collected by the field team will be documented on a Surface Water Sample Log. The log identifies the sample identification, duplicate identification, if any, sampling times, sampling location, equipment used, color, odor, appearance, sample parameters, container description, sample preservative, and sampling personnel.

4.2.14 Field Instrument Calibration Form

The field team will record all daily calibration results for field instrumentation on the Field Instrument Calibration Form.

4.2.15 Daily Log

The Daily Log form is used by the Site Manager to record all pertinent sampling events, field observations or other information pertinent to the field effort. The following types of information are generally entered into the Daily Log:

- Date
- Client
- Field Location
- Ambient Weather Conditions
- Field Team
- Instrument Problems
- Site Visitors
- Delays
- Unusual Situations
- Well Damage
- Accidents
- Work Progress
- Quality Control
- Site Schedule

4.2.16 Sample Label

All samples collected by the field team will be properly identified by labeling. Labels will be affixed to the sample bottle prior to the filling of the container(s). Labels are never affixed to lids or caps, although the sample identification information may duplicated on the cap for ease of sample identification. The following labeling information is supplied for every sample bottle.

- Sample Identification Number
- Initials of Sample Collector
- Date and Time of Collection
- Project Number
- Project Location
- Requested Analyses

4.2.17 Chain-of-Custody Form

The COC form is a multi-copy record, which documents the custody of the samples from sample collection through laboratory analysis. It has spaces for signatures of those receiving and relinquishing the samples. The sampler, the individual preparing the samples for shipment, and the receiving individual at the laboratory normally sign the form. An example of this form is provided in Appendix B.

The field personnel collecting the sample will fill out the COC forms. The COC process will be initiated upon sample collection. The field personnel who sign the form will be responsible for the samples until they are transferred to the custody of the laboratory or another custodian. Once the form has been completed, all remaining field sample identification spaces will be crossed through to prevent unauthorized addition of sample information.

The information required on the COC form includes the complete sample identification, date and time of sample collection, number of sample containers, analyses and method required, container type, project number, sample collection personnel, complete name, address, and telephone number of the person analytical reports will be sent to, turnaround time, and signatures of all sample custodians, excluding shippers, such as Federal Express. In addition, the method of shipment, courier name and air bill number must be included. The back copy of the form will be retained. The original form will accompany the sample shipment to the laboratory.

4.2.18 Chain-of-Custody Seal

All coolers submitted to analytical laboratories containing samples collected during the field investigations will be sealed with two signed and dated COC seals. The seals ensure that the samples have not been tampered with during shipment.

4.2.19 Bill of Lading

A bill of lading (air bill) documents receipt of the samples by the carrier. It is not possible for the carrier's representative to sign the COC because it is sealed in the ice chest. Bills of lading are kept on file as part of the sample COC documentation.

4.3 Chain-of-Custody Procedures

The primary objective of the COC process is to create an accurate written record that can be used to trace the possession and handling of the sample from the moment of its collection through analysis. A sample is considered to be in custody when one of the criteria listed below has been satisfied:

- The sample is in one's actual possession.
- The sample is in one's view after being in one's physical possession.
- The sample is in one's physical possession and is then locked up so that no one can tamper with it.
- The sample is kept in a secured area that is restricted to authorized personnel.

Strict COC procedures will be followed for all collection, handling, and shipping of environmental samples. The field personnel are responsible for the care and custody of the sample collected until the samples are properly and formally transferred to another person or a courier for shipment to the laboratory. To simplify the COC record, as few people as possible will handle the sample during the investigation or inspection and an inventory of the sample containers will be maintained.

A COC form will be completed for all samples collected. A separate COC record will be utilized for each cooler of samples shipped to each laboratory used during this investigation. During the data validation activities, it will be determined whether these procedures were adequately followed.

4.3.1 Transfer of Custody

A COC form will accompany all samples. Prior to shipment or transfer of custody, all samples will be maintained in the custody of the Field Operations Leader. Upon transfer of custody, the Field Operations Leader will verify the information on each sample label and assure that each container is intact and sealed. The Field Operations Leader will then sign and date the COC form. The individuals receiving the samples shall sign, date, and note the time that they reviewed the samples on the COC form. This form documents transfer of custody of samples from the field investigator to another person to the laboratory.

4.3.2 Sample Preparation and Shipment

All samples will be stored at approximately 4°C from immediately after collection until analysis. In the field and during transportation to the laboratory, samples will be kept in coolers on ice, not "blue ice". Ice for coolers will be double-bagged in self-sealing plastic bags. Protective foam or Styrofoam packing will be used to minimize the risk of breakage during transport. When packaging samples for commercial transport, individual bottles will be wrapped separately in padded materials.

The samples are then placed in an ice chest, in direct contact with the ice, lined with a plastic trash bag or other barrier to prevent leakage and Styrofoam, bubble wrap, or similar packaging to prevent breakage. The top two copies of the original COC form will be placed in a plastic bag secured inside the shipping container closed with a chain-of-custody seal.

4.3.3 Laboratory Sample Receiving

After the ice chests are delivered to the laboratory, the samples are logged in, the COC is signed, and the samples are checked for breakage or leakage. The temperature of the ice bath is checked. If the temperature exceeds 4º C or if any other problems are noted, this information is recorded on the COC and the Field Operations Leader or Project Manager will be notified of the problem.

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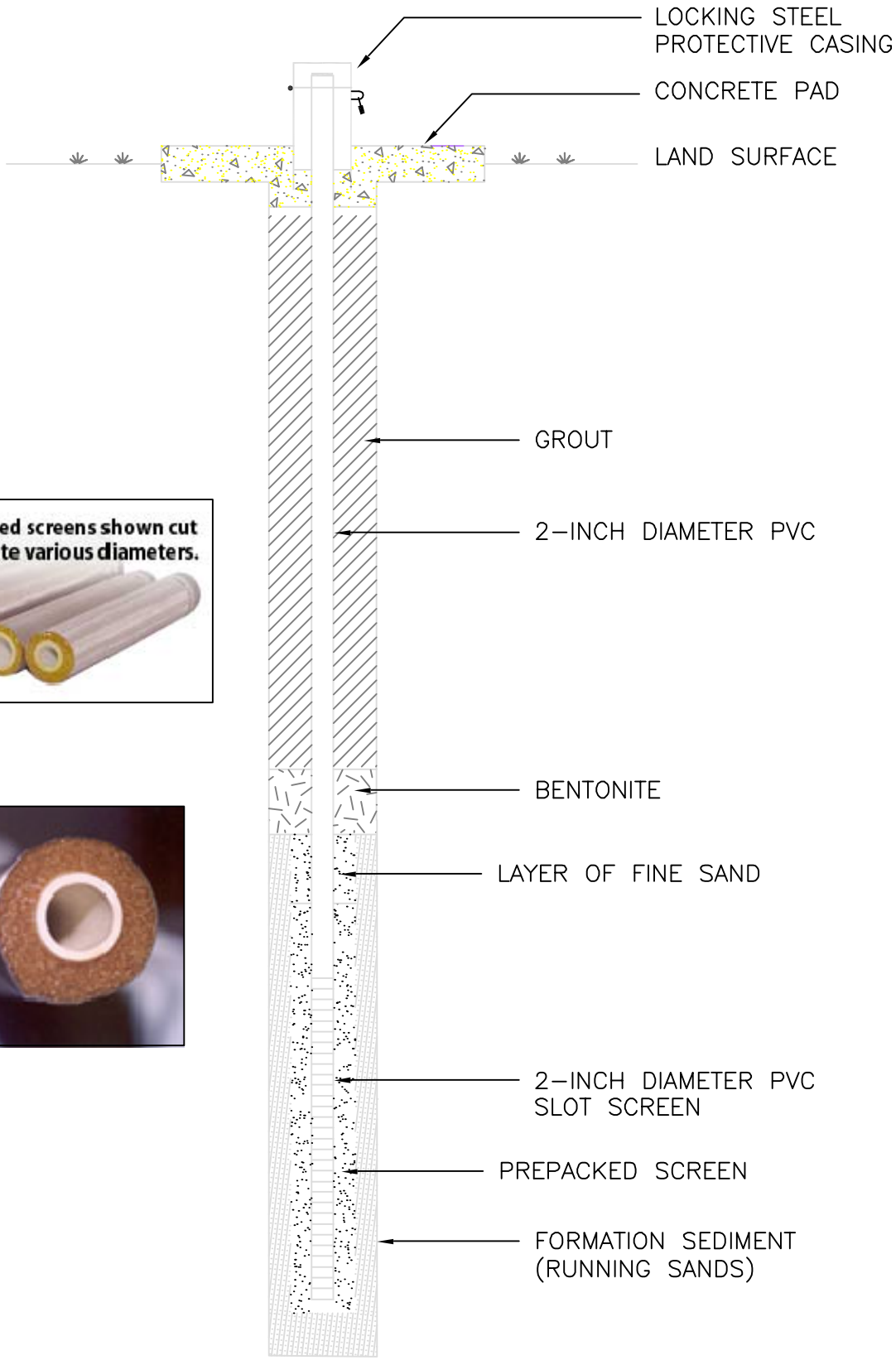
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ARCADIS

Figure



NOT TO SCALE

ARCADIS	PRJT MANAGER: / CHECKED BY:	WELL SCHEMATIC FOR WELL WITH PREPACKED SCREEN	FIG–NO 3-1
	DRAWING:		
	PRJT NO:		
	DWG DATE: / DRAFTER:		

ARCADIS

Appendix A

Site-Wide QAPP

ARCADIS
Infrastructure, environment, facilities

Appendix A:

Quality Assurance Project Plan (QAPP)

Fort Stewart Military Reservation and Hunter Army Airfield, Georgia

February 2009

ARCADIS

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Appendix A: Quality Assurance Project Plan

Fort Stewart Military Reservation
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GP08HAFS.SW00

Date:
February 3, 2009

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A-1 Project Organization

Acronyms and Abbreviations

Air Toxics	Air Toxics, Ltd.
ARCADIS	ARCADIS U.S., Inc.
AOC	Area of Concern
APM	Associate Project Manager
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
COC	Chain-of-Custody
DoD	Department of Defense
DQO	Data Quality Objectives
DQM	Data Qualification Module (Earthsoft ®)
DRMO	Defense Reutilization Market Office
EB	Equipment blank
EDD	Electronic data deliverable
FHSO	Field Health and Safety Officer
GA EPD	Georgia Environmental Protection Division
GIS	Geographic Information System
HAAF	Hunter Army Airfield
HSP	Health and Safety Plan
HSRA	Hazardous Site Response Act
HSWA	Hazardous and Solid Waste Amendments
IRP	Installation Restoration Program
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
LTO	Laboratory Task Order
MDL	Method detection limit
Microseeps	Microseeps Laboratories, Inc.
MNA	Monitored natural attenuation
MS	Matrix spike
MSD	Matrix spike duplicate
NELAP	National Environmental Laboratory Accreditation Program
NFG	National Functional Guidelines
PARCC	Precision, accuracy, representativeness, completeness, and comparability

PBA	Performance Based Acquisition
PM	Project Manager
PMP	Project Management Plan
PT	Performance Testing
QA	Quality Assurance
QAO	Quality Assurance Officer
QAM	Quality Assurance Manual
QAPP	Quality Assurance Project Plan
QC	Quality Control
QCP	Quality Control Plan
% R	Percent recovery
RCRA	Resource Conservation and Recovery Act
RL	Reporting Limit
RPD	Relative Percent Difference
SAP	Sampling and Analysis Plan
SDG	Sample Delivery Group
SOPs	Standard Operating Procedures
SOW	Scope of Work
SWMU	Solid Waste Management Unit
TB	Trip blank
USAEC	United States Army Environmental Command
USEPA	United States Environmental Protection Agency
USTMP	Underground Storage Tank Management Program
VOCs	Volatile organic compounds

Introduction

The Installation Restoration Program (IRP) activities at Fort Stewart and Hunter Army Airfield (HAAF) are performed in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) as amended by the Hazardous and Solid Waste Amendments (HSWA) of 1984. The Georgia Environmental Protection Division (GA EPD) issued Hazardous Waste Management Permit No, HW-045(S) which addresses the corrective action requirements for all Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) at Fort Stewart. Hazardous wastes generated at HAAF are transferred to the Fort Stewart Defense Reutilization Market Office (DRMO) yard. Corrective action activities performed at HAAF are executed under either the Georgia Hazardous Site Response Act (HSRA) or the Georgia Underground Storage Tank Management Program (USTMP). The goal of the Performance Based Acquisition (PBA) contract is to meet the corrective action requirements for all sites, as defined in the contract and summarized in the Project Management Plan (PMP) (ARCADIS 2008). The full scope of services for this contract is defined in the Contract W91ZLK-05-D-0015: Task 0003 as executed between the Army Environmental Command (USAEC) and ARCADIS U.S., Inc. (ARCADIS). All work performed under the contract will be consistent with all applicable regulatory requirements, and relevant Department of Defense (DoD) and Army policy.

This Quality Assurance Project Plan (QAPP) presents the policies, organization, functions, and Quality Assurance (QA) requirements designed to achieve the data quality objectives for additional contaminant delineation, groundwater monitoring, and remedial attainment to be performed in support of the environmental restoration as identified in the PBA contract This QAPP has been prepared for use by field personnel, data quality reviewers, and laboratories who perform environmental activities to ensure that the data are scientifically valid and usable for the intended purpose. Analytical protocols and documentation requirements will ensure that the data are collected, reviewed, and analyzed in a consistent manner. The method performance criteria and the analytical laboratory quality management program, as well as the protocols set forth in this QAPP, will be employed to establish data usability.

The general guidelines followed in the preparation of this QAPP are presented in EPA Requirements for QAPPs for Environmental Data Operations, EPA QA/R-5 (United States Environmental Protection Agency [USEPA], March 2001). The EPA document was used as guidance and this QAPP presents only the applicable components. Other documents that have been referenced in this QAPP are presented in Section 5.

Personnel participating in the work effort will review this document. All personnel are required to comply with procedures documented in this QAPP and supporting project documents to ensure usability of the data produced.

1. Project Management

1.1 Project

This section provides a description of the ARCADIS organizational structure of personnel involved with this project. The lines of authority are defined and key personnel identified for various activities of the project. The project organization is illustrated in Figure A-1. Table A-1 presents contact information for key ARCADIS personnel. The Project Manager will communicate with the client and regulatory agencies and oversee project execution. The Associate Project Manager and Site Managers will implement project tasks and coordinate with the technical personnel.

ARCADIS, Project Manager

Mr. Charles A. Bertz, P.E.. The ARCADIS Project Manager (PM) is responsible for the overall implementation of the project. The Project Manager is responsible for allocating resources to assure successful execution and completion of the scope of work (SOW). Other duties, as required, may include:

- Approving project-specific procedures and internally prepared plans, drawings, and reports;
- Ensuring technical, schedule, and budget requirements are met;
- Coordinating manpower and other necessary resources with ARCADIS Assistant Project Manager, Site Managers, and technical personnel;
- Reviewing project progress;
- Reviewing all final documents, plans, and drawings; and
- Coordinating document delivery and attaining project milestones.

ARCADIS, Associate Project Manager

Ms. Shelley Gibbons. The ARCADIS Assistant Project Manager (APM) will support the Project Manager in contract management as well as task implementation, document preparation, personnel coordination, and budget management. Ms. Gibbons will perform a key role in ensuring compliance with quality performance objectives. Other duties, as required, may include:

- Coordinating schedules and deliverables with the Site Managers and the Project Manager;
- Ensuring project budget and deliverable schedule compliance;
- Assisting with quality program implementation and coordinating document preparation and submittals;
- Serving as the "collection point" for the project staff reporting any changes or deviations from the project work plan;
- Determining the significance of these changes or deviations to specific work plans and the appropriateness of reporting such items to the corresponding regulatory and facility representatives;
- Arranging subcontractor services; and
- Preparing status update reports and revisions to the project work plan.

ARCADIS, Site Managers

Mr. Andy Davis, P.E. and Mr. Scott Bostian, P.E.. The ARCADIS Site Managers are principally responsible for overseeing day-to-day of task performance including all technical and administrative operations. Other duties required may include:

- Preparing the work plans;
- Selecting and monitoring technical staff;
- Assigning duties to the project staff and orienting the staff to the requirements of the project;
- Coordinating and scheduling field activity resources;

- Performing assessment and oversight duties as described in the PMP, Sampling and Analysis Plan (SAP), and QAPP;
- Reviewing and approving all final reports and other work products;
- Monitoring staff and subcontractor progress; and
- Distributing the QAPP to the ARCADIS technical staff.

ARCADIS, Quality Assurance Officer

Mr. Kurt Beil, P.E.. The ARCADIS Quality Assurance Officer (QAO) is responsible for oversight of all QA/QC activities. He will remain independent of day-to-day direct project involvement, but will have the responsibility for ensuring that all project and task-specific QA/QC requirements are met. He will have direct access to corporate staff, as necessary, to resolve any QA/QC problems, disputes, or deficiencies. The QA Officer's duties include:

- Reviewing and approving the Site-Wide QAPP and site-specific work plans;
- Reviewing and approving substantive changes to the QAPP, SAP, and work plans;
- Reviewing any new work orders with the Project Manager to determine if the QAPP requires modification;
- Providing external review of field and analytical activities by performance of assessment and oversight duties as described in the QCP; and
- Conducting or delegating responsibility for field audits in conjunction with the corporate QA office and maintaining written records of those audits.

ARCADIS, Health and Safety Officer

Mr. Sam Moyers. The ARCADIS Health and Safety Manager reviews and internally approves the Health and Safety Plan (HSP) that will be designed to the specific needs and operations associated with this project. In consultation with the PM, the Health and Safety Manager will ensure that an adequate level of personal protection exists for anticipated potential hazards for field personnel. Identify the Field Health and Safety Officer (FHSO) for each field operation. On-site health and safety will be the responsibility of the FHSO. The FHSO will work in coordination with the PM and the

project Health and Safety Manager to ensure that all activities are conducted safely and in accordance with the HSPA as well as facility requirements.

ARCADIS, Project Chemist

Ms. Jane Kennedy. The Project Chemist is responsible for laboratory selection and oversight, data validation and verification, and hard copy and electronic analytical data oversight. The Project Chemist's specific duties include:

- Developing the Site-Wide QAPP and QA aspects of site-specific work plans;
- Providing external review of analytical activities by performance of assessment and oversight duties;
- Coordinating with the Project Manager, Task Managers, and laboratory management to ensure that QA objectives appropriate to the project are set and that laboratory and field personnel are aware of these objectives;
- Recommending, implementing, and/or reviewing corrective actions taken in the event of QA/QC failures in the laboratory or field;
- Reporting nonconformance with either QC criteria or QA objectives (including an assessment of the impact on data quality or work assignment objectives) to the appropriate managers; and
- Assisting with preparation of reports summarizing data quality.

Technical Staff

The technical staff for this program will be drawn from a pool of technical resources within ARCADIS. The technical staff will implement project and site tasks, analyze data, and prepare reports/support materials. All technical personnel assigned will be experienced professionals who possess the degree of specialization and technical competence required to perform the required work effectively and efficiently. All technical staff will be familiar with the HASP and all relevant Work Plans, standard operating procedures (SOPs), and policies applicable to the field work performed.

Laboratories

Independent laboratories providing analytical services will be chosen as appropriate for the various project requirements including routine monitoring, confirmation sampling,

remedial system monitoring, air analyses, and pilot/benchscale studies. Geotechnical laboratories may be selected based on project requirements and will be identified in the site-specific work plans. Selection criteria for geotechnical laboratories will be based on previous performance on ARCADIS projects or satisfactory recommendations. Analytical chemistry laboratories shall be accredited under the National Environmental Laboratory Accreditation Program (NELAP) and in accordance with Georgia requirements for the project analytical parameters for which accreditation is available through the primary accrediting state. The laboratory QA programs will be reviewed by the ARCADIS Project Chemist, as appropriate. The laboratory will assign an experienced Project Manager to coordinate analytical support for field operations with the ARCADIS Field Operations Manager and Project Chemist.

The analytical chemistry laboratories will provide services under a specified SOW and contractual agreement with ARCADIS. This QAPP incorporates by reference the laboratory, reporting and detection limits, and quality control limits. SOPs will be evaluated by the project chemist to ensure that method performance is acceptable. Appropriate data will be uploaded to the electronic project database for use by the ARCADIS Project Manager and task managers.

The laboratory staff will include a qualified QA Manager, who reports directly to laboratory management independently of the technical operations of the laboratory, to oversee technical adherence to the laboratory QA programs and this QAPP.

The specific duties of the laboratory Project Manager and QA Manager include:

- Reviewing the QAPP and other project requirements to verify that analytical operations will meet project requirements as defined in the project documents;
- Documenting and implementing project QA/QC requirements in the laboratory and reviewing analytical data (10 percent for the QA Manager) to verify that the requirements were met;
- Reviewing receipt of all sample shipments and notifying the Project Chemist of any discrepancies within 1 day of receipt;
- Conducting internal laboratory audits to assess implementation of the laboratory Quality Assurance Manual (QAM) and procedures and providing written records of those audits;
- Rapidly notifying the Project Chemist regarding laboratory nonconformance with the QAPP or analytical QA/QC problems affecting project samples; and

- Coordinating with the project and laboratory management to implement corrective actions as required by the QAPP and internal laboratory QAM.

The principal contract laboratory QAM will be incorporated in this QAPP by reference when the laboratory subcontract is executed. Microseeps Laboratories, Inc. (Microseeps), will provide analytical support for the monitored natural attenuation (MNA) dissolved gas and biogeochemical parameters, and Air Toxics, Ltd. (Air Toxics), will provide analysis of air samples as required. The QAMs for these laboratories shall be retained by the ARCADIS Project Chemist. Ozark Underground Laboratories will provide dye tracer analyses associated with remedial system performance assessments.

Other Subcontractors

Other subcontractors will provide services under the direct supervision or direction of the ARCADIS Project Manager or Task Managers or appropriate designated staff. The drilling, surveying, geotechnical laboratory, and other subcontractors are responsible for performance in accordance with the individual subcontracts and applicable portions of the QAPP and Quality Control Plan (QCP) as defined in each subcontract package. Subcontractors are responsible for rapidly notifying the Site Manager regarding nonconformance with the QAPP or QA/QC problems encountered or observed. Subcontractors must coordinate with the Site Managers to implement corrective actions.

1.2 Problem Definition/Background

Detailed project information is included in the PMP, the SAP, and the PBA contract or, if necessary, will be included in the appropriate work plans that define a particular SOW to be completed.

1.3 Project Description

The field sampling program and field procedures are described in detail in the SAP, and therefore are not repeated in this QAPP. Additional work plans will be prepared as sampling and analytical requirements are defined. Any additional specific QA requirements will be included in specific plans.

The purpose of this QAPP is to provide field, laboratory, and quality assessment personnel with general instructions regarding activities to be performed before, during, and after each sampling effort to ensure generation of usable data. This QAPP

contains general and specific details regarding field sampling, laboratory analytical methods, and data management that apply to the Site. The collection and documentation of data will be performed as described in the following sections to ensure the quality of the collected data.

1.4 Data Quality Objectives for Measurement Data

Table A-2 presents the overall project Data Quality Objectives (DQOs). Additional analytical performance and data review DQOs include precision, accuracy, representativeness, completeness, and comparability (PARCC). These criteria represent qualitative and quantitative objectives that ensure the data are generated that are scientifically valid and usable for the intended purpose. As discussed in *USEPA Guidance on Systematic Planning Using the Data Quality Objectives Process; USEPA QA/G-4*, dated February 2006 and *USEPA Requirements for Quality Assurance Project Plans; USEPA QA/G-5*, dated March 2001, the DQOs are dependent on the intended uses of the data and are based on the premise that the ultimate use(s) of a particular data set should dictate the quantity and quality of these data. These DQOs in conjunction with criteria set forth in this QAPP will be used as a guide for data quality assessment by establishing analytical protocols and documentation requirements that will allow the analytical data to be collected, analyzed, and verified/validated in a consistent manner.

1.4.1 Precision, Accuracy, Representativeness, Completeness, and Comparability

The basis for assessing the elements of data quality is discussed in the following subsections. The contract analytical laboratory precision and accuracy QC limits will be incorporated into the QAPP and updated as appropriate.

Precision measures the reproducibility of repetitive measurements. It is strictly defined as the degree of mutual agreement among independent measurements as the result of repeated application of the same process under similar conditions.

Analytical precision is a measurement of the variability associated with duplicate (two) or replicate (more than two) analyses of the same sample in the laboratory and is determined by analysis of laboratory control samples/laboratory control sample duplicate (LCS/LCSD), matrix spikes/matrix spikes duplicate (MS/MSD), laboratory duplicates and field duplicates. If the recoveries of analytes in the LCS are comparable within established control limits, then laboratory precision is within limits. The contract laboratory control limits will be utilized to evaluate analytical precision.

Total precision is a measurement of the variability associated with the entire sampling and analysis process. It is determined by analysis of duplicate or replicate field samples and measures variability introduced by both the laboratory and field operations. Field duplicate samples and matrix duplicate spike samples are analyzed to assess field and analytical precision. Field duplicate samples will be collected at a minimum 5 percent frequency.

Duplicate results are assessed using the relative percent difference (RPD) between duplicate measurements. The formulas for the calculation of precision are provided in Table A-3 as RPD (used for two measurements), average RPD, relative standard deviation (RSD), and pooled RSD (used for more than two measurements). The proposed precision objective for soil and sediment field duplicates is an RPD of 70 percent and the precision objective for groundwater and surface water field duplicates is an RPD of 40 percent for all parameters analyzed.

Accuracy is a statistical measurement of correctness and includes components of random error (variability due to imprecision) and systematic error. It reflects the total error associated with a measurement. A measurement is accurate when the value reported does not differ from the true value or known concentration of the spike or standard. Analytical accuracy is measured by determining the percent recovery (%R) of known target analyses that are spiked into a LCS to a control limit. For organic parameters analyzed by GC and GC/MS surrogate compound recoveries are also used to assess accuracy and method performance for each sample analyzed.

Both accuracy and precision are calculated for preparation or analytical batches, and the associated sample results are interpreted by considering these specific measurements. The formula for the calculation of accuracy is included in Table A-3 as %R from pure and sample matrices. Laboratory precision and accuracy control limits will be incorporated by reference into this QAPP upon selection of the contract laboratory.

Representativeness is achieved through use of the standard field, sampling, and analytical procedures. Representativeness is also determined or influenced by appropriate program design, with consideration of proper sampling locations and collection techniques.

Completeness is calculated for the aggregation of data for each analyte measured for any particular sampling event or other defined set of samples. The number of valid results divided by the number of possible individual analyte results, expressed as a percentage, determines the completeness of the data set. For completeness

requirements, valid results are all results not qualified with an "R" flag/reject or unusable data. For any instances of samples that could not be analyzed for any reason (e.g., holding time violations in which re-sampling and analysis were not possible, or samples spilled or broken), the numerator of this calculation becomes the number of valid results minus the number of possible results not reported.

The formula for calculation of completeness is presented, as follows:

$$\% \text{ completeness} = \frac{\text{number of valid results}}{\text{number of possible results}}$$

The completeness objective for sample matrices collected during these investigations will be at least 90 percent.

Comparability is the confidence with which one data set can be compared to another data set. The objective for this aspect of the QA/QC program is to produce data with the greatest possible degree of comparability. The number of matrices that are sampled and the range of field conditions encountered are considered in determining comparability. Comparability is achieved using standard methods for sampling and analysis, reporting data in standard units, and using standard and comprehensive reporting formats. Complete field documentation using standardized data collection forms shall support the assessment of comparability. Historical comparability is achieved through consistent use of methods throughout the project. EPA approved methods will be utilized for analytical chemistry determinations as available.

1.4.2 Objectives for Laboratory Analyses

The laboratory DQOs include method performance and reporting consistent with criteria presented in the USEPA document entitled "Test Methods for Evaluating Solid Waste-Physical/Chemical Methods," SW-846, Third Edition (as updated) the laboratory QAM and SOPs, this QAPP, and other applicable performance requirements published in EPA method guidance.

1.4.3 Objectives for Field Measurements

Field measurement DQOs for precision, accuracy, and completeness criteria presented in Table A-4 are consistent with the industry acceptance criteria.

Trip blanks (TBs) will accompany samples to be analyzed for volatile organic compounds (VOCs). Field duplicate samples will be collected at a frequency of 5 percent for each analysis and each sample matrix collected. Equipment blanks (EBs) and additional sample volume for MS analysis will be collected at a minimum five percent frequency for each analysis. Temperature blanks will be placed in each sample cooler and the temperature recorded upon laboratory receipt. Frequency for collection of field QC samples is presented in Table A-4.

The field sampling team will also be responsible for collecting additional sample quantities at a frequency of five percent for MS and MSD analyses.

1.5 Specialized Training and Certification

Training shall be provided to all project personnel to ensure compliance with the site specific Health and Safety Plan and technical competence in performing the work effort. Documentation of this training shall be maintained in the records of the contracted organizations. ARCADIS employees who participate in the types of activities defined in the Occupational Safety and Health Administration (OSHA) requirements under Code of Federal Regulations (CFR) 1910.120 complete the 40-hour health and safety training program. Each employee must successfully complete a minimum of 8 hours of refresher training annually to maintain the certification. Employee training records are maintained in the ARCADIS office where the employee resides. Any special requirements for personal possession of certification cards will be adhered to as program appropriate.

All analytical chemistry laboratories performing analyses will be required to maintain current NELAP accreditation for the parameters of interest if accreditation is available. Accreditation certificates, audit reports, and performance testing (PT) data will be reviewed by the Project Chemist, as appropriate to ensure that laboratory capabilities meet or exceed project requirements. Laboratories must also maintain internal training records for technical staff in accordance with standard laboratory practices and certification requirements. The laboratory will provide the applicable training records, including Initial Demonstration of Competence documentation, for review, as deemed necessary, by the ARCADIS Project Chemist.

All subcontractors and their employees will have current and applicable performance and certifications required to perform the assigned SOW. Subcontract agreements will include the specific training and certification requirements and applicable records will be reviewed as appropriate. Subcontractor training and certification documentation will be maintained at the subcontractors' offices.

1.6 Documents and Records

The primary documentation for the project includes field records, analytical data packages, and summary reports. This section describes the level of documentation and record keeping for the central project file that will be maintained by the ARCADIS office in Raleigh, North Carolina.

1.6.1 Document Control

All planning documents will be clearly identified by the document title, revision number, date, and page number in the header of each document page. Planning documents currently in use will be reviewed on an annual basis and any necessary revisions or updates will be amended and distributed to each participating party. Documents prepared in support of the PBA contract will be prepared and distributed as required.

Original field records and laboratory analytical data will be maintained in the ARCADIS Raleigh, NC office.

1.6.2 Field Documentation

Field documentation will include field logbook or daily logs, field sampling logs, instrument calibration logs, and data forms as necessary to provide sufficient information to allow review of field conditions, performance, and sample collection, to evaluate potential impacts to sample and data integrity, and to enable participants to reconstruct events that occurred during the field operations when necessary. Daily logs will also document any deviations from the SAP, QAPP, site or task specific work plans or other applicable planning documents and describe the rationale for the changes.

All entries will be made in waterproof ink, and the time of the entry will be recorded. The top of each page of the field documents will contain the date that the entries on that page were recorded. No pages will be removed from a bound logbook for any reason. Additional details on field documentation are provided in the SAP.

All documentation associated with field activities will be retained in the project file in accordance with the document retention policy stated in this QAPP and the QCP as applicable to the document type.

1.6.3.1 Corrections to Field Documentation

As with all bound data logbooks, no pages will be removed for any reason. If corrections are necessary on any field documentation, they will be made by drawing a single line through the original entry (so that the original entry can still be read) and writing the corrected entry alongside it. The correction must be initialed and dated. As necessary, corrected errors will include a footnote explaining the correction.

1.6.3.2 Photographs

Photographs will be taken as directed by the Site Manager. Documentation by a photograph will ensure the validity as a visual representation of an existing situation. A log will be developed to track the media that the photos are filed on (e.g., compact disc, floppy disk). Photographs, as developed or transferred to electronic media, shall be compiled into a photograph log and information recorded in field notebooks added to the log with appropriate photographs.

1.6.3 Laboratory Data Reporting/Record Retention

Analytical data reports for all samples will be prepared by the laboratory as a Level II Data Package. The Level II Data Packages will include a fully-executed COC Record, sample receipt checklist, cross-reference table of field samples with laboratory sample number, preparation and analytical batch numbers, analytical results, collection and analysis dates and times, reporting limits (RLs), dilution factors, surrogate recoveries, method blank data. Summary QC data will be provided for LCS, MS accuracy and precision, laboratory replicate precision, laboratory control limits. The analytical report shall include the method detection limits (MDL), and the quantitative RLs. Appropriate data flags identifying any QC result reported outside control limits and an explanation of all data flags applied by the laboratory. The case narrative will present an explanation of all QC results reported outside control limits and samples analyzed at dilutions where all results are non-detect.

Where detailed data validation is required, analytical data reports will include the following items in addition to the elements of the Level II data package, sample aliquots, final extract volumes, run logs, quantitation reports, ion spectra, chromatograms, batch identification report clearly linking all QC results to field sample results, and instrument calibration and tuning information. The laboratory report will include copies of any nonconformance or corrective action forms associated with data generation. This level of analytical report components will be defined as a Level IV data package.

The RLs will be corrected for percent moisture (soils only) and all dilution factors. Any compounds found less than the RL, but greater than the MDL will be reported and qualified with a "J" flag as estimated. Soils will be reported on a dry weight basis.

The laboratory will provide an electronic data deliverable (EDD) that matches all data reported on the hard copy analytical report. Electronic data report requirements are described in Section 2.12.

The laboratory is required to retain all information associated with the analytical operations for samples associated with this project for a minimum of 6 years.

1.6.4 Electronic Data Retention

Electronic data and media retention policies will correlate with hard copy data retention at the laboratories as well as other points of electronic data generation. Additionally, electronic data will be subject to back-up routines that will enable recovery of data that may become corrupted or lost due to instrument, computer, and/or power failures. Electronic media will be stored in climate-controlled areas to minimize potential for degradation. Storage areas will be access limited.

2. Data Generation and Acquisition Elements

2.1 Sampling Process Design

The sampling process design will be presented in future work plans and in the SAP.

2.2 Sampling Methods

The field sampling procedures, sampling methods and equipment are also discussed in detail in the associated SAP. Calibration will be documented on a Field Equipment Calibration form, where each instrumented calibrated is identified along with the date, time, calibration reading, and field staff initials. The field sampling methods are referenced in the following section.

2.3 Sample Handling and Custody

Procedures to insure the custody and integrity of the samples begin at the time of sampling and continue through transport, sample receipt, preparation, analysis and storage, data generation and reporting, and sample disposal. Records concerning the custody and condition of the samples are maintained in field and laboratory records. All samples will be uniquely identified, labeled, and documented in the field at the time of collection and recorded on the Chain-of-Custody (COC) form. Samples collected for laboratory QC will be clearly identified on the COC (e.g. MSs). Details for completing the COC are included in Section 4.2.17 of the SAP. Field custody procedures are presented in Section 4.3 of the SAP.

Samples collected in the field will be transported to the laboratory or field testing site as expeditiously as possible. Samples requiring preservation at 4 degrees +/- 2 degrees Celsius (^{o}C) will be packed in ice or chemical refrigerant to keep them cool during collection and transportation. Any concerns and/or deviations will be reported to the contractor immediately.

Once the samples reach the laboratory, they will be checked against information on the COC form for anomalies. The condition, temperature, and appropriate preservation of the samples will be recorded by the laboratory on a sample receipt checklist, and will be made part of the permanent project custody records. The occurrence of any anomalies in the received samples and their resolution shall be documented in laboratory records. All sample information shall then be entered into the laboratory tracking and data management system. The laboratory PM shall review the log-in for accuracy and compliance with project requirements. Procedures ensuring internal

laboratory COC shall also be implemented and documented by the laboratory. Specific instructions concerning the analysis specified for each sample shall be communicated to the analysts. Analytical batches shall be created, and laboratory QC samples shall be introduced into each batch.

While in the laboratory, samples shall be stored in limited access, temperature controlled areas. Refrigerators, coolers and freezers used for sample storage will be monitored for temperature 7 days a week. Acceptance criteria for the temperatures of the refrigerators and coolers are 4°C to 2°C. Acceptance criteria for the temperatures of the freezers shall be less than 0°C. All of the cold storage areas shall be monitored by thermometers that have been calibrated with a NIST traceable thermometer. As indicated by the findings of the calibration, correction factors shall be applied to each thermometer. Records that include acceptance criteria shall be maintained. Samples shall be stored separately from standards. Samples shall be stored after analysis until disposed of in accordance with applicable local, state, and federal regulations. Disposal records shall be maintained by the laboratory. SOPs describing sample control, custody, and disposal shall be maintained by the laboratory.

2.4 Sample Containers

The volumes and containers required for the sampling activities are listed in Table A-5. The laboratory will provide new, pre-cleaned sample containers. The laboratory shall use an approved specialty container supplier that prepares the containers in accordance with USEPA bottle preparation procedures. TBs will be transported to the site inside the same cooler/box as the VOC vials.

Sample container lids will not be mixed. All sample lids must stay with the original containers as provided by the supplier. Bottle lids (with any associated bottle) exhibiting cracks, splits, or chips shall be appropriately discarded.

2.5 Sample Preservation and Holding Times

New and pre-preserved (as appropriate) containers obtained from the laboratory shall be used for all samples requiring preservation. Chemicals used by the laboratory for preservation will be reagent-grade chemicals. The laboratory shall maintain traceability records for all preservatives in the event of potential contamination of samples. The laboratory must ensure that preservatives used in containers supplied will not expire within the anticipated time of sample collection completion. Each bottle received from the laboratory must be clearly labeled with the type of chemical preservative in the bottle and the test parameters that will be determined from the sample collected in the

container. Sample containers will not be stored at the site for longer than 30 days. Bottle orders and any additional preservative requirements will be submitted to the laboratory 5 working days prior to commencement of field operations to allow supplies of clean, fresh containers and preservatives to be shipped to the facility.

Sample preservation will be verified on receipt at the laboratory with the exception of aqueous VOC samples. VOC sample preservation shall be verified prior to analysis. The preservation or pH check will be recorded on the sample receipt form or other appropriate logbook. If the samples are improperly preserved, a corrective action form will be submitted to the laboratory project manager for follow-up action. The laboratory will notify the ARCADIS Site Manager or Project Chemist to implement corrective actions in the field to ensure sufficient preservative is added at the time of sample collection.

Sample holding times will be based on published USEPA guidance and will be calculated for the date and time of collection. A list of preservatives and holding times for each type of analysis are presented in Table A-5. Additional preservation requirements and holding times for non-target analyses are listed in 40 CFR Part 136. Preservatives and holding times not listed in Table A-5 applicable to a specific task will be listed in the applicable SAP or work plan.

2.6 Analytical Methods

The primary analytical methods anticipated to be utilized for samples collected Table A-5. All methods will be USEPA approved/published. Additional USEPA approved methods, which may be utilized, are published in references listed below. Specific performance criteria, including QA protocols, for each analytical method, are documented in the published methods, laboratory SOPs, and the laboratory QAM. The QAM for each analytical laboratory performing work be reviewed as part of the procurement process and laboratory SOPs will be examined during onsite audits or as necessary. QAM is a generic term for the laboratory QA document, which describes the laboratory program to ensure data of known quality are generated. The contracted laboratory QAM will be incorporated by reference into this QAPP upon execution of the contract for analytical support.

2.6.1 Standard Laboratory Analytical Procedures

All standard analytical methods performed will be USEPA approved. The analytical methods are referenced in:

- *Test Methods for Evaluating Solid Waste, Physical Chemical Methods*, 3rd edition, SW-846, 1997.

- 40 CFR Part 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act*; and

- *Methods for Chemical Analysis of Water and Wastes*, EPA-600/4-79-020, Revised March 1983.

The laboratory will perform all methods in accordance with the appropriate USEPA-approved methods and the laboratory specific SOPs for compliance with this QAPP and other project-specific requirements. The laboratory shall have method specific SOPs for all methods performed. The SOPs will detail method set-up, calibration, performance, and reporting criteria in accordance with SOP preparation under NELAP guidance and requirements. Method performance will be in strict compliance with the SOP and referenced method. Laboratory SOPs will include any modifications to the published method and will indicate actual performance protocols performed by the laboratory. The laboratory will update SOPs in accordance with NELAP requirements. The ARCADIS Project Chemist must approve any changes to the method performance acceptance criteria

The laboratory must notify the Project Chemist of any updated or revised RLs or performance control criteria prior to initiation of field operations. Required sample or extract dilutions to complete the analyses within method performance criteria may impact RLs. All required sample dilutions will be noted in the analytical report and explained in the case narrative. The laboratory shall make every effort to report all compounds/analytes at the lowest technically achievable limit to meet the risk screening standard requirements. The changes/elevations in limits will be evaluated to determine potential impact on DQOs. Any additional methods required for future projects will be specified in the SAP or Work Plan.

2.7 Elements of Quality Control

This section presents QC requirements relevant to analysis of environmental samples that shall be followed. The purpose of this QC program is to produce data of known quality that satisfy the project objectives and that meet or exceed the requirements of the standard methods of analysis. This program provides a mechanism for ongoing control and evaluation of data quality measurements through the use of QC materials.

Laboratory QC samples (e.g., blanks and LCSs) shall be included in the preparation batch with the field samples. Preparation batch is a number of samples (not to exceed 20 samples) similar in composition (matrix) and that are extracted or digested at the same time and with the same lot of reagents. MS and MSD samples do not count as environmental samples. The term analytical batch also extends to cover samples that do not need separate extraction or digestion (e.g., VOCs analysis by purge and trap). The identity of each preparation batch will be unambiguously reported with the analyses so that a reviewer can identify the QC samples and the associated environmental samples. The type of QC samples and the frequency of use of these samples are discussed in the following section. The laboratory will provide spike results from site-specific field samples of groundwater and soil, not from another client or site. Additional QC samples may be added to those required by the method to ensure accurate and precise data. The frequency of analysis of laboratory QC samples is presented in Table A-6.

2.7.1 Laboratory Control Samples

The LCS is analyte free water (aqueous samples) or clean sand (soil/sediment matrix) spiked with known concentrations of specific analytes. The LCS shall be carried through the complete sample preparation and analysis procedure. The LCS is used to evaluate each preparation batch and to determine if the method is in statistical control. One LCS will be included with every analytical batch. All target analytes will be spiked in the LCS.

In accordance with method criteria and laboratory SOPs, an LCS analyte outside the recovery acceptance limit mandates corrective action unless the out of control scenario does not impact data usability. Where corrective action is required and after the system problems have been resolved with system control re-established, all samples in the analytical batch will be reanalyzed for the out of control analyte(s). When an analyte in an LCS exceeds the upper or lower control limit and no corrective action is performed, the appropriate validation flag, as described in the data validation section, will be applied to all affected results. LCS results will be compared to the laboratory LCS control limits.

2.7.2 Matrix Spike and Matrix Spike Duplicate

An MS is an aliquot of sample spiked with known concentrations of specific compounds. The spiking occurs prior to sample preparation and analysis. The laboratory will provide the results at a minimum of one MS and one MSD sample for every 20 environmental samples. The MS and MSD samples will be designated on the

chain of custody (COC) form. Additional sample quantities will be collected so that MS and MSD analyses can be performed on the environmental samples collected at the Site. The full list of target analytes will be spiked into the samples utilized for the MS and MSD.

An MS is used to document the bias of a method in a given sample matrix. MS and MSD results are used to evaluate the matrix effect, not to control the analytical process. The recoveries of analytes in the MS/MSD will be compared to the laboratory QC acceptance limits 2. If the recoveries for the MS or the MSD are outside the QC acceptance limits, sample data will be evaluated by the Project Chemist to determine extent of impact.

2.7.3 Surrogates

Surrogates are organic compounds that are similar to the target analyte(s) in chemical composition and behavior in the analytical process, but that are not normally found in environmental samples. Surrogates are used to evaluate accuracy, method performance, and extraction efficiency. Surrogates are added to samples, controls, and blanks, in accordance with the method requirements.

When the recovery of a surrogate is outside the acceptance limits, corrective action steps must be taken. After the system problems have been resolved and system control has been re-established, the sample is re-prepared and re-analyzed. Re-preparation and re-analysis is not required if the laboratory is able to provide objective evidence with the case narrative of the final report documenting matrix interference (that is, unresolved co-eluting peaks on reconstructed ion chromatograms, or observations about visibly oily samples). If corrective actions are not performed or are ineffective, the appropriate validation flags are applied to the sample results. Re-extractions will be done within the holding times. Laboratory surrogate recovery limits will be included in each analytical report.

2.7.4 Internal Standards

Internal Standards (ISs) are measured amounts of certain compounds added after preparation or extraction of a sample. They are used in an IS calibration method to correct sample results affected by column injection losses, purging losses, or viscosity effects. ISs are added to samples, controls, and blanks, in accordance with the method requirements.

When the IS results are outside of the acceptance limits, corrective actions shall be performed. After the system problems have been resolved and system control has been re-established, samples analyzed while the system was malfunctioning are re-analyzed. If corrective actions are not performed, the appropriate validation flag, as described in the data validation section of this QAPP.

2.7.5 Retention Windows

Retention time windows are used in GC analysis for qualitative identification of analytes. They are calculated from replicate analyses of a standard on multiple days. The procedure and calculation method are given in SW-846 Method 8000A.

When the retention time is outside of the acceptance limits, corrective actions will be performed. After the system problems have been resolved and system control has been re-established, samples analyzed since the last acceptable retention time check are re-analyzed. If corrective actions are not performed, the appropriate validation flag, as described in the validation section, will be applied to the sample results.

2.7.6 Method Blank

A method blank is an analyte free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank will be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process. A method blank will be included in every analytical batch and representative for each sample matrix.

The presence of analytes in a method blank at concentrations greater than the MDL or RL for common laboratory contaminants indicates a need for corrective action. Corrective actions will be performed to eliminate the source of contamination prior to proceeding with analysis. After the source of contamination has been eliminated, all samples in the analytical batch will be re-prepared and re-analyzed. No analytical data will be corrected for the presence of analytes in blanks. When an analyte is detected in the method blank, but not in the associated samples, no corrective action is necessary. When an analyte is detected in the blank and in the associated samples and corrective actions are not performed, the appropriate validation flag, as described in the data validation section, will be applied to the sample results.

2.7.7 Equipment Blank

An EB is a sample of organic free water (for VOCs analyses) poured into, or over, or pumped through the sampling device, collected in the sample bottle, and transported to the laboratory for analysis. EBs are used to assess the effectiveness of equipment decontamination procedures.

EBs are collected immediately after the equipment has been decontaminated. The frequency requirements for collecting EBs are a minimum of five percent of the environmental samples. The blank shall be analyzed for all laboratory analyses requested for the environmental samples collected at the Site. When an analyte is detected in the EB the appropriate validation flag, as described in the data validation section, shall be applied to all sample results from samples collected. It should be noted that the laboratory will supply the organic free water. A sample aliquot of the organic free water will be submitted for the analysis of all parameters of interest.

2.7.8 Trip Blank

The TB consists of a VOC sample vial filled in the laboratory with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample and returned to the laboratory for analysis. TBs are not opened in the field. TBs are prepared only when VOC samples are taken and are analyzed only for VOC analytes. TBs are used to assess the potential introduction of contaminants from sample containers or during the transportation and storage procedures.

When an analyte is detected in the TB the appropriate validation flag as described in the validation section, shall be applied to all sample results from samples in the cooler with the affected TB. One TB of either soil or liquid matrix shall accompany each cooler of samples submitted to the laboratory for VOC analysis.

2.7.9 Field Duplicates

A field duplicate sample is a second sample collected at the same location as the original sample. Duplicate samples are collected simultaneously or in immediate succession, using identical recovery techniques, and treated in an identical manner during storage, transportation, and analysis. The sample containers are assigned an identification number in the field such that they cannot be identified (blind duplicate) as duplicate samples by laboratory personnel performing the analysis. Specific locations are designated for collection of field duplicate samples prior to the beginning of sample collection.

Field duplicate sample results are used to assess precision, including variability associated with both the laboratory analysis and the sample collection process. Field duplicates will be collected at a frequency of 5 percent of samples collected. Analytical results for field duplicate will be assessed during the data validation process. Specific locations will be designated for collection of field duplicate samples prior to the beginning of sample collection. Control limits for evaluation of precision for field duplicates will be 40 percent for aqueous samples and 70 percent for soil/sediment samples.

2.8 Instrument/Equipment Testing, Inspection, and Maintenance

Field equipment testing (calibration) and inspection will be completed daily and documented on the daily calibration form. Field equipment maintenance will be completed on an as needed basis.

Maintenance responsibilities for laboratory instruments are assumed by the respective Laboratory Facility Manager. The managers then establish maintenance procedures and schedules for each major equipment item. This responsibility may be delegated to field or laboratory personnel, although the managers retain responsibility for ensuring adherence to the prescribed protocols. All field instrument/equipment will be inspected prior to the project initiation.

2.8.1 Maintenance Schedules

The effectiveness of any maintenance program depends to a large extent on adherence to specific maintenance schedules for each major equipment item. Other maintenance activities are conducted as needed. Manufacturers' recommendations provide the primary basis for the established maintenance schedules, and manufacturers' service contracts provide the primary maintenance for many major instruments.

2.8.2 Spare Parts

Along with a schedule for maintenance activities, an adequate inventory of spare parts is required to minimize equipment downtime. The inventory includes those parts (and supplies) that are subject to frequent failure, have limited useful lifetimes, or cannot be obtained in a timely manner should failure occur.

Field sampling task leaders and the respective laboratory managers are responsible for maintaining an adequate inventory of spare parts. In addition to spare parts and

supply inventories, the contractor shall maintain an in house source of backup equipment and instrumentation.

2.9 Instrument/Equipment Calibration and Frequency

Field equipment will be calibrated at the frequency recommended by the manufacturer's specifications and/or described by the analytical method.

Analytical instruments will be calibrated in accordance with the procedure specified in the analytical methods. All analytes that are reported shall be present in the initial and continuing calibrations, and these calibrations must meet the acceptance criteria specified in the analytical method. Records of standard preparation and instrument calibration will be maintained by the laboratory. Records shall unambiguously trace the preparation of standards and their use in calibration and quantitation of sample results. Instrument calibration will be checked using all of the analytes. All calibration criteria will satisfy SW-846 requirements at a minimum. The initial calibration will be checked at the frequency specified in the methods using materials prepared independently of the calibration standards.

2.10 Inspection/Acceptance of Supplies and Consumables

The laboratory will inspect supplies and consumables prior to their use in analysis. The materials description in the methods of analysis shall be used as a guideline for establishing the acceptance criteria for these materials. Introduction of interfering compounds into the analytical process will be monitored by analysis of method blanks. Purity and efficiency of reagents shall be monitored by analysis of LCSs. An inventory and storage system for these materials will assure use before manufacturers' expiration dates and storage under safe and chemically compatible conditions.

Sample containers will be laboratory supplied. All containers will be certified clean and the certificates will be retained by the laboratory. Containers are stored in clean areas to prevent exposure to fuels, solvents, and other contaminants.

2.11 Non-Direct Measurements

Non-direct measurement data will be entered into the project file. Data will be entered from forms, tables and data packages as presented in the documents/reports. All data entry will be peer reviewed prior to finalization.

2.12 Data Management

The data reduction, review, reporting, and validation procedures described in this section will ensure that (1) complete documentation is maintained, (2) transcription and data reduction errors are minimized, (3) the data are reviewed and documented, and (4) the reported results are qualified, as necessary. Laboratory data reduction and verification procedures are required to ensure that the overall objectives of analysis and reporting meet method and project specifications.

2.12.1 Electronic Data Management

Data management protocols track samples and results from work plan implementation to the final report. The field data include approved work planning tables, labels, field sampling forms, COC, and logbooks. Geographic coordinates will be generated for all sample locations in electronic format. The Field Operations Leader or designee will review all field data for accuracy. Field data will be collected using portable data acquisition (PDA) devices or manually entered into a database or spreadsheet.

The laboratory will provide an EDD for all analytical reports. The EDD will be in the format required for the project environmental database and include, at a minimum, the following information:

- Laboratory information – Laboratory name, client name, laboratory work order, client project number, and date received;
- Sample information – Laboratory project number, sample identification, laboratory sample identification, date sampled, time sampled, matrix;
- Analytical Data – Sample Delivery Group (SDG), test code, test name, analyte, analyte type, sample type, CAS number, date and time prepared, date and time analyzed, preparation batch identification, analytical batch identification, result, laboratory qualifier, MDL, RL, and dilution factor; and
- QC Data – All fields provided for analytical data will also be populated for method blanks, surrogates for all samples, LCS, MS/MSD, and laboratory replicates. QC sample data will also include QC Sample Type, recoveries, RPDs, control limits, and any associated qualifiers. Calibration data are not required.

The Project Chemist, Data Manager, or designee will review approximately 5 percent of electronic laboratory and field data to verify the results against the hard copy and check for transcription errors. A greater than 15 percent discrepancy rate in two consecutive datasets will require additional review and verification. Electronic data will match the hard copy data for all results. Significant figures and rounding routines may differ slightly based on the program utilized to generate hard copy reports and electronic files, but may not differ to the point of impacting data integrity or usability. The results will be transferred to a centralized database. The ARCADIS Data Manager or data validator will add any data qualifiers. The Data Manager will generate data tables for the project team as required. The Project Chemist and Site Manager will resolve discrepancies between the planned activities and actual data collected and document the findings in the data report. The central database will be stored in a secure area with access limited to data management specialists designated by the Project Manager. The central database will be electronically linked to a geographic information system/computer-aided design (GIS/CAD) systems, risk assessment programs, and other final data user models and statistical programs. Data users may enter additional electronic data such as risk-based criteria for comparison of the results. This data will be stored in separate tables in the database and linked to the actual results. Any data from outside sources will include a description of the data, a reference to the source, and the date updated. The outside data will be checked prior to use in order to verify that the most current values are used.

2.12.2 Field Data Review

All field data and the required forms will be reviewed by the author prior to submittal to the Site Manager or designee for review. Any field forms or documentation requiring amendments and/or corrections will be clearly documented on the corresponding day's field form or logs and initialed. Corrections will be made by a single line, followed by initials. The Site Manager or designee will verify the field review then submit the documents for data entry and/or retention in the project file.

2.12.3 Laboratory Data Review

The analytical laboratory will perform a series of internal reviews/audits prior to submittal of the final data package.

2.12.3.1 Laboratory Internal Review

In each laboratory analytical section, the analyst performing the tests shall review 100 percent of the data. After the analyst's review has been completed, 100 percent of the data shall be reviewed independently by a senior analyst or by the supervisor of the respective analytical section using the same criteria.

Data qualifiers shall be added by the laboratory supervisor of the respective analytical section, after the first and second level of laboratory data reviews have been performed. Analytical batch comments shall be added to the first page/Case Narrative of the data report packages to explain any non-conformance or other issues. When data are qualified, the laboratory supervisor shall apply a final qualifier to any data that have been affected by multiple qualifiers. This final qualifier shall reflect the most severe qualifier that was applied to the data, that is, all data will have only one data qualifying flag associate with it.

The laboratory QA section shall review 10 percent of the completed data packages, and the laboratory project manager shall perform a sanity check review on all the completed data packages. The laboratory shall apply appropriate data qualifying flags to any impacted field sample including field QC samples.

The laboratory will submit the analytical data package and EDD to ARCADIS via email and on compact disk. The analytical report will be complete and signed and submitted in portable document format (pdf). The EDD shall be prepared in accordance with the protocols defined by ARCADIS for input into the electronic data management system.

2.12.3.2 Analytical Report and Data Management

Upon submittal of the data package (report and EDD), the data will be logged in by the data manager as received and the EDD loaded into the project database. The Data Manager will forward the analytical data to the Project Chemist or designee for review and validation in accordance with Section 3 of this QAPP. The data package, at a minimum, will be reviewed to assure completeness and that the EDD matches the report. Once the analytical data package is determined to be final and complete and as validated, the data with any applicable data qualifiers will be added to the project database. Any data validation reports will be submitted to the Data Manager archiving with the analytical report. The data will then be available for distribution to the project team. Upon completion, the analytical data package, EDD, and validation report will be submitted to the project file.

2.12.4 Archiving

The laboratory shall maintain electronic and hardcopy records sufficient to re-create each analytical event conducted for a minimum of 6 years. Data will be accessible within 7 working days upon request. ARCADIS will retain the project files for at least 6 years.

3. Assessment and Oversight

3.1 Assessment and Response Actions

Assessment activities include management and assessments, technical systems audits, and performance evaluations. Management assessments include routinely scheduled meetings and conference calls to evaluate staff utilization. Assignment of qualified personnel to projects, maintenance of schedules and budgets, and quality of project deliverables are verified as part of these assessments. Performance evaluations are used to ensure that trained and qualified staff is utilized for the project. Technical assessment activities include peer review, data quality reviews, and technical system audits (i.e., laboratory and field). Technical systems audits include review and evaluation of field and laboratory performance to assess the implementation of quality programs and directives specifically for the project. Procedures for assessment and audit of data quality are described in Section 4 of this QAPP. Procedures for peer review and technical assessments are summarized briefly below. Both the overall and direct technical assessment activities may result in the need for corrective action. The procedure for corrective action response is summarized below.

3.1.1 Peer Review

All project deliverables including work plans, SAPs, draft and final reports, and technical memoranda will be peer reviewed by ARCADIS. The peer review process provides for a critical evaluation of the deliverable by an individual or team to determine whether the deliverable will meet the established criteria, DQOs, technical standards, and contractual obligations. The PM or APM will assign peer reviewers, depending on the nature and complexity of the project, when the publication schedule is established. The PM will be responsible for ensuring all peer reviewers participate in the review process and approve all final deliverables. The QA Manager is responsible for verifying that project documents were generated in accordance with the project requirements.

3.2 Corrective Action

Corrective actions will be implemented as necessary to insure that project activities are performed and data are generated in accordance with the project quality documents. In conjunction with the QA Manager and Project Chemist, the Project Manager and Site Managers are responsible for initiating and implementing corrective action in the field and in the office. The laboratory project manager, in conjunction with the laboratory technical staff and QA manager, is responsible for implementing corrective action in

the laboratory. It is the combined responsibility to insure that all analytical procedures are followed as specified and that the data generated meet the prescribed acceptance criteria. Specific corrective actions necessary will be clearly documented in the logbooks or analytical reports.

In all cases in which corrective actions of field procedures are required, a written report describing the nature of the problem, an evaluation of the cause, if known, and the action taken will be prepared by the ARCADIS Site Manager or the ARCADIS QAO. The report will be distributed to the ARCADIS PM, the ARCADIS QAO (if not preparing the report), and the ARCADIS Project Director.

Any corrective actions taken by the contract laboratory will be reported to the ARCADIS Project Chemist. The laboratory will include in each data package a discussion of the problems encountered and corrective actions taken. In addition, the laboratory will maintain a file that documents all corrective actions taken. Reports of corrective actions undertaken during laboratory analysis will be documented, as appropriate, in the Data Validation Report.

3.3 Performance and Data Quality Reports

Data Validation Reports - Data validation reports will be completed by the Project Chemist as soon as possible after receipt of the data from the laboratory (i.e., the goal is within 3 weeks). Impacts on the usability of the data will be tracked by adding qualifiers to individual data points as described in Section 4.

Serious analytical problems will be reported immediately to the ARCADIS Project Chemist by the laboratory PM. The ARCADIS Project Chemist will notify the ARCADIS Site Manager and PM to evaluate necessity for resampling or additional sample collection. Time and type of corrective action (if needed) will depend on the severity of the problem and will be related to overall project importance of the data points. Corrective actions may include altering procedures in the field, conducting an audit, resampling or modifying laboratory protocol.

Project Status Reports - Project status reports are completed by the PM to document the overall assessment of the project on a monthly basis. The Project Status Report tracks the overall quality of performance relative schedule, budgets and other issues.

4. Data Validation and Usability

The general procedures for data validation and usability are described below. These procedures will be adapted, if necessary, to meet project-specific or activity-specific requirements. Data validation and usability criteria set forth in this QAPP shall be followed unless otherwise amended in the SAPs or Work Plans which will address any modifications to data review criteria not included in this QAPP.

4.1 Data Review, Verification, and Validation

Data generated will be reviewed for conformance with the QAPP, SAP and other applicable work plans, as well as specific project requirements. QA information provided by the laboratory will be evaluated relative to the methods performed, the laboratory SOPs, the laboratory QAM, COC requests, Laboratory Task Orders (LTOs) or similar directive document, and this QAPP, as appropriate. The laboratory will be responsible for internal review of all calibrations, raw data, and calculations. The final analytical report will be reviewed by the laboratory PM and other appropriate laboratory management personnel for compliance with the above listed documents including peer and supervisory review prior to releasing data to ARCADIS.

The ARCADIS Project Chemist and data validation team will perform additional verification and validation of laboratory data to assess the quality and usability of the data generated. Field record review will include instrument calibration logs, sampling logs, COC records, field notes, and field parameter results. The field information assessment will evaluate the potential for impact to sample integrity and chemical data quality.

Chemical analytical data collected will be reviewed and, as appropriate, qualified using guidelines established in the USEPA National Functional Guidelines (NFGs) modified to incorporate method and project-specific requirements. The analytical data review will be performed under either of two levels: Tier 2 or Tier 3. The frequency and components included in each tier are defined in Sections 4.2.2.1 and 4.2.2.2.

4.2 Verification and Validation Methods

The data review scheme for analytical results from the receipt of the analytical data through the validated report is described below. The laboratory is responsible for performing internal data review. The data review by the analytical laboratory will include 100 percent analyst review, 100 percent peer review, and 100 percent review by the laboratory project manager to verify that all project-specific requirements are

met. The laboratory QA Officer will perform a review on 10 percent of the data packages. All levels of laboratory review will be fully documented and available for review if requested or if a laboratory audit is performed.

After receipt from the laboratory, project data will be verified and validated by ARCADIS or experienced contract personnel using the following steps.

4.2.1 Evaluation of Completeness

The Project Chemistry Team will verify the following report content for all data, as appropriate, for the required level of data validation:

- Laboratory information matches the field information;
- Fully executed COC records;
- Report completeness and conformance with COC, LTO, QAPP, Site-Specific Work Plan, and other project requirements;
- Case narrative describing any out-of-control events and summarizing analytical observation or non-conformances;
- Sample receipt information;
- Data report forms;
- QA/QC summary data;
- Initial and continuing calibration information (Tier 3 validation);
- Instrument tuning data (Tier 3 validation);
- Quantitation reports (Tier 3 validation);
- Batch and/or run logs (Tier 3 validation);
- Chromatograms (Tier 3 validation); and
- Documentation of any QC problems.

If the data package is incomplete, the Project Chemist will contact the laboratory, which must provide all missing information within a reasonable timeframe (i.e., 1 to 2 days).

4.2.2 Evaluation of Compliance

The data validation procedures are briefly outlined below:

- Electronic checking routines (Tier I validation) will be utilized to check 100 percent of the field and laboratory QC data (LCS, MS/MSD, blanks) to verify that holding times and acceptance and performance criteria were met and to note any anomalous values. Appropriate data qualifiers (Section 4.3) will be applied to the data where deficiencies are identified;

- All chemistry data generated with the exception of waste characterization, storm water discharge, and remedial system operational monitoring will undergo a Tier 2 validation. Initially, one SDG for each matrix will undergo the detailed Tier 3 validation to ensure laboratory performance;

- All data will be checked to ensure all analytical problems and corrections are reported in the case narrative and that appropriate laboratory qualifiers are added; and

- For any problems identified, review concerns with the laboratory, obtain additional information if necessary, and check all related data to determine the extent of the error. Data qualifiers will be applied to the analytical results to indicate potential limitations on data usability.

The data validation team will follow qualification guidelines in USEPA *Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, EPA 540/R-99/008, October 1999; USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540/R-01/008, July 2002; USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540/R-04/004, October 2004; Laboratory QAM; Laboratory Methods; and the QAPP with performance criteria based on the published analytical methods and laboratory established control limits.

4.2.2.1 Tier 2 Verification

Tier 2 data verification includes a review of all sample documentation coupled with electronic data screening and manual review. The analytical report will be assessed for completeness and for compliance with COC requests, LTO, SAP, and any additional work plan documents. The electronic data compliance will be conducted utilizing the EQuIS Data Qualification Module (DQM), a module within the Earthsoft suite of environmental data management products. All analytical data will be managed within

the EQuIS Chemistry database via electronic uploading of laboratory data. The DQM is written in Visual Basic for the EQuIS database and checks for the following parameters:

- Blank contamination;
- MS and MSD recoveries;
- MS/MSD RPD;
- LCS and LCSD recoveries;
- LCS/LCSD RPDs (when available);
- Surrogate recoveries;
- Field duplicate RPDs; and
- Holding times.

The DQM routines apply appropriate qualifiers to the data. Select manual reviews will verify appropriate qualifier application. Data Qualifiers will not be manually applied to original hard copy analytical reports. The validation reports will be included with any submittal of analytical reports to agencies or other required party

4.2.2.2 Tier 3 Validation

One SDG for each matrix collected during the initial phases of the project will undergo a detail data validation which will include the complete Tier 2 assessment and review of the additional following information relative to target compounds/analytes:

- Instrument tune;
- Initial calibration;
- Continuing calibration;
- Interference check standards (metals only);
- Serial dilutions (metals only);
- Quantitation reports;

- Internal standard area (organics only);
- Retention times (as applicable by method);
- Chromatograms (as applicable by method);
- Ion spectra for compound identification;
- Data transcription from instrument report to hard copy report; and
- A subset of calculations will be verified for each sample.

4.2.3 Data Validation Reporting

The Project Chemist will perform the following reporting functions:

- Alert the QA Manager and the Site Manager to any QC problems, obvious anomalous values, or discrepancies between the field and laboratory data and resolve any issues;
- Discuss QC problems in a data validation memo for each laboratory report;
- Review the laboratory EDD and electronic field data, enter the data qualifiers into the database, and oversee preparation of analytical data summary tables. The tables will summarize those samples and analytes for which detectable concentrations were exhibited as well as complete analytical summary tables. The tables will include field QC samples; and
- Prepare a summary of the quality control information at the completion of all field and laboratory efforts for the site. The report will summarize planned versus actual field and laboratory activities and data usability concerns.

The Project or Task Manager provides the final Data Quality Assessment during the technical review of the data report.

4.2.4 Validation Reports

Reports will be generated for each data package or combination of data packages for a single sampling event to record the results of the validation effort. The reports will identify all deficiencies and the impact on the results. The data validator or the Database Manager will append qualifiers generated during the verification/validation

process to the EQuIS database and a summary table of the data qualifiers will be included with the analytical report.

4.3 Reconciliation with Data Usability Requirements

For routine assessments of data quality, ARCADIS will implement the data verification/validation procedures described in Section 4.2 and assign appropriate data qualifiers to indicate limitations on the data. The Project Chemist will be responsible for evaluating precision, accuracy, representativeness, comparability, and completeness of the data using procedures described in Section 1.4. Any deviations from the analytical DQOs for the project will be documented in the data verification/validation memo and provided to the data users for the project. The Project Chemist will work with the final users of the data in performing data quality assessments. The data quality assessment may include some or all the following steps:

- Data that are determined to be incomplete or not usable for the project will be discussed with the project team. If critical data points are involved which impact the ability to complete the project objectives, the data users will report immediately to the Site Manager. The Site Manager will discuss the resolution of the issue with the ARCADIS Project Manager and implement the necessary corrective actions (for example, resampling);

- Data that are non-detect but have RLs elevated due to blank contamination or matrix interference will be compared to screening values (see Appendices B and C). If RLs exceed the screening values, then the results will be handled as appropriate for data use; and

- Data qualified as estimated will be utilized if it is determined that the data are useable for their intended purpose. If an estimated result is close to a screening value, then there is uncertainty in any conclusions as to whether the result exceeds the screening value. The data user must evaluate the potential uncertainty in developing recommendations for the site. If estimated results become critical data points in making final decisions on the site, the Site Manager should evaluate the use of the results and may consider the data point incomplete.

In the validation process there are two types of data validation codes that may be applied, those related to identification (confidence concerning the presence or absence of compounds) and those related to quantitation. Each of the standard data validation codes is defined below:

R	Data point is unusable due to serious deficiencies in analytical and QC criteria. The presence or absence of the analyte/compound cannot be verified
UB	Not detected substantially above the level reported in laboratory or field blanks. For organics - 5X (10X for common lab contaminants) or for metals - 10X. Data point considered non-detect at the value qualified.
U	Analyte/Compound not detected. The associated value indicates the concentration above which the result would be considered a quantitative value.
J	Reported value is considered an approximate concentration.
UJ	Analyte/compound not detected above the quantitation limit. However, the reported quantitation limit is approximate.

The ultimate data assessment process involves comparing analytical results to screening values and background concentrations to determine whether the contamination present is site related (i.e., above background levels) or significant (i.e., above screening values). Additional data assessment may be performed on site-by-site basis. Any additional procedures for data quality assessment will be provided in the OU-Specific Work Plan.

5. References

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ARCADIS

Tables

Table 1: ARCADIS Technical Team Contact Information

Name and Contact Information	Telephone/E-Mail	Project Function
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Kurt Beil ARCADIS U.S., Inc. 6 Terry Drive Suite 300 Newtown, PA 18940	Phone: 267-685-1800 Cell: 215-680-2310 kurt.beil@arcadis-us.com	ARCADIS QA Manager
Scott Bostian, P.E. ARCADIS U.S., Inc. 801 Corporate Center Dr., Suite 300 Raleigh, NC 26707	Phone: 919-854-1282 Cell: 919-417-2643 curtis.bostian@arcadis-us.com	ARCADIS Site Manager
Andrew Davis ARCADIS U.S., inc. 30 Patewood Dr. ,Suite 155 Greenville, SC 29615	Phone: 864-987-3917 Cell: 864-561-5833 andrew.davis@arcadis-us.com	ARCADIS Site Manager
Jane Kennedy ARCADIS U.S., Inc. 3850 N. Causeway Blvd. Metairie, LA 70002	Phone: 504-832-4174 ext 106 Cell: 225-205-8256 jane.kennedy@arcadis-us.com	ARCADIS Project Chemist
Sam Moyers ARCADIS U.S., Inc. 114 Lovell Rd., Suite 202 Knoxville, TN	Phone: 865-675-6700 Cell: 865-621-2117 sam.moyers@arcadis-us.com	ARCADIS Health and Safety Manager
Janet Christy ARCADIS U.S., Inc. 6 Terry Drive, Suite 300 Newtown, PA 18940	Phone: 864-906-5001 Cell: 864-906-5001 janet.christy @arcadis-us.com	ARCADIS Database Manager

Table A-2. Data Quality Objectives for Site Characterization.

Data Quality Objective	Project Specific Action
Problem statement	Historical activities have contributed to environmental impacts to surface and subsurface soil, surface water and groundwater at the military facilities. The project goals include delineation of environmental impacts and achieving remedy in place or response complete in accordance with the timeline set forth in the performance based contract. To achieve these goals, characterization activities shall be performed in accordance with the sampling and analysis plans, implementation of remedial actions, monitoring of remedial performance, and confirmation of attainment of clean-up goals.
Identify the decisions	• Do constituent concentrations exceed the screening criteria? • Has the Site been delineated? • What remedial system will be used to reduce constituent concentrations? • Does the remedial system meet the performance goals?
Identify the inputs to the decision	• Complete additional delineation sampling and compare identified CoC data to screening levels; and define extent of contamination. • Design and implement remedial systems • Monitor remedial system performance • Confirm reduction in contaminant levels to below clean-up goals.
Develop the decision rule	• If soil and groundwater quality data indicate concentrations above screening levels, the affected media will be addressed by additional site investigation to delineate the nature and extent of impact to the affected media. • When the Site is delineated, the soil and groundwater quality data will be evaluated to determine if an active remediation is required to reduce the concentrations below the clean-up goals. • If the remedial system does not meet the performance goals, modifications to the existing system and/or an additional or alternative remedial system will be implemented.
Specify limits on decision errors	Data quality and usability will be determined in accordance with the criteria set forth in the QAPP. Rejected data will not be used for decision-making purposes.

CoC Constituent of Concern.
QAPP Quality Assurance Project Plan.

Table A-3 Statistical Calculations

Statistical	Symbol	Formula	Definition	Uses
Mean	X	$\frac{\left(\sum_{i=1}^{\eta} x_i\right)}{n}$	Measure of central tendency	
Standard Deviation	S	$S_x = \left(\frac{n\Sigma\chi 2 - (\Sigma\chi)^2}{n(n-1)}\right)^{1/2}$	Measure of relative scatter of the data	
Relative Standard Deviation		$(S / \overline{X}) \times 100$	Relative standard deviation, adjusts for magnitude of observations	Used to assess precision for replicate results
Pooled RSD	RSD_p	$\left(\frac{\sum_{i=1}^{\eta} (RSDi)^2 \, df\, i}{\sum_{i=1}^{\eta} dfi}\right)^{1/2}$	Measure of overall variability of a series	Used to assess overall performance for compounds with multiple measurements
Relative Percent Difference	RPD	$\left(\frac{(X_1 - X_2)}{(X_1 + X_2)/2}\right) \times 100$	Measure of variability that adjusts for the magnitude of observations	Used when there are only two observations; mathematically related to RSD

Table A-3 Statistical Calculations

Statistical	Symbol	Formula	Definition	Uses
Average Relative Percent Difference	RPD	$\frac{\text{RPD}}{n}$	Average relative percent difference - analogous to pooled RSD for duplicate measurements	Used to assess overall performance for compounds with multiple measurements
Confidence Interval	CI	$\frac{X \pm t\langle \alpha, n-1 \rangle^{S}}{n^{1/2}}$	Interval about X that contains the true value, with probability α	Assign intervals or error bars to measurement data
Percent Recovery	R	$\left(\frac{X_{meas}}{X_{true}}\right) \times 100$	Recovery of spiked compound in pure matrix	Recovery of Quality Control check sample, method spikes
Percent Recovery	R	$\frac{\begin{pmatrix}\text{value of} & \text{value of}\\ \text{spiked} & \text{unspiked}\\ \text{sample} & \text{sample}\end{pmatrix}}{\text{Value of added spike}} \times 100$	Recovery of spiked compound in sample matrix	Matrix spike and matrix spike/matrix spike duplicate recovery

X = Observation (concentration)
n = Number of observations
df = Degrees of freedom, usually
t = Statistical from students' "t" distribution

Table A-4. Field Quality Control Sample Collection Guidelines.

QC Sample	Description
Field Duplicate	One per matrix per 20 samples for each analysis.
Equipment Rinsate Blank	One per equipment set per 20 samples collected for each analysis. Only equipment sets that are dedicated or disposed of do not require equipment blanks.
Trip Blank	One per shipment for each cooler in which samples for volatile analysis are shipped. Trip blanks are analyzed for all volatile methods designated for the samples. Trip blanks are shipped for both solid and aqueous matrices.
Field Blank	One per 20 samples collected for each analysis if/when field conditions warrant evaluation of air borne contaminants. Collection decision by the Site Manager.

Field Analyses Data Quality Objectives

Parameter	Method	Precision	Accuracy % Recovery	Completeness %
pH	150.1	0.05 units	$\pm$0.2 units	95
Conductivity	120.1	7.6 umhos/cm	$\pm$2%	95
Temperature	--	0.1^{o}C	$\pm$2^{o}C	95

Calibration Frequency

Analysis	Initial Calibration	Calibration Check	Sample Duplicate
pH	Daily	Every 4 Hours	Daily
Conductivity	Daily	Every 4 Hours	Daily
Turbidity	Daily	Every 4 Hours	Daily

QA Quality Assurance
umhos/cm micromhos per centimeter

Table A-5. Summary of Methods, Containers, Preservatives, and Holding Times.

Parameter	Matrix	Preparation Method	Analytical Method [a]	Container [b]	Preservative	Holding Time [c]
Organic and Metals Methods						
VOCs	Water	5030, 5032	8260	4 x 40-mL vial with Teflon-lined septum	pH < 2 with HCl, Cool 4°C	14 days
	Water	5030, 5032	8260	4 x 40-mL vial with Teflon-lined septum	If effervescence is observed, eliminate HCl preservative and Cool 4°C	7 days
	Solid	5035	8260	3 x Encore™ OR 2 x Sodium Bisulfate vial and 1 x Methanol vial	Cool 4°C	48 hours to preservation for Encore™, then 14 days to analysis
SVOCs	Water	3510, 3520 [d]	8270 (Low Level)	2 x 1-L amber G	Cool 4°C [e]	7 days to extraction and 40 days to analysis
	Solid	3540, 3550 [d]	8270 (Low Level)	1 x 4-oz or 8-oz G	Cool 4°C	14 days to extraction and 40 days to analysis
PAHs	Water	3510, 3520 [d]	8270 SIM)	2 x 1-L amber G	Cool 4°C [e]	7 days to extraction and 40 days to analysis
	Solid	3540, 3525 [d]	8270 SIM	2 x 1-L amber G	Cool 4°C [e]	7 days to extraction and 40 days to analysis
Organochlorine Pesticides	Water	3510, 3520 [d]	8081/608	2 x 1-L amber G	Cool 4°C [e]	7 days to extraction and 40 days to analysis
	Solid	3540, 3550 [d]	8081	1 x 4-oz or 8-oz G	Cool 4°C	14 days to extraction and 40 days to analysis
Organochlorine Herbicides	Water	8151 [d]	8151	2 x 1-L amber G	Cool 4°C [e]	7 days to extraction and 40 days to analysis
	Solid	8151 [d]	8151	1 x 4-oz or 8-oz G	Cool 4°C	14 days to extraction and 40 days to analysis
Metals (except Mercury)	Water	3005, 3010	6010/6020	1 x 500mL HDPE	pH < 2 with HNO_3, Cool 4°C	6 months
	Solid	3050, 3051	6010	1 x 8-oz G	Cool 4°C	6 months
Mercury	Water	NA	7470	1 x 500mL HDPE	pH < 2 with HNO_3, Cool 4°C	28 days
	Solid	NA	7471	1 x 8-oz G	Cool 4°C	28 days

Table A-5. Summary of Methods, Containers, Preservatives, and Holding Times.

Parameter	Matrix	Preparation Method	Analytical Method [a]	Container [b]	Preservative	Holding Time [c]
Total Petroleum Hydrocarbons as GRO	Water	5030, 5032	8015 Modified	4 x 40-mL vial with Teflon-lined septum	pH < 2 with HCl, Cool 4°C	14 days
	Solid	5035	8015 Modified	3 x Encore™ OR 2 x Sodium Bisulfate vial and 1 x Methanol vial	Cool 4°C	48 hours to preservation for Encore™, then 14 days to analysis
Total Petroleum Hydrocarbons as DRO/ORO	Water	3510, 3520 [d]	8015 Modified	2 x 1-L amber G	Cool 4°C [e]	7 days to extraction and 40 days to analysis
	Solid	3540, 3550 [d]	8015 Modified	1 x 4-oz or 8-oz G	Cool 4°C	14 days to extraction and 40 days to analysis
Waste Characterization Parameters						
TCLP Metals [f] (including Mercury)	Solid Waste Material	1311 for Leach/ 3005, 3010	6010 and 7470 (for Leachate)	1 x 8-oz wide-mouth G	Cool 4°C	28 days from collection to Leach; 28 days to analysis of Leachate
TCLP VOCs [f]	Solid Waste Material	1311 for Leach/ 5030	8260 for Leachate	1 x 4-oz G packed full	Cool 4°C	14 days from collection to Leach; 14 days to analysis of Leachate when preserved with HCl to pH < 2
TCLP SVOCs [f]	Solid Waste Material	1311 for Leach/ 3510, 3520	8270 for Leachate	1 x 8-oz wide-mouth G	Cool 4°C	14 days from collection to Leach; 40 days to analysis of Leachate
TCLP Pesticides [f]	Solid Waste Material	1311 for Leach/ 3510, 3520	8081 for Leachate	1 x 8-oz wide-mouth G	Cool 4°C	14 days from collection to Leach; 40 days to analysis of Leachate
TCLP Herbicides [f]	Solid Waste Material	1311 for Leach/ 8151	8151 for Leachate	1 x 8-oz wide-mouth G	Cool 4°C	14 days from collection to Leach; 40 days to analysis of Leachate
Ignitability	Aqueous Waste	NA	1010	500 mL G	NA	NA
	Solid Waste Material	NA	ASTM D-92	1 x 8-oz wide-mouth G	NA	NA

Table A-5. Summary of Methods, Containers, Preservatives, and Holding Times.

Parameter	Matrix	Preparation Method	Analytical Method [a]	Container [b]	Preservative	Holding Time [c]
Reactivity	Aqueous Waste	NA	USEPA Region 4 Guidance for Sulfide	500 mL HDPE	pH > 9 with 2 mL ZnAc and NaOH, Cool 4°C	7 days
	Aqueous Waste	NA	9010/9012/9014 for Cyanide	1 x 120 mL HDPE	pH > 12 with NaOH	14 days
	Solid Waste Material	NA	USEPA Region 4 Guidance for Sulfide	1 x 8-oz wide-mouth G	Cool 4°C	7 days
	Solid Waste Material	NA	9010/9012/9014 for Cyanide	1 x 1-L HDPE	Cool 4°C	Sulfide 7 days
Corrosivity (pH)	Aqueous Waste	NA	9040	120 mL HDPE	NA	24 hours
	Solid Waste Material	NA	9045	1 x 8-oz wide-mouth G	NA	24 hours
General Chemistry Parameters						
Alkalinity	Water	NA	SM 2320 B	500 mL HDPE	Cool 4°C	14 days
Ammonia	Water	NA	SM 4500-NH3 D	500 mL HDPE	pH < 2 with H_2SO_4, Cool 4°C	28 days
Biochemical Oxygen Demand (BOD)	Water	NA	405.1	1 x 1-L HDPE	Cool 4°C	48 hours
Chloride	Water	NA	SM4500-CL/300.0/9056	500 mL HDPE/ 2 x 40 mL vial	Cool 4°C	28 days
Cyanide	Water	NA	9010/9012/9014	1 x 120 mL HDPE	pH > 12 with NaOH, Cool °4C	14 days
	Solid	NA	9010/9012/9014	1 x 4-oz or 8-oz G	Cool 4°C	14 days
Hardness	Water	NA	SM 2340B/6010	500 mL HDPE	Cool 4°C for 130.2/ pH < 2 with HNO_3, Cool 4°C for 6010	6 months
Nitrate	Water	NA	353.2/300.0/9056	120 mL HDPE/	Cool 4°C	2 days
Nitrite	Water	NA	353.2/300.0/9056	120 mL HDPE/	Cool 4°C	2 days
Nitrate/Nitrite	Water	NA	353.2	500 mL HDPE	pH < 2 with H_2SO_4	28 days

Table A-5. Summary of Methods, Containers, Preservatives, and Holding Times.

Parameter	Matrix	Preparation Method	Analytical Method [(a)]	Container [(b)]	Preservative	Holding Time [(c)]
Phosphate	Water	NA	365.3/300.0/9056	500 mL HDPE/ 2 x 40 mL vial	pH < 2 with H_2SO_4	28 days
Sulfate	Water	NA	ASTM 516-90/300.0/9056	500 mL HDPE/ 2 x 40 mL vial	Cool 4°C	28 days
Sulfide	Water	NA	SM 4500-SULFIDE	1-L HDPE	2 mL ZnAc and NaOH to pH > 9, Cool 4°C	7 days
Total Dissolved Solids (TDS)	Water	NA	SM 2540C	500 mL HDPE	Cool 4°C	7 days
Total Suspended Solids (TSS)	Water	NA	SM 2540D	1-L HDPE	Cool 4°C	7 days
Total Organic Carbon (TOC)	Water	NA	415.2/9060	500 mL HDPE	pH < 2 with HCl or H_2SO_4, Cool 4°C	28 days
Dissolved Organic Carbon (DOC)	Water	NA	415.2/9060	500 mL HDPE	AFTER FILTRATION: pH < 2 with HCl or H_2SO_4, Cool 4°C	28 days
Chemical Oxygen Demand	Water	NA	410.4	500 mL HDPE	pH <2 with H_2SO_4	28 days

(a) The 8000 series methods will be used for assessment and remediation; the 600 series methods will be used only for wastewater.
(b) Sample volumes may be combined for parameters where preservatives are the same and adequate sample volume is supplied to the laboratory. Volumes listed are based on sample containers and not minimum volumes required for some of the General Chemistry Parameters listed. All other volumes are minimum volumes required to be submitted to the laboratory.
(c) Maximum holding time allowed from date of collection.
(d) Cleanup methods may be applicable if matrix interference is encountered. Cleanup methods may include alumina (Method 3610), florisil (Method 3620), silica gel (Method 3630), gel permeation chromatography (GPC) (Method 3640), and sulfur (Method 3660). Selection of appropriate method is based on nature of interference and target compounds.
(e) If residual chlorine is present, requires sodium thiosulfate in each sample container.
(f) Waste Characterization addresses solid (soils, drilling mud) material analysis for waste disposal purposes. Liquid (aqueous or organic) wastes will be characterized using the appropriate methods for determination of total constituent concentrations in accordance with waste disposal requirements under the Resource Conservation and Recovery Act (RCRA). TCLP analyses will be performed as required on wastes containing > 0.5% solids in accordance with RCRA waste characterization and disposal requirements.

°C – Degrees Centigrade.
DRO – Diesel Range Organics
GRO – Gasoline Range Organics
H_2SO_4 – Sulfuric acid.
HCl – Hydrochloric acid.
HDPE – High Density Polyethylene.
HNO_3 – Nitric acid.
L – Liter.
mL – Milliliter.

NA – Not Applicable.
NaOH – Sodium hydroxide.
ORO – Oil Range Organics
PAHs – Polycyclic Aromatic Hydrocarbons
SVOCs – Semivolatile Organic Compounds.
TAL – Target Analyte List.
TCL – Target Compound List.
TCLP – Toxicity Characteristic Leaching Procedure.
VOCs – Volatile Organic Compounds.
ZnAc – Zinc acetate.

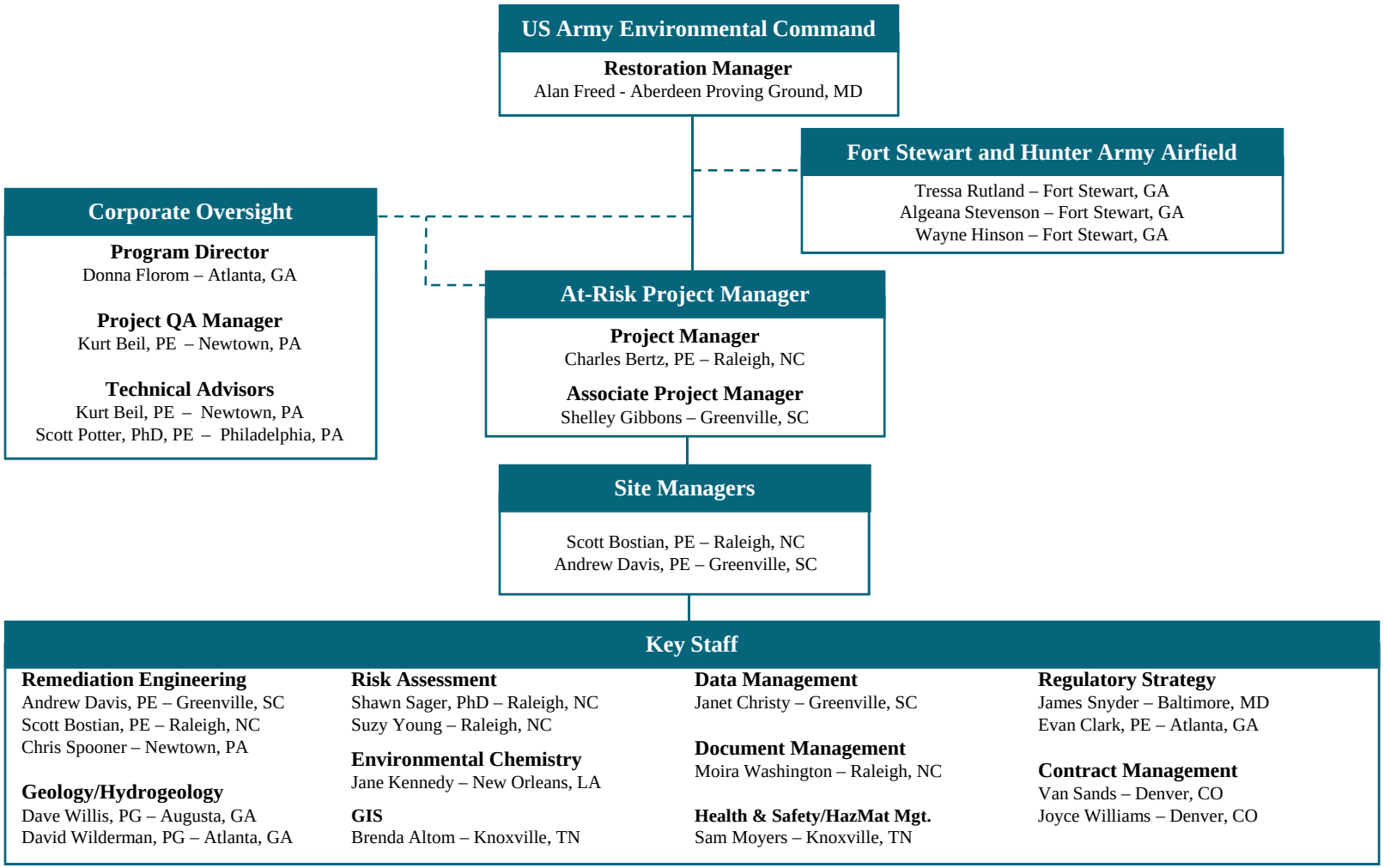
Table A-6. Laboratory Quality Control Sample Analysis Guidelines.

QC Sample	Description
Method Blank	One per matrix per preparation batch for each analysis.
Lab Replicate	One per matrix per preparation batch for each analysis.
Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD)	One LCS per matrix per preparation batch for each analysis. LCSD performance is optional.
Surrogate Spiking	All samples analyzed for organic methods as method and Standard Operating Procedure (SOP) appropriate.
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One pair per matrix per preparation batch for each analysis. The spike solution will contain a broad range of the analytes of concern, but may not contain all due to incompatibility, interaction, breakdown, availability, or multi-component compounds. The overall frequency of MS/MSD on the project samples must be at least 1 set per 20 samples.

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Figures

Figure A-1
Project Organization
Environmental Restoration PBA
Fort Stewart and Hunter Army Airfield
Georgia



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Appendix B

Field Forms

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Utilities and Structures Checklist

Project: Fort Stewart / Hunter Army Airfield

Prepared By:

Location:

Date:

Instructions: This checklist must be completed by an ARCADIS staff member as a safety measure to insure that all underground utility lines, other underground structures, as well as aboveground power lines are clearly marked out in the area selected for boring or excavation. **DRILLING OR EXCAVATION WORK MAY NOT PROCEED UNTIL LINES ARE MARKED AND THIS CHECKLIST HAS BEEN COMPLETED.** Arrangements for underground utility markouts are best made at the time of the preliminary site visit to allow client and/or utility company sufficient time. Keep completed checklist and maps onsite; send copy to Project Manager.

Assignment of Responsibility: ARCADIS is responsible for having underground utilities and structures located and marked. Preferably, the utilities themselves should mark out the lines.

Emergency Procedures: Follow emergency procedures outlined in site-specific Health and Safety Plan.

Utilities and Structures

Type	Not Present	Present	How Marked? (flags, paint, wooden stakes, etc.)
Natural Gas Line			
Electric Power Line			
Telephone Cable			
Sewer Line			
Storm Drain			
Water Line			
Steam Line			
Petroleum Product Lines			
Product Tank			
Septic Tank/Drain Field			
Overhead Power Line			

Name and Affliation of person who marked or cleared underground lines or structures

ORGANIZATION	NAME	PHONE

Comments:

ARCADIS

Location Sketch

Well(s) _____ Project No. GP08HAFS Page _____ of _____

Site Location _____

Prepared by _____

(Locate all wells, borings, etc. with reference to three permanent reference points: tape all distances: clearly label all wells, roads, and permanent features)





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Boring/Well Construction Log

JOB NUMBER	CLIENT	LOCATION	WELL NO.	PAGE 1 OF ____	WELL LOCATION
GP08HAFS	Fort Stewart / HAAF				N

DRILLING METHOD	SAMPLING METHOD
DRILLING START / FINISH	DEVELOP START / FINISH
STATIC DTW / DTO TIME / DATE	DRILLED BY
ELEVATION TOC / GL	LOGGED BY

WELL CONSTRUCTION	DEPTH FEET	CLASS	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS.	M.C.	PID/FID (PPM)	SAMPLE NO.	SAMPLE DEPTH	BLOWS	RECOV %	TYPE
	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											

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Boring/Well Construction Log

JOB NUMBER	CLIENT	LOCATION	WELL NO.	PAGE 1 OF ____	WELL LOCATION
GP08HAFS	Fort Stewart / HAAF				N

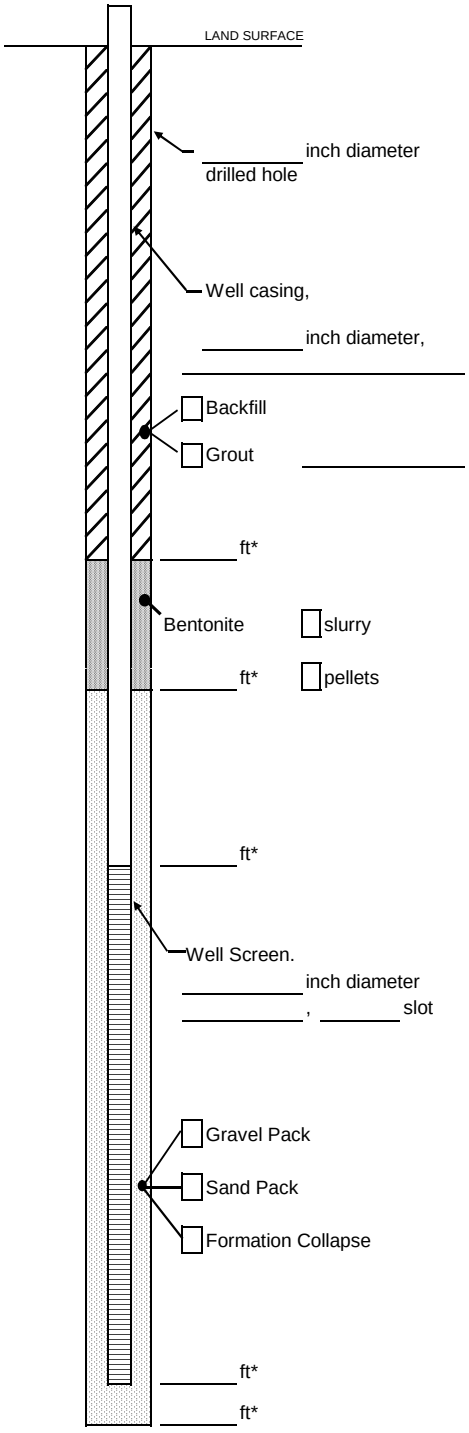
DRILLING METHOD	SAMPLING METHOD
DRILLING START / FINISH	DEVELOP START / FINISH
STATIC DTW / DTO TIME / DATE	DRILLED BY
ELEVATION TOC / GL	LOGGED BY

WELL CONSTRUCTION	DEPTH FEET	CLASS	NAME	COLOR	DESCRIPTION: GRADATION, SECONDARY CHARACTERISTICS, ODOR, REMARKS.	M.C.	PID/FID (PPM)	SAMPLE NO.	SAMPLE DEPTH	BLOWS	RECOV %	TYPE
	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											

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Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project GP08HAFS Well _____

Town/City _____

County _____ State GA

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) _____

Drilling Method _____

Drilling Contractor _____

Drilling Fluid _____

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P..

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

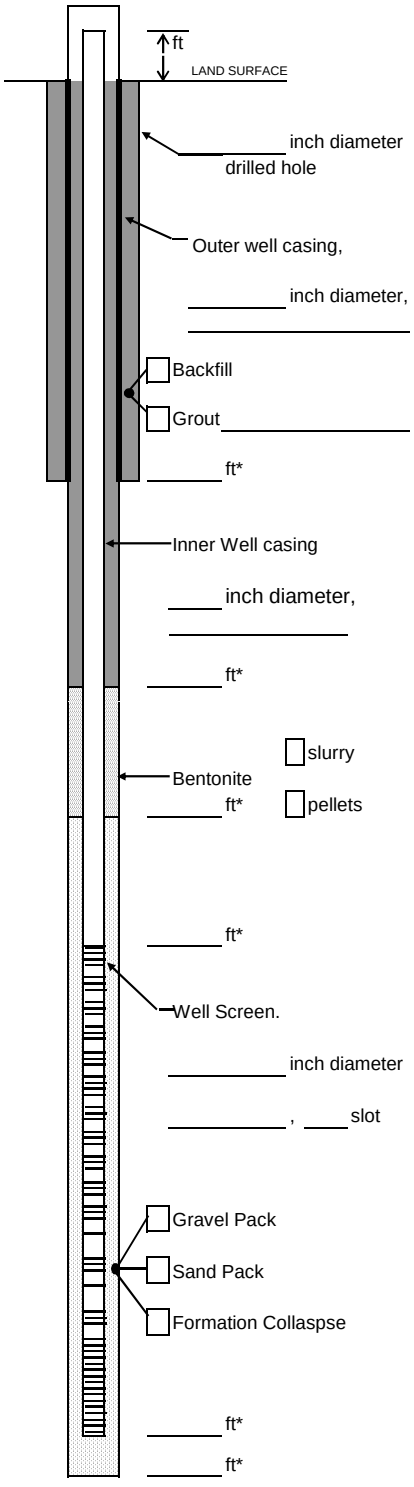
Well Purpose Monitoring

Remarks _____

Prepared by _____

ARCADIS

WELL CONSTRUCTION LOG- TELESCOPING



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project _____ Well _____

Town/City _____

County _____ State _____

Permit No. _____

Land-Surface Elevation and Datum:

_____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) _____

Drilling Method _____

Drilling Contractor _____

Drilling Fluid _____

_____

Development Technique(s) and Date(s)

_____

_____

_____

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose _____

_____

_____

Remarks _____

_____

_____

_____

_____

Prepared by _____

ARCADIS
Well Development Form

Page ____ of ____

Project/No. GP08HAFS
Fort Stewart/HAAF

Well ID _____

Date _____

Screened Interval _____

Measuring Point Description _____

Well Materials: ____ PVC ____ St. Steel

Static Water Level _____

Casing Diameter (in) _____

Pump On _____

Pump Off _____

Total depth _____

Boring Diameter (in) _____

Pump Intake _____

Water Column _____

Development Method:

Volume Purged (g) _____

Gallons Per Foot _____

Centrifugal _____
Submersible _____
Surge Block _____
Bailed _____
Other _____

Development Criteria: X Boring Vol. ____ Casing Vol. X Parameters

Gallons in Casing/Boring _____

Developed By: _____

Time	Minutes Relapsed	Rate (gpm) or (ML)	DTW (ft)	Gallons Purged	pH	Cond. (umhos) (ms/cm)	Turb (NTUs)	Redox (mV)	Diss. O2 (mg/L)	TEMP. (C) or (F)	Remarks

Boring/Casing Volumes
2" = 0.16 3" = 0.37 4" = 0.65 6" = 1.47 8" = 2.61 10 " = 4.08 12" = 5.88

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Geoprobe Groundwater Sampling Form

Project No. GP08HAFS **Boring ID:** **DP-**

Site Location: Fort Stewart / Hunter Army Airfield Date Sampled

Site Description

Weather

Duplicate/QA/QC:

Purging/Sample Collection Information

Casing Material: St. Steel Geoprobe rods Purge Method:(circle one) Bailer Peristaltic Check Valve

Casing Diameter: Geoprobe rods Sample Method: (circle one) Slotted Rods Retractable Screen

Sample ID Boring ID-GW (depth)	Sample Time	Water Column	Gallons/ Foot	Volume Purged	Turbidity	Color	Odor	Lab	Other

Lab Analysis

Constituents Sampled	Container Description	Preservative

Remarks

Sample Personnel

Purge volume = Water Column (ft) x 0.02

Water Column = Sample Depth - Depth to Water

WELL SAMPLING SUMMARY

ARCADIS Project Number: GP08HAFS *Project Name: Fort Stewart / HAAF* *Sampler:*		*Collection Date (mm/dd/yy)*	*Collection Time (hr.min)*	*Initial Depth to Water (ft btoc)*	*Well Volume (gallons)*	*Total Depth (ft)*	*Total Volume Removed (gallons)*	*Final*							*Comment*
Sample ID	*Location ID*							*pH*	*Cond. (umhos)*	*Temp. (oC)*	*Turb. (NTU)*	*ORP*	*DO*	*TDS*	

( ) = Enter the collection date within the parenthesis (ie. 011904)

ARCADIS

Water Level Measurement Form

Project No: GP08HAFS
Location: Fort Stewart / Hunter Army Airfield

Date: _____
Recorded By: _____

Well Number	Time	TOC Elevation (ft)	Static Depth to Water (ft btoc)	Duplicate Reading (ft btoc)	GW Elevation (ft msl)	Total Depth (ft btoc)	Comments

ft btoc Feet below top of casing.

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WATER LEVEL/PUMPING TEST RECORD

PROJECT _____ WELL _____ SITE _____

SCREEN SETTING _____ MEASURING POINT DESCRIPTION _____ HEIGHT ABOVE GROUND SURFACE _____

STATIC WATER LEVEL _____ MEASURED WITH _____ DATE/TIME _____

DRAWDOWN _____ START OF TEST _____ PUMPING WELL _____

RECOVERY _____ END OF TEST _____

DISTANCE FROM WELL MEASURED TO PUMPING WELL [r] _____ DISCHARGE RATE _____ ORIFICE _____

DATE & TIME	WELL OR t (mins)	HELD (ft)	WET (ft)	DEPTH TO WATER (ft)	s (ft)	DEW. [1] CORR. (ft)	ART.[2] s' (ft)	Q (gpm)	MANO-METER (in)	REMARKS [3]

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WATER LEVEL/PUMPING TEST RECORD

PROJECT _____ WELL _____ SITE _____

DATE & TIME	WELL OR t (mins)	HELD (ft)	WET (ft)	DEPTH TO WATER (ft)	s (ft)	DEW. [1] CORR. (ft)	ART.[2] s' (ft)	Q (gpm)	MANO-METER (in)	REMARKS [3]

Sample Key

				Analysis/Parameters																					
ARCADIS Project Number: GP08HAFS				Lab																Field					
Project Name: Fort Stewart / Hunter Army Airfield																									
Sampler:																									
Laboratory:																									
Sample ID	**Location ID**	**Collection Date (mm/dd/yy)**	**Collection Time (hr:min)**	*TOC (9060)*	*Aluminum (6010B)*	*Metals (App IX) (6010B)*	*SVOCs (8270C)*	*VOCs (8260B)*	*Alkalinity (310.1)*	*Pesticides (8081A)*	*Hex Chrome (7196A)*	*Total Iron (6010)*	*Carbon Dioxide (AM20G)*	*Sulfate (9056)*	*Nitrate and Nitrite (9056)*	*Chlorides (9056)*	*Methane, Ethane, and Ethene (AM20G)*	*pH*	*DO,ORP,temp., turbidity, conductivity*	**Sample Type**	**Matrix Code**	**Location Description**	**Chain of Custody**	**Parent Sample ID**	**Comment**

( ) = Enter the collection date within the parenthesis (ie. 011904)

* If more than one TB is colleced in one day then name the Trip Blanks sequentially (ie. TB1( ), TB2( ), etc.)

**The time on the COC needs to be the same for MS/MSD as the parent sample.

SAMPLING LOCATION SURVEY SUMMARY

ARCADIS Project Number: GP08HAFS			*Ground Elevation (ft. AMSL)*	*Top of Casing Elevation*		*Depth-to-Water Reference Elevation (ft. AMSL)*	*Comment*
Project Name: Fort Stewart / Hunter Army Airfield							
Sampler:							
Laboratory:							
Location	*Easting**	*Northing**		*Inner (ft. AMSL)*	*Protective/Outer (ft. AMSL)*		

* - Please provide reference for the coordinate system used.

ARCADIS

Soil/Sediment Sample Log

Project/Site Location: Fort Stewart / Hunter Army Airfield Project No.: GP08HAFS

Sample No.: _____ Duplicate/QA/QC: _____

Date: _____ Weather: _____

Site Description: _____

Sampling Method and Material: Geoprobe MacroCore with liner, stainless steel sampling spoon

Sample ID Boring ID-SO (depth)	Sample Time	Soil Class.	Soil Description (Color, description, moisute, odor, etc.)	PID/FID Reading	Offsite Lab Analysis?

Lab Analysis

Constituents Sampled	Container Description	Preservative

Remarks: _____

Sample Personnel: _____

SOIL SAMPLING SUMMARY

ARCADIS Project Number: GP08HAFS							
Project Name: Fort Stewart / HAAF							
Sampler:							
Laboratory:							
Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr.min)*	*Estimated Ground Elevation (ft. AMSL)*	*Sample Start Depth (ft bgs)*	*Sample End Depth (ft bgs)*	*Comment*

Note: Sample ID = Location ID(Sample Start Depth-Sample End Depth)

ARCADIS

Groundwater Sampling Form

Site Location: Fort Stewart/HAAF Project No. GP08HAFS **Well ID:** _____

Date: _____ Sampled By: _____

Sampling Time: _____ Recorded By: _____

Weather: _____ Duplicate/QA/QC: _____

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		

Purging Information

Casing Material: _____

Casing Diameter: _____

Total Depth: _____

Depth to Water: _____

Water Column: _____

Gallons/Foot: _____

Gallons in Well: _____

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: _____ To: _____

Pump Intake Setting: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: _____ Off: _____

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	Turbidity (NTUs)	pH (SI Units)	Conductivity (µmhos/cm)	Temp (ºC or ºF)	Diss. Oxygen	Comments

Observations During Sampling

Well Condition: _____

Color: _____

Odor: _____

Purge Water Disposal: _____

Turbidity(qualitative): _____

Other (OVA, HNU,etc.): _____

Constituents Sampled	Container Description: From Lab _____ ARCADIS _____	Preservative

Boring/Casing Volumes

2" = 0.16 4" = 0.65

ARCADIS

SURFACE WATER SAMPLE LOG

Sample ID _____ Project/No. _____

Date _____ Sampling Personnel _____

Time _____ _____

Weather _____

DESCRIPTION OF SAMPLE LOCATION:

Name of Water Body _____

Depth of Water _____ Velocity _____

Other Comments _____

Substrate Description _____

Location _____

_____

Description of Nearby Vegetation _____

FIELD PARAMETERS:

Sample Method _____

Sample Description _____

_____

Temperature (°C/°F) _____ pH _____

Dissolved Oxygen _____ SC _____

Salinity _____

CONTAINER DESCRIPTION: From _____ Lab _____

Bottle Type	Analysis	Preservative

ARCADIS
CALIBRATION FORM
PHOTOIONIZATION DETECTOR

Project: **Fort Stewart / Hunter Army Airfield**

Location: _____

PID Model: **Multi Rae**

Pre-Use Calibration

Date:_____ Time:_____am/pm

5 minute (minimum) warm up in ambient air: YES ☐ NO ☐

Battery indicator reading (e.g., 10 through +20): _____

Instrument zeroed (ambient air): YES ☐ NO ☐

Span gas pressure (e.g., 30 psi minimum to 300 psi):

Calibration gas used is 100 ppm Isobutylene/air: YES ☐ NO ☐

Benzene Referenced: YES ☐ NO ☐

Calibration Value: _____

Post-Use Calibration

Date:_____ Time:_____am/pm

Ambient air reading (e.g., 0 ppm): _____ppm

Battery indicator reading (e.g., 10 through +20): _____

Calibration Value: _____

Comments and description of work activities performed during monitoring:

_____

_____

_____

Calibrated by:_____

ARCADIS

Field Instrument Calibration Log

Project Name/Number _____ Date _____

Calibrating Personnel _____ Instrument _____

Time of Initial Calibration _____ Weather _____

Calibrant	Initial Reading	Adjusted Reading	Final Reading	Time	Temperature

ARCADIS

Daily Log

Well(s) _____ Project No. GP08HAFS Page _____ of _____

Site Location Fort Stewart / Hunter Army Airfield

Prepared by _____

Date/Time	Description of Activities

ARCADIS GERAGHTY & MILLER Laboratory Task Order No./P.O. No. _____ **CHAIN-OF-CUSTODY RECORD** Page _ of _____

Project Number/Name _____

Project Location _____

Laboratory _____

Project Manager _____

Sampler(s)/Affiliation _____

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE						Remarks	Total

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

Relinquished by: _____	Organization: _____	Date ___/___/___	Time _____
Received by: _____	Organization: _____	Date ___/___/___	Time _____
Relinquished by: _____	Organization: _____	Date ___/___/___	Time _____
Received by: _____	Organization: _____	Date ___/___/___	Time _____

Seal Intact? Yes No N/A

Seal Intact? Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-0597

during storage in laboratory refrigerators. Because trichlorofluoromethane was only detected in soil samples by ESE in 1992, and is not indicative of fire training activities, possible contamination of samples during storage is likely. The presence of these compounds detected in samples is believed to be laboratory artifact or indicative of the concrete/asphalt construction debris fill materials present at the Site. Therefore, the focus of the 1999/2000 CSR assessment activities was the complete delineation of arsenic, barium, lead, VOCs and PAHs in groundwater, and VOCs, PAHs, barium, chromium, organochlorine pesticides, and PCBs in soils. As required by the Georgia EPD January 2001 comments, the 2001 CSR assessment activities for soils included the delineation of the previously detected acetone, methylene chloride, and phthalates along with VOCs, SVOCs, barium, and chromium. The 2001 CSR assessment activities for ground water were focused on VOCs.

Concentrations of regulated substances detected in surface and subsurface soil samples collected during the CSR assessment activities conducted in 1999 to 2001 are summarized in Tables 4.3 and 4.4. Concentrations of regulated substances detected in groundwater samples collected during the CSR activities and previous investigations are summarized in Tables 4.5. Figures 4.8A, 4.8B, 4.8C, 4.9A, 4.9B, 4.9C, 4.10, and 4.11 present the distribution and extent of site-specific regulated substances detected in surface and subsurface soil. Figure 4.12 presents the distribution and extent of site-specific regulated substances detected in groundwater.

4.3.1 Background Concentrations

Soil

During the course of the investigation of the former FTA, 63 soil samples were obtained and analyzed for RCRA metals (arsenic, barium, cadmium, lead, mercury, nickel, selenium and silver). Since there was no known release of metals at the Site, it could not be determined which, if any, of the samples were representative of a release, and which were representative of background conditions. Therefore, a statistical evaluation which initially considered all of the available soil metals data was performed.

The soils data was first evaluated for identification of statistical outliers. The Grubbs Outlier test referenced in USEPA Statistical Analysis of Ground Water Monitoring Data at RCRA Facilities, dated April 1989 and ASTM E178-75 was used to determine the outliers. Normally, outlier data points are left in the data set and are statistically evaluated with the other data points. To be conservative in the evaluation of the metals in soil at the HAAF former FTA site, the outliers were removed from the data set prior to the statistical analysis. If a data point was an outlier for one metal, it was removed from all of the

metals data sets. Six samples which displayed statistical outliers for any metal were removed from the data sets for all metals. The outliers removed from the data set are listed below.

BH-10 (0-1 ft)	Barium concentration outlier
BH-11 (0-1 ft)	Arsenic and Lead concentration outliers
BH-13	Arsenic, Lead, and Mercury concentration outliers
BH-13 (0-1 ft)	Lead concentration outlier
FTASB-11 (SB-11) (0.5-1)	Barium concentration outlier
HMW-13 (8-10 ft)	Chromium concentration outlier

Sample locations BH-10, BH-11, BH-13, and SB-11 are located within the area where fuels were used in fire training exercises which is considered to be a source area.

A statistical evaluation was then performed on the remaining data after the outliers had been removed. Statistical methods were selected based on the distribution of the data and the number of non-detects. The data were evaluated for normality using the Filliben, Shapiro-Francia, and Shapiro-Wilk tests. Log-normal data sets (arsenic, barium, chromium, lead, and selenium) were logarithmically transformed. Upper background concentrations (UBCs) were then selected on the transformed data using the mean plus 1.645 standard deviations. A non-parametric analysis was then performed on the remaining data sets that did not normalize by log transform (cadmium, mercury, and silver) and were assigned a UBC equal to the maximum observed value. In the case of mercury, the maximum observed value (0.40 mg/kg in sample BH-12) exceeded the UBC for arsenic, lead, selenium, and silver. Therefore, the next highest maximum observed value (0.39 mg/kg in sample BH-13) was selected as the mercury UBC. The statistical evaluation yielded UBCs for each of the eight metals analyzed and are listed below. The statistical plots and statistical calculations used to select UBCs for each of the eight metals are included in Appendix H.

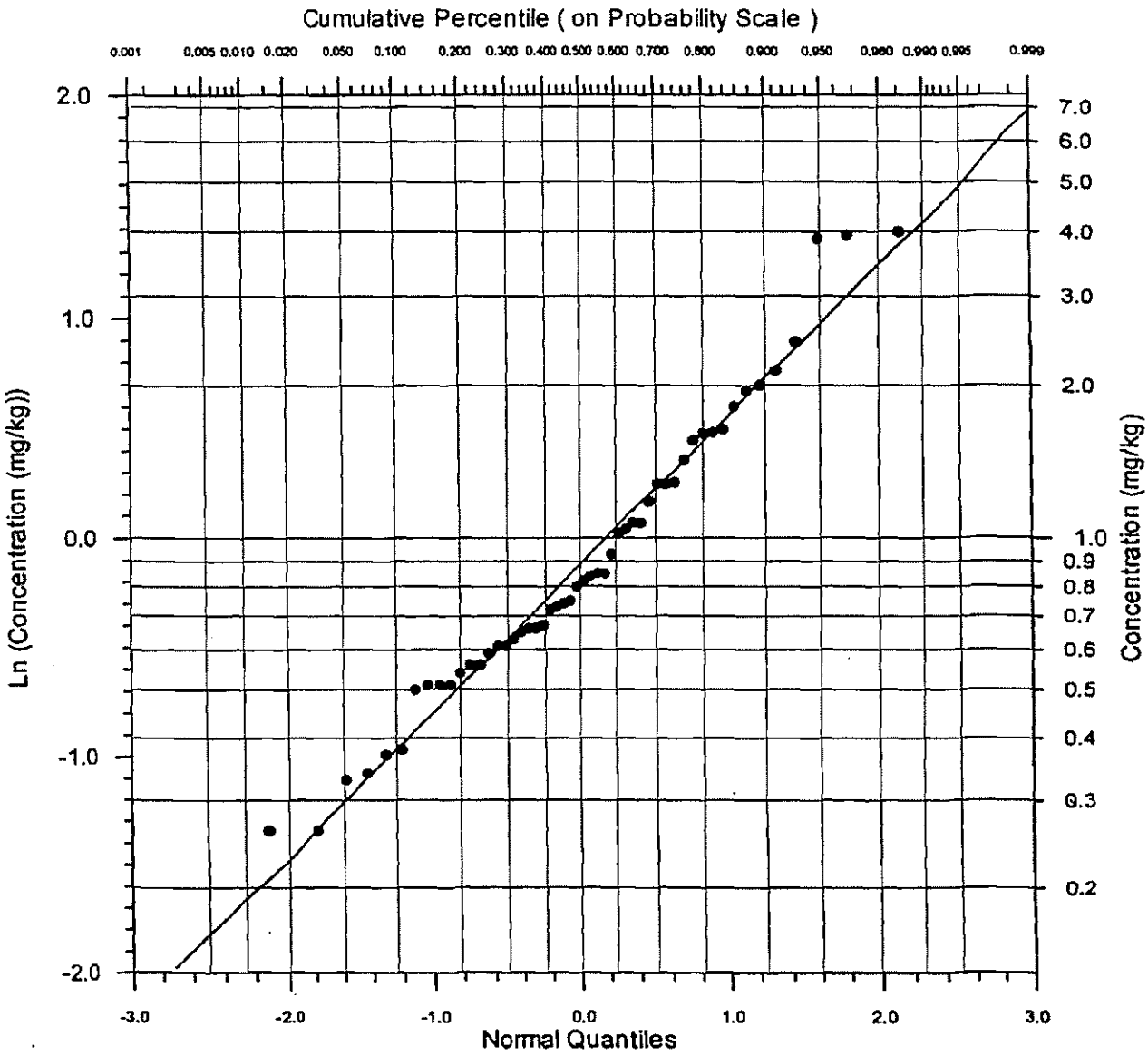
Metal	UBC (mg/kg)	Statistical Method	HSRA Table 2, Appendix III Values
Arsenic	2.6	Log-normal data Mean + 1.645 std. Dev	20
Barium	28	Log-normal data Mean + 1.645 std. Dev	1000
Cadmium	2.6	Non-Parametric, Max observed value	2
Chromium	7.7	Log-normal data Mean + 1.645 std. Dev	100
Lead	53	Log-normal data Mean + 1.645 std. Dev	75
Mercury	0.39	Non-Parametric, Max observed value	0.5
Selenium	1.9	Log-normal data Mean + 1.645 std. Dev	2
Silver	2.6	Non-Parametric, Max observed value	2

As indicated above, the UBC for arsenic, barium, chromium, lead, mercury, and selenium are below the HSRA Table 2, Appendix III values (which are based on GAEPD's estimate of statewide background). The UBCs were then used to evaluate where metals concentrations exceeded background and if the extent of metals could be delineated using the existing data. The results of the evaluation indicated that most of the exceedences of the background concentration (i.e., UBCs) were within the excavated area and areas immediately adjacent to the excavated area. The evaluation also indicated that the extent of the metals in soils was not completely delineated to the north and west of the excavated area. Additional delineation for chromium was conducted to the north of HMW-13 and to the west of HMW-11, for barium to the west of SB-13 (Figure 4.11).

Groundwater

Background groundwater samples from off-site locations were not collected during the 1999/2000 CSR assessment activities. However, review of previous groundwater analytical data collected during 1995 indicated that VOCs, PAHs, and metals (except barium) were not detected in groundwater samples

STATISTICAL DATA AND STATISTICAL PLOTS



LEGEND:

- Arsenic (mg/kg)

LN(Data) Passed the Shapiro-Francia Normality Test indicating the Data are Lognormal.
Probability Plot is Detects-Only. 7.9% ND. NDs/2 were included in UBC calculation.

Upper Background Concentration: **2.6 mg/kg**
Based on LN(Data) mean + 1.645 Standard Deviations
LN (Data) Mean: -0.2018 SD: 0.7012

Total 63 samples, of which 57 data points were used for UBC and 52 for Probability Plot.
Two data points, BH-11(13.90) and BH-13(11.98), are statistical outliers
By ASTM Designation E178-75, 1975.
5% significance level.
Four data points, BH-10 (5.99), BH-13 (7.75), FTASB-11 (0.86),and HMW-13 (0.6),
are rejected due to being outliers in other metals data sets.

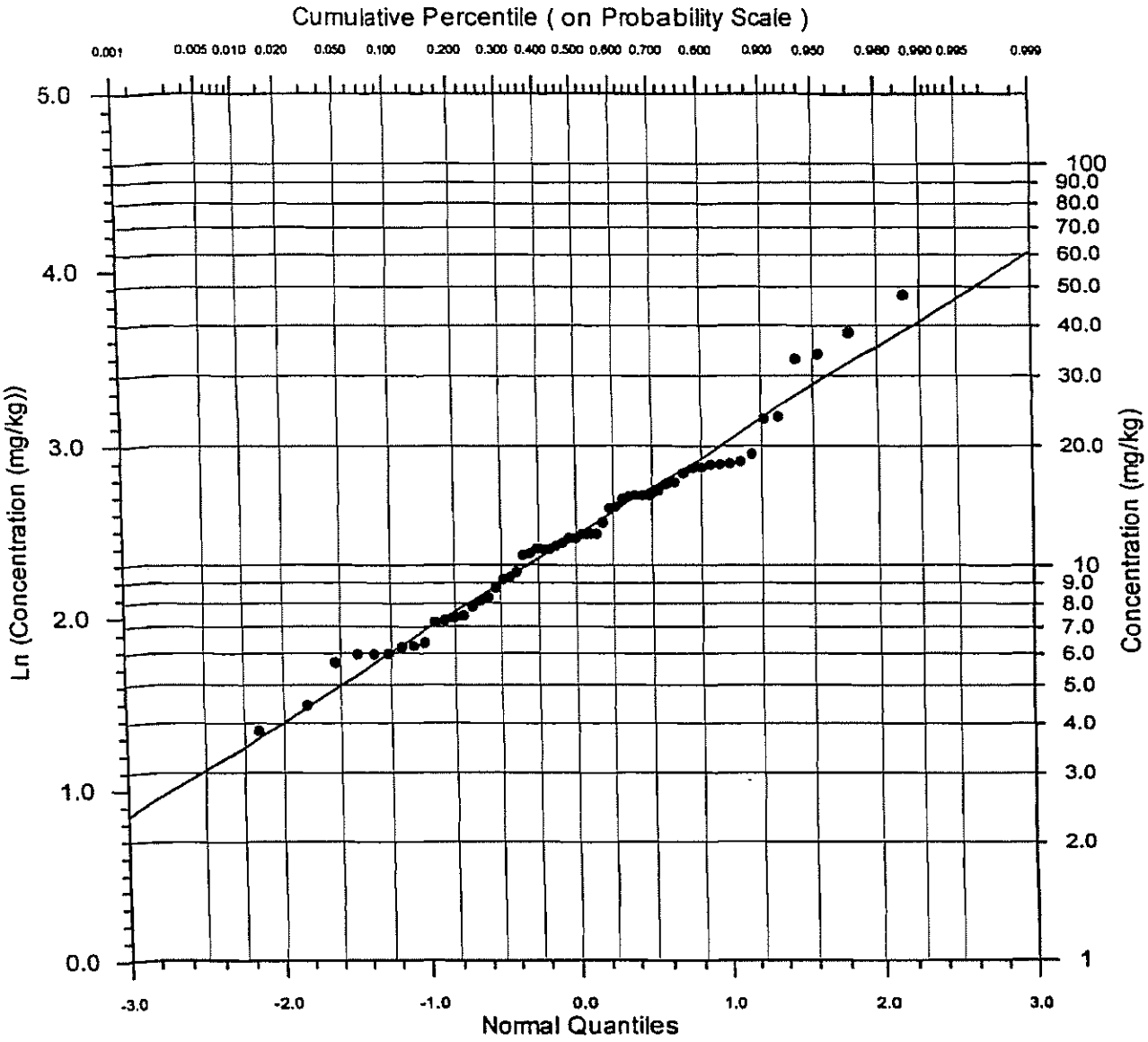
Distribution of Background Arsenic
in Soils at Hunter Army Airfield

ARSENIC

Sample ID	Sample Depth (feet)		Concentration (mg/kg)	Outlier Test Statistic				Data (-Outliers +ND/2)	LN (Data)				LN data	Test Statistic for LN data		Txx for outlier
BH-10	0 - 1		3.89	1.773	Rejected	*All Data*	*/DLs*	2.000	0.693147	*LN Data*			1.790091			2.08367308
BH-10	7.5-8.5		2.00	0.148				3.880	1.355835				0.693147			0.8039484
BH-11	0 - 1		13.90	4.996	Outlier	Mean	1.636984	4.000	1.386294	Mean	-0.20181		2.631889			3.06573663
BH-11	7.5-8.5		3.88	0.914		Std. Error	0.309251	0.980	-0.0202	Std. Error	0.092878		1.355835	*Column1*		1.57705804
BH-12	0 - 1		4.00	0.963		Median	0.82	3.940	1.371181	Median	-0.28768		1.386294			1.61259257
BH-12	6.5-7.5	<	1.96	0.132		Mode	0.51	0.240	-1.42712	Mode	-1.34707		0.672944	Mean	0.004025	0.78037938
BH-13			11.98	4.214	Outlier	Std. Dev.	2.4546	0.260	-1.34707	Std. Dev.	0.701217		2.483239	Standard E	0.107994	2.89231725
BH-13	0 - 1		7.76	2.490	Rejected	Variance	6.025063	0.270	-1.30933	Variance	0.491705		2.047693	Median	-0.19845	2.38419785
BH-13	6.0-7.5		3.94	0.938		Kurtosis	14.44536	0.650	-0.43078	Kurtosis	-0.20525		1.371181	Mode	-0.67334	1.59496059
HSB-1	8 - 10	<	0.48	0.471		Skewness	3.664717	0.850	-0.16252	Skewness	0.292822		-0.73397	Standard D	0.857172	0.86096397
HSB-2	3 - 5	<	0.52	0.455		Range	13.64	0.275	-1.29098	Range	2.813411		-0.65393	Sample Va	0.734744	0.76758399
HSB-3	6 - 8	<	0.54	0.447		Minimum	0.26	1.020	0.019803	Minimum	-1.42712		-0.61619	Kurtosis	1.438998	0.72355511
HSB-4	2 - 4		0.65	0.402		Maximum	13.9	0.630	-0.46204	Maximum	1.386294		-0.43078	Skewness	1.174989	0.50725871
HSB-5	5 - 8		0.85	0.321		Sum	103.13	1.280	0.24686	Sum	-11.5034		-0.16252	Range	3.978962	0.19429472
HSB-6	8-10	<	0.55	0.443		Count	63	2.440	0.891998	Count	57		-0.59784	Minimum	-1.34707	0.70214851
HS-1	0 - 1		1.02	0.251		Crit. Val.	3.044	0.510	-0.67334				0.019803	Maximum	2.631889	0.01840652
HS-2	3 - 4		0.63	0.410				0.340	-1.07881				-0.46204	Sum	0.25358	0.54371877
HS-3	0 - 1		1.28	0.145				0.330	-1.10866				0.24686	Count	63	0.28329785
HS-4	3 - 4		2.44	0.327				0.540	-0.61619				0.891998			1.03593317
HS-10	0 - 1		0.51	0.459				0.590	-0.52763				-0.67334			0.79023765
HS-11	3.5 - 4		0.34	0.528				0.610	-0.4943				-1.07881			1.26326416
HS-12	0 - 1		0.33	0.532				0.560	-0.57982				-1.10866			1.29809143
HS-13	3.5 - 4		0.54	0.447				0.500	-0.69315				-0.61619			0.72355511
HS-14	5.5 - 6.5		0.59	0.427				0.930	-0.07257				-0.52763			0.62024633
HS-18	0 - 1		0.61	0.418				0.370	-0.99425				-0.4943			0.58135516
HS-19	3.5 - 4		0.56	0.439				1.610	0.476234				-0.57982			0.68112763
HS-7	0 - 1		0.5	0.463				1.180	0.165514				-0.69315			0.81333993
HS-8	3 - 4		0.93	0.288				0.850	-0.16252				-0.07257			0.08935869
HS-9	7.5 - 8.5		0.37	0.516				0.820	-0.19845				-0.99425			1.16461724
HS-15	0 - 1		1.61	0.011				0.560	-0.57982				0.476234			0.55089185
HS-16	3 - 4		1.18	0.186				0.660	-0.41552				0.165514			0.18839784
HS-17	6 - 7		0.85	0.321				1.820	0.598837				-0.16252			0.19429472
FTASB-04	0.5 - 1.0		0.82	0.333				1.070	0.067659				-0.19845			0.23621397
FTASB-06	0.5 - 1.0		0.56	0.439				1.560	0.444686				-0.57982			0.68112763
FTASB-09	0.5 - 1.0		0.66	0.398				1.280	0.24686				-0.41552			0.48944727
FTASB-10	0.5 - 1.0		1.82	0.075				1.950	0.667829				0.598837			0.69392302
FTASB-11	0.5 - 1.0		0.56	0.317	Rejected			1.430	0.357674				-0.15082			0.18064981
FTASB-12	0.5 - 1.0		1.07	0.231				2.140	0.760806				0.067659			0.07423664
FRASB-13	0.5 - 2.5		1.56	0.031				1.640	0.494696				0.444686			0.51408669
FTASB-14	0.5 - 2.5		1.28	0.145				0.510	-0.67334				0.24686			0.28329785
FTASB-15	0.5 - 2.5		1.95	0.128				0.660	-0.41552				0.667829			0.77441197
FTASB-16	0.5 - 2.5		1.43	0.084				0.740	-0.30111				0.357674			0.41257687
FTASB-17	0.5 - 2.5		2.14	0.205				1.070	0.067659				0.760806			0.8828808
HMW-10	0.0 - 2.0		1.64	0.001				0.670	-0.40048				0.494696			0.57243019

ARSENIC

Sample ID	Sample Depth (feet)	Concentration (mg/kg)		Outlier Test Statistic				Data (-Outliers +ND/2)	LN (Data)				LN data	Test Statistic for LN data		Txx for outlier	
HMW-12	1.5 - 3.0	0.51		0.459				0.380	-0.96758				-0.67334			0.79023765	
FTASB-04	9.0 - 10.5	0.66	J	0.398				0.800	-0.22314				-0.41552			0.48944727	
FTASB-06	8.5 - 10.5	0.74	J	0.365				1.620	0.482426				-0.30111			0.35597307	
FTASB-09	6.0 - 7.0	1.07	J	0.231				0.730	-0.31471				0.067659			0.07423664	
FTASB-10	9.1 - 10.4	0.67	J	0.394				0.610	-0.4943				-0.40048			0.47190368	
FTASB-11	9.5 - 10.0	0.38	J	0.512				1.290	0.254642				-0.96758			1.13350534	
FTASB-12	8.0 - 10.0	0.8	J	0.341				0.260	-1.34707				-0.22314			0.26502104	
FTASB-13	2.5 - 4.5	1.62	J	0.007				0.260	-1.34707				0.482426			0.55811557	
FTASB-14	4.5 - 6.5	0.73	J	0.370				0.840	-0.17435				-0.31471			0.37184579	
FTASB-15	4.5 - 6.5	0.61	JQ	0.418				0.750	-0.28768				-0.4943			0.58135516	
FTASB-16	6.5 - 8.1	1.29	JQ	0.141				0.510	-0.67334				0.254642			0.29237671	
FTASB-17	4.5 - 6.5	0.26	JQ	0.561				1.040	0.039221				-1.34707			1.57622815	
HMW-10	2.0 - 4.0	0.26	JQ	0.561				0.720	-0.3285				-1.34707			1.57622815	
HMW-11	2.0 - 4.0	0.84	JQ	0.325									-0.17435			0.20810112	
HMW-11	6.0 - 8.0	0.75	JQ	0.361									-0.28768			0.34031342	
HMW-12	1.5 - 3.0	0.51	JQ	0.459									-0.67334			0.79023765	
HMW-12	4.5 - 6.0	1.04	JQ	0.243									0.039221			0.04106018	
HMW-13	2.0 - 4.0	0.72	JQ	0.374									-0.3285			0.38793745	
HMW-13	8.0 - 10.0	0.6	JQ	0.422	Rejected								-0.51083			0.60063869	



LEGEND:

- Barium (mg/kg)

LN(Data) Passed Shapiro-Francia Test of Normality Indicating the Data are Lognormal.
Probability Plot is Detects-Only. 0% ND.

Upper Background Concentration: **28.3 mg/kg**
Based on Ln (Data) mean + 1.645 Standard Deviations.
LN (Data) Mean: 2.4788 SD: 0.5257

Total 63 samples, of which 57 data points were used for UBC and Probability Plot.
Two data points, BH-10(64.4) and FTASB-11(69), are statistical outliers
By ASTM Designation E178-75, 1975.
5% significance level.
Four data points, BH-11 (33.50), BH-13 (27.10), BH-13 (19.80), and HMW-13 (27),
are rejected due to being outliers in other metals data sets.

Distribution of Background Barium
in Soils at Hunter Army Airfield

BARIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic	
BH-10	0 - 1	64.4	3.807	Outlier
BH-10	7.5-8.5	9.19	0.560	
BH-11	0 - 1	33.50	1.363	Rejected
BH-11	7.5-8.5	18.10	0.145	
BH-12	0 - 1	7.19	0.718	
BH-12	6.5-7.5	8.12	0.645	
BH-13		27.10	0.857	Rejected
BH-13	0 - 1	16.60	0.279	Rejected
BH-13	6.0-7.5	8.28	0.632	
HSB-1	8 - 10	3.83	0.984	
HSB-2	3 - 5	5.97	0.815	
HSB-3	6 - 8	6.21	0.796	
HSB-4	2 - 4	4.44	0.936	
HSB-5	5 - 8	15.40	0.069	
HSB-6	8-10	11.20	0.401	
HS-1	0 - 1	11.40	0.385	
HS-2	3 - 4	12.80	0.275	
HS-3	0 - 1	14.90	0.108	
HS-4	3 - 4	23.40	0.564	
HS-10	0 - 1	18.30	0.161	
HS-11	3.5 - 4	13.90	0.188	
HS-12	0 - 1	9.60	0.528	
HS-13	3.5 - 4	14.70	0.124	
HS-14	5.5 - 6.5	17.70	0.113	
HS-18	0 - 1	16.20	0.006	
HS-19	3.5 - 4	19.10	0.224	
HS-7	0 - 1	23.70	0.588	
HS-8	3 - 5	15.00	0.101	
HS-9	7.5 - 8.5	17.10	0.066	
HS-15	0 - 1	47.60	2.478	
HS-16	3 - 4	38.40	1.751	

All Data W /DLs	
Mean	16.27095
Std. Error	1.592632
Median	12
Mode	15
Std. Dev.	12.64112
Variance	159.798
Kurtosis	7.129523
Skewness	2.473057
Range	65.17
Minimum	3.83
Maximum	69
Sum	1025.07
Count	63
Crit. Val.	3.044

Data (-Outliers +ND/2)	LN (Data)
9.19	2.218116
18.1	2.895912
7.19	1.972691
8.12	2.09433
8.28	2.113843
3.83	1.342865
5.97	1.786747
6.21	1.826161
4.44	1.490654
15.4	2.734368
11.2	2.415914
11.4	2.433613
12.8	2.549445
14.9	2.701361
23.4	3.152736
18.3	2.906901
13.9	2.631889
9.6	2.261763
14.7	2.687847
17.7	2.873565
16.2	2.785011
19.1	2.949688
23.7	3.165475
15	2.70805
17.1	2.839078
47.6	3.862833
38.4	3.648057
17.6	2.867899
11	2.397895
7.45	2.008214
11	2.397895

LN Data	
Mean	2.478789
Std. Error	0.069626
Median	2.459589
Mode	2.70805
Std. Dev.	0.525668
Variance	0.276327
Kurtosis	0.204707
Skewness	0.30929
Range	2.519968
Minimum	1.342865
Maximum	3.862833
Sum	141.2909
Count	57

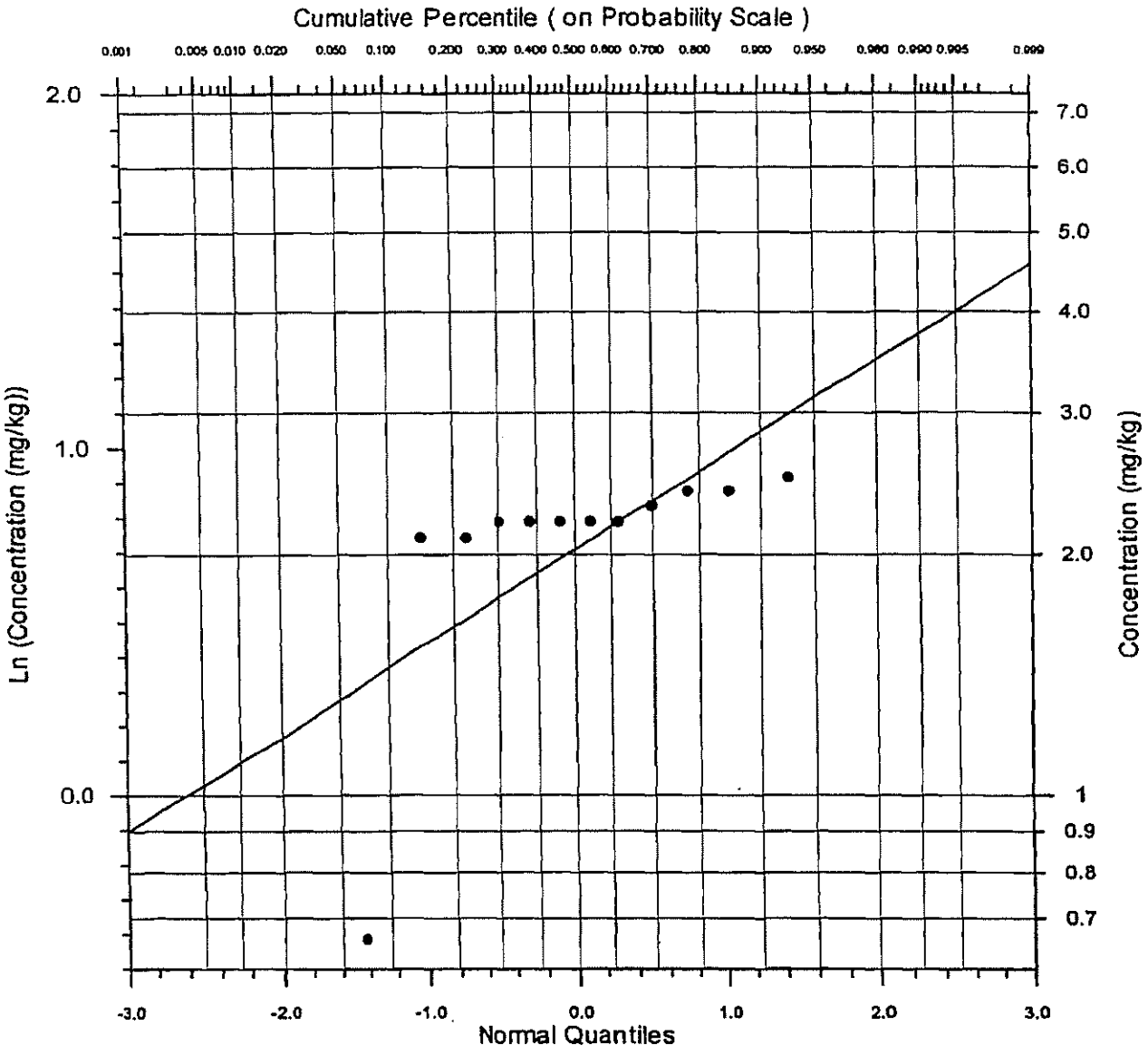
LN data	Txx for outlier
4.165114	2.575636
2.218116	0.595731
3.511545	1.511071
2.895912	0.508296
1.972691	0.995492
2.09433	0.79736
3.299534	1.165736
2.985682	0.654518
2.113843	0.765576
1.342865	2.021384
1.786747	1.298367
1.826161	1.234167
1.490654	1.780657
2.734368	0.245165
2.415914	0.273548
2.433613	0.244719
2.549445	0.056046
2.701361	0.191403
3.152736	0.926624
2.906901	0.526196
2.631889	0.078242
2.261763	0.524637
2.687847	0.169391
2.873565	0.471896
2.785011	0.327656
2.949688	0.59589
3.165475	0.947374
2.70805	0.202298
2.839078	0.415723
3.862833	2.083265
3.648057	1.733429

Column1		
Mean	2.583853	
Standard E	0.077348	
Median	2.484907	
Mode	2.70805	
Standard D	0.61393	
Sample Va	0.37691	
Kurtosis	0.341383	
Skewness	0.541552	
Range	2.891242	
Minimum	1.342865	
Maximum	4.234107	
Sum	162.7828	
Count	63	

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BARIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic		Data (-Outliers +ND/2)	LN (Data)	LN data	Txx for outlier
HS-17	6 - 7	17.60	0.105		34	3.526361	2.867899	0.462667
FTASB-04	0.5 - 1.0	11	0.417		9.3	2.230014	2.397895	0.302898
FTASB-06	0.5 - 1.0	7.45	0.698		12	2.484907	2.008214	0.93763
FTASB-09	0.5 - 1.0	11	0.417		12	2.484907	2.397895	0.302898
FTASB-10	0.5 - 1.0	34	1.402		18	2.890372	3.526361	1.535203
FTASB-11	0.5 - 1.0	69	4.171	Outlier	11	2.397895	4.234107	2.688015
FTASB-12	0.5 - 1.0	9.3	0.551		18	2.890372	2.230014	0.576351
FRASB-13	0.5 - 2.5	12	0.338		16	2.772589	2.484907	0.161169
FTASB-14	0.5 - 2.5	12	0.338		5.96	1.78507	2.484907	0.161169
FTASB-15	0.5 - 2.5	18	0.137		12	2.484907	2.890372	0.499272
FTASB-16	0.5 - 2.5	11	0.417		11.7	2.459589	2.397895	0.302898
FTASB-17	0.5 - 2.5	18	0.137		15	2.70805	2.890372	0.499272
HMW-10	0.0 - 2.0	16	0.021		14	2.639057	2.772589	0.307421
HMW-12	1.5 - 3.0	5.96	0.816		10.6	2.360854	1.78507	1.301098
FTASB-04	9.0 - 10.5	12	0.338		15	2.70805	2.484907	0.161169
FTASB-06	8.5 - 10.5	11.7 J	0.362		33	3.496508	2.459589	0.202408
FTASB-09	6.0 - 7.0	15	0.101		8.77	2.171337	2.70805	0.202298
FTASB-10	9.1 - 10.4	14	0.180		7.27	1.983756	2.639057	0.089919
FTASB-11	9.5 - 10.0	10.6 J	0.449		10.7	2.370244	2.360854	0.363233
FTASB-12	8.0 - 10.0	15	0.101		6.38	1.853168	2.70805	0.202298
FTASB-13	2.5 - 4.5	33	1.323		6.25	1.832581	3.496508	1.486577
FTASB-14	4.5 - 6.5	8.77 J	0.593		11.7	2.459589	2.171337	0.671928
FTASB-15	4.5 - 6.5	7.27 JQ	0.712		7.37	1.997418	1.983756	0.977468
FTASB-16	6.5 - 8.1	10.7 J	0.441		5.96	1.78507	2.370244	0.347938
FTASB-17	4.5 - 6.5	6.38 JQ	0.782		5.68	1.736951	1.853168	1.190177
HMW-10	2.0 - 4.0	6.25 JQ	0.793		7.85	2.060514	1.832581	1.223709
HMW-11	2.0 - 4.0	11.7 J	0.362				2.459589	0.202408
HMW-11	6.0 - 8.0	7.37 JQ	0.704				1.997418	0.955216
HMW-12	1.5 - 3.0	5.96 JQ	0.816				1.78507	1.301098
HMW-12	4.5 - 6.0	5.68 JQ	0.838				1.736951	1.379477
HMW-13	2.0 - 4.0	7.85 JQ	0.666				2.060514	0.852442
HMW-13	8.0 - 10.0	27	0.849	Rejected			3.295837	1.159714



LEGEND:

- Cadmium (mg/kg)

Due to high percentage of non-detects the data can not be validly normalized.
Probability Plot is Detects-Only. 79% NDs.

Upper Background Concentration: **2.6 mg/kg**
Based on non-parametric analysis, UBC is set equal to the maximum observed value.
5% Significance Level and 98% expected coverage.

Total of 63 samples, of which 57 data points were used for UBC and 12 for Probability Plot.
No Data Points are determined to be statistical outliers.
By ASTM Designation E178-75, 1975.
5% significance level.
Six data points, BH-10 (<1.98), BH-11 (1.99), BH-13 (0.02), BH-13 (3.87), FTASB-11 (2.2), and HMW-13 (<2.3), are rejected due to being outliers in other metals data sets.

Distribution of Background Cadmium
in Soils at Hunter Army Airfield

CADMIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic
BH-10	0 - 1	< 1.98	0.415
BH-10	7.5-8.5	< 1.98	0.415
BH-11	0 - 1	1.99	0.425
BH-11	7.5-8.5	< 1.98	0.415
BH-12	0 - 1	< 1.98	0.415
BH-12	6.5-7.5	< 1.98	0.415
BH-13		0.02	1.675
BH-13	0 - 1	3.87	2.430
BH-13	6.0-7.5	< 1.98	0.415
HSB-1	8 - 10	< 0.37	1.302
HSB-2	3 - 5	< 0.40	1.270
HSB-3	6 - 8	< 0.42	1.249
HSB-4	2 - 4	< 0.41	1.259
HSB-5	5 - 8	< 0.45	1.217
HSB-6	8-10	< 0.42	1.249
HS-1	0 - 1	< 0.52	1.142
HS-2	3 - 4	< 0.57	1.089
HS-3	0 - 1	< 0.54	1.121
HS-4	3 - 4	< 0.55	1.110
HS-10	0 - 1	< 0.51	1.153
HS-11	3.5 - 4	< 0.54	1.121
HS-12	0 - 1	< 0.51	1.153
HS-13	3.5 - 4	< 0.54	1.121
HS-14	5.5 - 6.5	< 0.54	1.121
HS-18	0 - 1	< 0.50	1.163
HS-19	3.5 - 4	< 0.55	1.110
HS-7	0 - 1	< 0.54	1.121
HS-8	3 - 5	< 0.54	1.121
HS-9	7.5 - 8.5	< 0.53	1.131
HS-15	0 - 1	< 0.51	1.153
HS-16	3 - 4	< 0.52	1.142

Column1	
Mean	1.591111
Standard E	0.118161
Median	1.99
Mode	2.4
Standard D	0.937875
Sample Va	0.87961
Kurtosis	-1.34677
Skewness	-0.17072
Range	3.85
Minimum	0.02
Maximum	3.87
Sum	100.24
Count	63
Crit. Val.	3.044

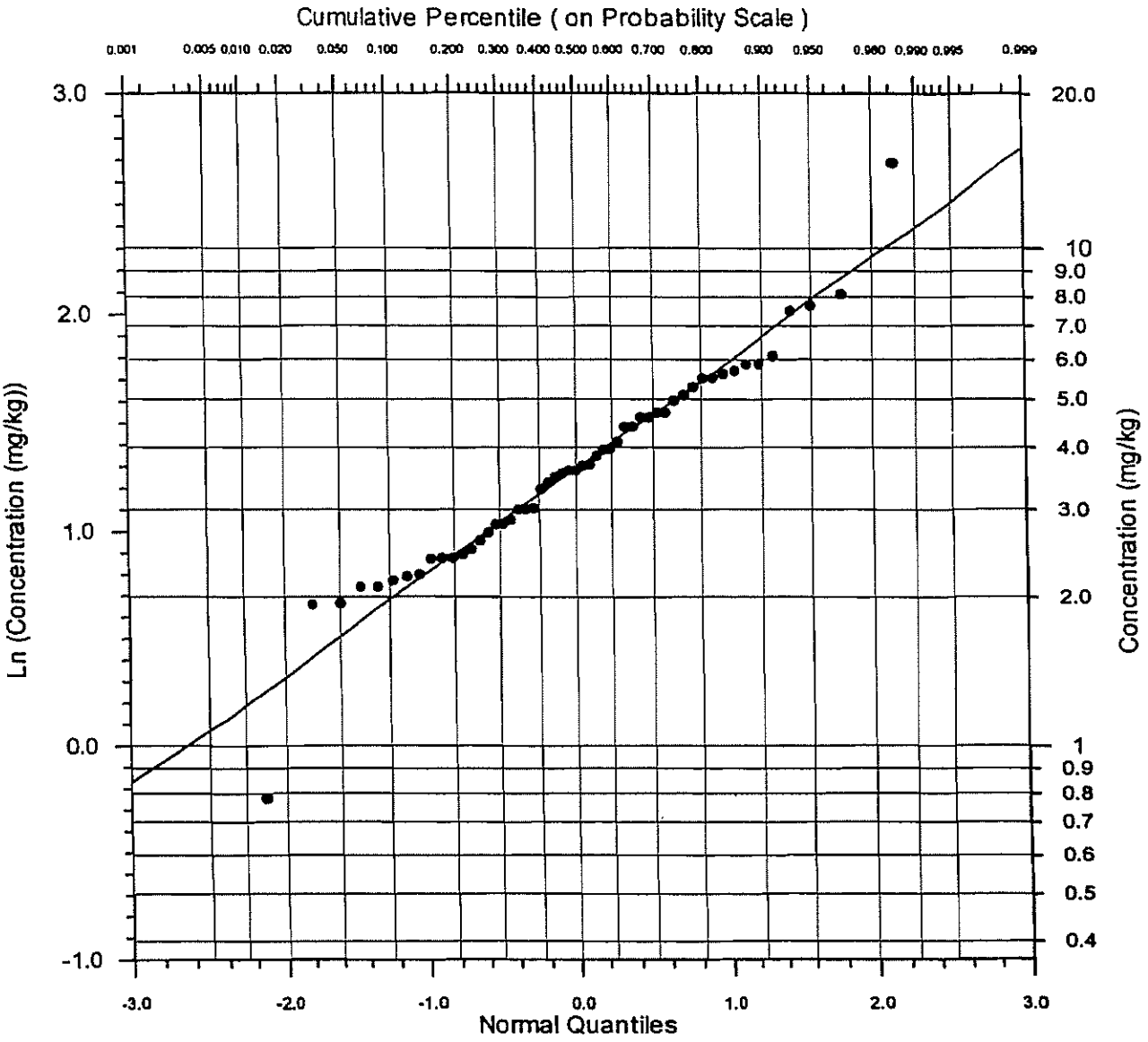
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CADMIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic
HS-17	6 - 7	< 0.54	1.121
FTASB-04	0.5 - 1.0	2.2	0.649
FTASB-06	0.5 - 1.0	2.1	0.543
FTASB-09	0.5 - 1.0	2.5	0.969
FTASB-10	0.5 - 1.0	0.66	0.993
FTASB-11	0.5 - 1.0	2.2	0.649
FTASB-12	0.5 - 1.0	2.4	0.862
FRASB-13	0.5 - 2.5	2.2	0.649
FTASB-14	0.5 - 2.5	2.2	0.649
FTASB-15	0.5 - 2.5	2.2	0.649
FTASB-16	0.5 - 2.5	2.1	0.543
FTASB-17	0.5 - 2.5	2.2	0.649
HMW-10	0.0 - 2.0	2.3	0.756
HMW-12	1.5 - 3.0	2.4	0.862
FTASB-04	9.0 - 10.5	< 2.4	0.862
FTASB-06	8.5 - 10.5	< 2.6	1.076
FTASB-09	6.0 - 7.0	< 2.3	0.756
FTASB-10	9.1 - 10.4	< 2.4	0.862
FTASB-11	9.5 - 10.0	< 2.4	0.862
FTASB-12	8.0 - 10.0	< 2.5	0.969
FTASB-13	2.5 - 4.5	< 2.6	1.076
FTASB-14	4.5 - 6.5	< 2.3	0.756
FTASB-15	4.5 - 6.5	< 2.3	0.756
FTASB-16	6.5 - 8.1	< 2.4	0.862
FTASB-17	4.5 - 6.5	< 2.2	0.649
HMW-10	2.0 - 4.0	< 2.4	0.862
HMW-11	2.0 - 4.0	< 2.4	0.862
HMW-11	6.0 - 8.0	< 2.6	1.076
HMW-12	1.5 - 3.0	< 2.4	0.862
HMW-12	4.5 - 6.0	< 2.4	0.862
HMW-13	2.0 - 4.0	< 2.4	0.862
HMW-13	8.0 - 10.0	< 2.3	0.756

H-12

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LEGEND:

- Chromium (mg/kg)

LN(Data) Passed the Coefficient of Skewness Test of Normality Indicating the Data are Lognormal. Probability Plot is Detects-Only. 7.0% ND. NDs/2 were included in UBC calculation.

Upper Background Concentration: **7.7 mg/kg**
Based on LN(Data) mean + 1.645 Standard Deviations
LN (Data) Mean: 1.2527 SD: 0.4792

Total 63 samples, of which 57 data points were used for UBC and 53 for Probality Plot.
One data point, HMW-13 (31.7),is a statistical outlier.
By ASTM Designation E178-75, 1975.
5% significance level.
Five data points, BH-10 (12.80), BH-11 (4.16), BH-13 (2.84), BH-13 (9.10) and FTASB-11 (4.8), are rejected due to being outliers in other metals data sets.

Distribution of Background Chromium
in Soils at Hunter Army Airfield

CHROMIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic	
BH-10	0 - 1	12.60	1.928	Rejected
BH-10	7.5-8.5	< 3.96	0.184	
BH-11	0 - 1	4.16	0.136	Rejected
BH-11	7.5-8.5	3.96	0.184	
BH-12	0 - 1	< 5.19	0.110	
BH-12	6.5-7.5	< 3.96	0.184	
BH-13		2.84	0.451	Rejected
BH-13	0 - 1	4.10	1.044	Rejected
BH-13	6.0-7.5	< 3.96	0.184	
HSB-1	8 - 10	0.78	0.944	
HSB-2	3 - 5	3.49	0.296	
HSB-3	6 - 8	3.85	0.210	
HSB-4	2 - 4	5.87	0.272	
HSB-5	5 - 8	1.93	0.669	
HSB-6	8 - 10	2.39	0.559	
HS-1	0 - 1	5.61	0.210	
HS-2	3 - 4	2.81	0.459	
HS-3	0 - 1	5.88	0.275	
HS-4	3 - 4	5.51	0.186	
HS-10	0 - 1	3.55	0.282	
HS-11	3.5 - 4	2.16	0.614	
HS-12	0 - 1	3.02	0.408	
HS-13	3.5 - 4	2.44	0.547	
HS-14	5.5 - 6.5	2.22	0.600	
HS-18	0 - 1	3.68	0.251	
HS-19	3.5 - 4	3.98	0.179	
HS-7	0 - 1	4.97	0.057	
HS-8	3 - 5	2.80	0.461	
HS-9	7.5 - 8.5	1.94	0.666	
HS-15	0 - 1	5.29	0.134	
HS-16	3 - 4	6.10	0.327	

All Data ** */DLs*	
Mean	4.729524
Std. Error	0.527314
Median	3.96
Mode	3.96
Std. Dev.	4.185428
Variance	17.5178
Kurtosis	28.39077
Skewness	4.767239
Range	30.92
Minimum	0.78
Maximum	31.7
Sum	297.96
Count	63
Crit. Val.	3.044

Data (-Outliers +ND/2)	LN (Data)
1.98	0.683097
3.96	1.376244
2.595	0.953587
1.98	0.683097
1.98	0.683097
0.78	-0.24846
3.49	1.249902
3.85	1.348073
5.87	1.769855
1.93	0.65752
2.39	0.871293
5.61	1.724551
2.81	1.033184
5.88	1.771557
5.51	1.706565
3.55	1.266948
2.16	0.770108
3.02	1.105257
2.44	0.891998
2.22	0.797507
3.68	1.302913
3.98	1.381282
4.97	1.60342
2.8	1.029619
1.94	0.662688
5.29	1.665818
6.1	1.808289
2.86	1.050822
3	1.098612
5.1	1.629241
2.4	0.875469

LN Data	
Mean	1.252719
Std. Error	0.063466
Median	1.266948
Mode	0.683097
Std. Dev.	0.479155
Variance	0.229589
Kurtosis	1.36858
Skewness	0.057575
Range	2.936309
Minimum	-0.24846
Maximum	2.687847
Sum	71.405
Count	57

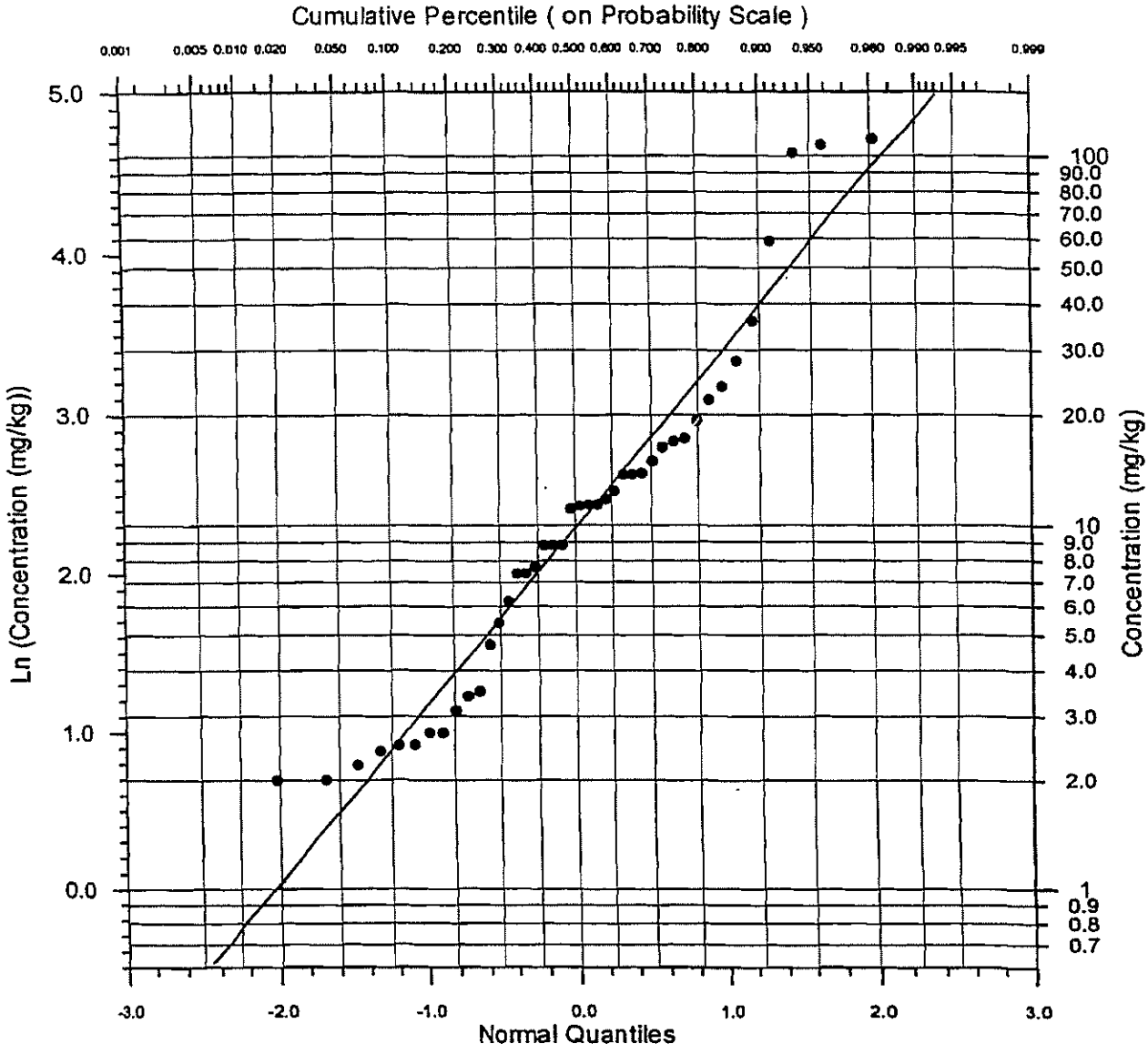
LN data	Txx for outlier
2.549445	2.142766
1.376244	0.007909
1.425515	0.097567
1.376244	0.007909
1.646734	0.500115
1.376244	0.007909
1.043804	0.597027
2.208274	1.521942
1.376244	0.007909
-0.24846	2.948543
1.249902	0.221994
1.348073	0.043353
1.769855	0.724156
0.65752	1.299943
0.871293	0.910942
1.724551	0.641717
1.033184	0.616351
1.771557	0.727254
1.706565	0.608988
1.266948	0.190976
0.770108	1.095067
1.105257	0.485202
0.891998	0.873266
0.797507	1.04521
1.302913	0.125531
1.381282	0.017076
1.60342	0.421297
1.029619	0.622839
0.662688	1.290538
1.665818	0.534843
1.808289	0.794094

Column1		
Mean	1.371898	0.007909
Standard E	0.069236	0.597027
Median	1.376244	1.521942
Mode	1.376244	0.007909
Standard D	0.549546	2.948543
Sample Va	0.302	0.221994
Kurtosis	3.390369	0.043353
Skewness	0.799956	0.724156
Range	3.704778	1.299943
Minimum	-0.24846	0.910942
Maximum	3.456317	0.641717
Sum	86.42956	0.616351
Count	63	0.727254

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CHROMIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic		Data (-Outliers +ND/2)	LN (Data)	LN data	Txx for outlier
HS-17	6 - 7	2.86	0.447		14.7	2.687847	1.050822	0.584257
FTASB-04	0.5 - 1.0	3.0	0.413		4.6	1.526056	1.098612	0.497293
FTASB-06	0.5 - 1.0	5.10	0.089		5.7	1.740466	1.629241	0.468283
FTASB-09	0.5 - 1.0	2.4	0.557		4.4	1.481605	0.875469	0.903344
FTASB-10	0.5 - 1.0	14.7	2.382		4.1	1.410987	2.687847	2.394614
FTASB-11	0.5 - 1.0	4.8	0.017	Rejected	3.4	1.223775	1.568616	0.357965
FTASB-12	0.5 - 1.0	4.6	0.031		4.7	1.547563	1.526056	0.28052
FRASB-13	0.5 - 2.5	5.7	0.232		7.7	2.04122	1.740466	0.670679
FTASB-14	0.5 - 2.5	4.4	0.079		3.6	1.280934	1.481605	0.199632
FTASB-15	0.5 - 2.5	4.1	0.150		2.4	0.875469	1.410987	0.07113
FTASB-16	0.5 - 2.5	3.4	0.318		2.2	0.788457	1.223775	0.269536
FTASB-17	0.5 - 2.5	4.7	0.007		5.5	1.704748	1.547563	0.319655
HMW-10	0.0 - 2.0	7.7	0.710		2.1	0.741937	2.04122	1.217956
HMW-12	1.5 - 3.0	3.6	0.270		2.7	0.993252	1.280934	0.165526
FTASB-04	9.0 - 10.5	2.4 J	0.557		2.5	0.916291	0.875469	0.903344
FTASB-06	8.5 - 10.5	2.2 J	0.604		4.4	1.481605	0.788457	1.061678
FTASB-09	6.0 - 7.0	5.5	0.184		4.7	1.547563	1.704748	0.605683
FTASB-10	9.1 - 10.4	2.1 J	0.628		2.6	0.955511	0.741937	1.14633
FTASB-11	9.5 - 10.0	2.7 J	0.485		3.7	1.308333	0.993252	0.689016
FTASB-12	8.0 - 10.0	2.5 J	0.533		2.1	0.741937	0.916291	0.829061
FTASB-13	2.5 - 4.5	4.4 J	0.079		3.3	1.193922	1.481605	0.199632
FTASB-14	4.5 - 6.5	4.7	0.007		8.1	2.091864	1.547563	0.319655
FTASB-15	4.5 - 6.5	2.6 JQ	0.509		7.5	2.014903	0.955511	0.757692
FTASB-16	6.5 - 8.1	3.7 JQ	0.246		3.6	1.280934	1.308333	0.115668
FTASB-17	4.5 - 6.5	2.1 JQ	0.628		4.6	1.526056	0.741937	1.14633
HMW-10	2.0 - 4.0	3.3 JQ	0.342		3	1.098612	1.193922	0.323859
HMW-11	2.0 - 4.0	8.1	0.805				2.091864	1.310112
HMW-11	6.0 - 8.0	7.5	0.662				2.014903	1.170067
HMW-12	1.5 - 3.0	3.6 JQ	0.270				1.280934	0.165526
HMW-12	4.5 - 6.0	4.6 J	0.031				1.526056	0.28052
HMW-13	2.0 - 4.0	3.0 JQ	0.413				1.098612	0.497293
HMW-13	8.0 - 10.0	31.7	6.444	Outlier			3.456317	3.792986



LEGEND:

- Lead (mg/kg)

LN (Data) Passed The Coefficient of Skewness Test of Normality Indicating the data are lognormal. Probability Plot is Detects-Only. 25% ND. Aitchison's Adjustment used for UBC calculation.

Upper Background Concentration: **53 mg/kg**
Based on LN (Data) Adjusted Mean + 1.645 Adjusted Standard Deviations.
LN (Data) Adjusted Mean: 1.7158 SD: 1.3668

Total of 62 samples, of which 56 data points were used for UBC and 42 for Probability Plot.
Three Data Points, BH-11 (1163.00), BH-13 (1179.00) and BH-13 (1185.00), are statistical outliers.
By ASTM Designation E178-75, 1975.
5% significance level.
Three data points, BH-10 (645.00), FTASB-11 (15.0), and HWM-13 (3.2),
are rejected due to being outliers in other metals data sets.

Distribution of Background Lead
in Soils at Hunter Army Airfield

LEAD

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic	
BH-10	0 - 1	545.00	2.148	Rejected
BH-10	7.5-8.5	35.9	0.174	
BH-11	0 - 1	1163.00	4.124	Outlier
BH-11	7.5-8.5	NRQ		
BH-12	0 - 1	102	0.078	
BH-12	6.5-7.5	19.30	0.238	
BH-13		1179.00	4.185	Outlier
BH-13	0 - 1	1185.00	4.208	Outlier
BH-13	6.0-7.5	13.80	0.259	
HSB-1	8 - 10	< 5.26	0.291	
HSB-2	3 - 5	< 5.71	0.290	
HSB-3	6 - 8	< 5.97	0.289	
HSB-4	2 - 4	< 5.81	0.289	
HSB-5	5 - 8	7.40	0.283	
HSB-6	8 - 10	< 5.97	0.289	
HS-1	0 - 1	28.00	0.205	
HS-2	3 - 4	< 7.62	0.282	
HS-3	0 - 1	17.30	0.245	
HS-4	3 - 4	8.82	0.278	
HS-10	0 - 1	7.39	0.283	
HS-11	3.5 - 4	< 7.28	0.284	
HS-12	0 - 1	< 6.90	0.285	
HS-13	3.5 - 4	< 7.29	0.284	
HS-14	5.5 - 6.5	< 7.27	0.284	
HS-18	0 - 1	< 6.70	0.286	
HS-19	3.5 - 4	< 7.31	0.284	
HS-7	0 - 1	23.90	0.220	
HS-8	3 - 5	8.83	0.278	
HS-9	7.5 - 8.5	< 7.16	0.284	
HS-15	0 - 1	13.80	0.259	
HS-16	3 - 4	107.00	0.097	

All Data "/DLs	
Mean	81.65452
Std. Error	33.30281
Median	7.66
Mode	13.8
Std. Dev.	262.2266
Variance	68762.79
Kurtosis	13.68489
Skewness	3.839575
Range	1183
Minimum	2
Maximum	1185
Sum	5062.58
Count	62
Crit. Val.	3.037

Detects-only Data	LN (Detects-only data)	*LN Detects-only Data*	
35.9	3.580737		
102	4.624973		
19.3	2.960105	Mean	2.287776
13.8	2.624669	Std. Error	0.166591
7.4	2.00148	Median	2.415874
28	3.332205	Mode	2.624669
17.3	2.850707	Std. Dev.	1.079635
8.82	2.177022	Variance	1.165612
7.39	2.000128	Kurtosis	-0.078331
23.9	3.173878	Skewness	0.474948
8.83	2.178155	Range	4.016383
13.8	2.624669	Minimum	0.693147
107	4.672829	Maximum	4.70953
2.7	0.993252	Sum	96.0866
15	2.70805	Count	42
4.7	1.547563		
111	4.70953		
11.4	2.433613		
7.7	2.04122		
11.4	2.433613		
13.9	2.631889		
3.4	1.223775		
12.4	2.517696		
17	2.833213		
2.5	0.916291		
3.5	1.252763		
2.4	0.875469		
59	4.077537		
11.1	2.406945		
6.2	1.824549		
11.3	2.424803		

LN data	Test Statistic for LN data		Txx for outlier
6.46925			2.675076
3.580737			0.735288
7.058758			3.070961
	Column1		1.669364
4.624973			1.436547
2.960105	Mean	2.485829	0.318501
7.072422	Standard E	0.189114	3.080137
7.077498	Median	2.035998	3.083546
2.624669	Mode	2.624669	0.093238
1.660131	Standard C	1.489087	0.554499
1.742219	Sample Va	2.217381	0.499373
1.786747	Kurtosis	3.196304	0.46947
1.759581	Skewness	1.750325	0.487714
2.00148	Range	6.384351	0.325266
1.786747	Minimum	0.693147	0.46947
3.332205	Maximum	7.077498	0.568385
2.030776	Sum	154.1214	0.305592
2.850707	Count	62	0.245034
2.177022			0.20738
2.000128			0.326174
1.985131			0.336245
1.931521			0.372246
1.986504			0.335323
1.983756			0.337168
1.902108			0.391999
1.989243			0.333483
3.173878			0.462061
2.178155			0.206619
1.96851			0.347407
2.624669			0.093238
4.672829			1.468685

LEAD

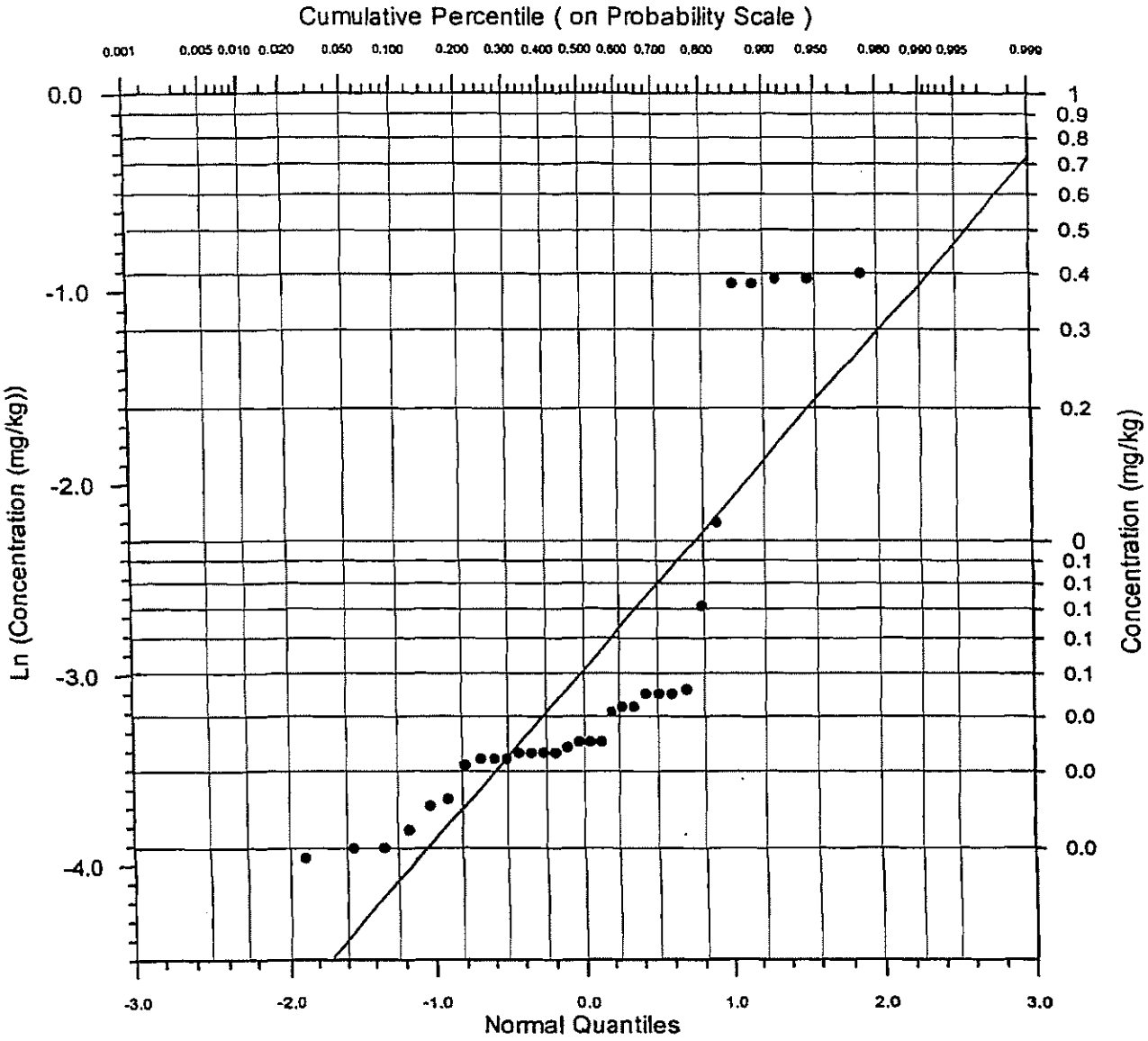
Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic	
HS-17	6 - 7	< 7.19	0.284	
FTASB-04	0.5 - 1.0	2.7	0.301	
FTASB-06	0.5 - 1.0	15	0.254	
FTASB-09	0.5 - 1.0	4.7	0.293	
FTASB-10	0.5 - 1.0	111	0.112	
FTASB-11	0.5 - 1.0	16	0.254	Rejected
FTASB-12	0.5 - 1.0	11.4	0.268	
FRASB-13	0.5 - 2.5	7.7	0.282	
FTASB-14	0.5 - 2.5	11.4	0.268	
FTASB-15	0.5 - 2.5	13.9	0.258	
FTASB-16	0.5 - 2.5	3.4	0.298	
FTASB-17	0.5 - 2.5	12.4	0.264	
HMW-10	0.0 - 2.0	17	0.247	
HMW-12	1.5 - 3.0	2.5	0.302	
FTASB-04	9.0 - 10.5	3.5	0.298	
FTASB-06	8.5 - 10.5	2.4	0.302	
FTASB-09	6.0 - 7.0	59	0.086	
FTASB-10	9.1 - 10.4	11.1	0.269	
FTASB-11	9.5 - 10.0	6.2	0.288	
FTASB-12	8.0 - 10.0	11.3	0.268	
FTASB-13	2.5 - 4.5	22	0.227	
FTASB-14	4.5 - 6.5	8.8	0.278	
FTASB-15	4.5 - 6.5	5.4	0.291	
FTASB-16	6.5 - 8.1	3.1	0.300	
FTASB-17	4.5 - 6.5	2	0.304	
HMW-10	2.0 - 4.0	11.8	0.266	
HMW-11	2.0 - 4.0	2.7	0.301	
HMW-11	6.0 - 8.0	2.2	0.303	
HMW-12	1.5 - 3.0	2.5	0.302	
HMW-12	4.5 - 6.0	2	0.304	
HMW-13	2.0 - 4.0	16.4	0.249	
HMW-13	8.0 - 10.0	3.2	0.299	Rejected

Detects-only Data	LN (Detects-only data)
22	3.091042
8.8	2.174752
5.4	1.686399
3.1	1.131402
2	0.693147
11.8	2.4681
2.7	0.993252
2.2	0.788457
2.5	0.916291
2	0.693147
16.4	2.797281

AITCHISON'S ADJUSTMENT FOR NONDETECTS

Mean (Detect-Only)	2.288		
Std. Dev. (Detect-Only)	1.080		
Total no. of samples	56		
Number of NDs	14		
Adjusted Mean	1.716	mg/kg	log-transformed
Adjusted Std. Dev.	1.367	mg/kg	log-transformed
ubc	3.964201		
exp ubc	52.67815		

LN data	Test Statistic for LN data: Txx for outlier
1.972691	0.344599
0.993252	1.002344
2.70805	0.149233
1.547563	0.630095
4.70953	1.493332
2.70805	0.149233
2.433613	0.035065
2.04122	0.298578
2.433613	0.035065
2.631889	0.098087
1.223775	0.847535
2.517696	0.021401
2.833213	0.233287
0.916291	1.054027
1.252763	0.828068
0.875469	1.081441
4.077537	1.068915
2.406945	0.052975
1.824549	0.444084
2.424803	0.040982
3.091042	0.406433
2.174752	0.208905
1.686399	0.536859
1.131402	0.909568
0.693147	1.203879
2.4681	0.011906
0.993252	1.002344
0.788457	1.139874
0.916291	1.054027
0.693147	1.203879
2.797281	0.209157
1.163151	0.888247



LEGEND:

- Mercury (mg/kg)

The Data Failed all Tests of Normality.
Probability Plot is Detects-Only. 44% NDs.

Upper Background Concentration: **0.39 mg/kg**
The maximum observed value, 0.40mg/kg, was not used for the UBC,as it was from a sample location that exceeded the UBC for another parameter. Based on non-parametric analysis, the UBC was set equal to the next highest value detected.
5% Significance Level and 98% Expected Coverage.

Total of 63 samples, of which 57 data points were used for UBC and 32 for Probability Plot.
One Data Point, BH-13 (0.79), is a statistical outlier.
By ASTM Designation E178-75, 1975.
5% Significance Level.
Five data points, BH-10 (0.40), BH-11 (0.38), BH-13 (0.38), FTASB-11 (0.034), and HWM-13 (0.03), are rejected due to being outliers in other metals data sets.

Distribution of Background Mercury
in Soils at Hunter Army Airfield

MERCURY

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic	
BH-10	0 - 1	0.46	1.986	Rejected
BH-10	7.5-8.5	0.39	1.915	
BH-11	0 - 1	0.38	1.844	Rejected
BH-11	7.5-8.5	0.38	1.844	
BH-12	0 - 1	0.40	1.986	
BH-12	6.5-7.5	0.38	1.844	
BH-13		0.79	4.743	Outlier
BH-13	0 - 1	0.38	1.844	Rejected
BH-13	6.0-7.5	0.39	1.915	
HSB-1	8 - 10	< 0.10	0.135	
HSB-2	3 - 5	< 0.11	0.064	
HSB-3	6 - 8	< 0.11	0.064	
HSB-4	2 - 4	< 0.11	0.064	
HSB-5	5 - 8	< 0.12	0.007	
HSB-6	8 - 10	< 0.12	0.007	
HS-1	0 - 1	< 0.09	0.205	
HS-2	3 - 4	< 0.10	0.135	
HS-3	0 - 1	< 0.10	0.135	
HS-4	3 - 4	< 0.10	0.135	
HS-10	0 - 1	< 0.09	0.205	
HS-11	3.5 - 4	< 0.10	0.135	
HS-12	0 - 1	< 0.09	0.205	
HS-13	3.5 - 4	< 0.09	0.205	
HS-14	5.5 - 6.5	< 0.10	0.135	
HS-18	0 - 1	< 0.09	0.205	
HS-19	3.5 - 4	< 0.10	0.135	
HS-7	0 - 1	< 0.10	0.135	
HS-8	3 - 5	< 0.10	0.135	
HS-9	7.5 - 8.5	< 0.09	0.205	
HS-15	0 - 1	< 0.09	0.205	
HS-16	3 - 4	< 0.09	0.205	
HS-17	6 - 7	< 0.09	0.205	
FTASB-04	0.5 - 1.0	0.02	0.700	
FTASB-06	0.5 - 1.0	0.035	0.594	
FTASB-09	0.5 - 1.0	0.025	0.665	
FTASB-10	0.5 - 1.0	0.042	0.545	
FTASB-11	0.5 - 1.0	0.094	0.601	Rejected
FTASB-12	0.5 - 1.0	0.042	0.545	
FRASB-13	0.5 - 2.5	0.045	0.524	
FTASB-14	0.5 - 2.5	0.032	0.615	
FTASB-15	0.5 - 2.5	0.026	0.658	
FTASB-16	0.5 - 2.5	0.019	0.707	
FTASB-17	0.5 - 2.5	0.045	0.524	
HMW-10	0.0 - 2.0	0.046	0.516	

*All Data * /DLs*	
Mean	0.119063
Std. Error	0.017824
Median	0.09
Mode	0.1
Std. Dev.	0.141471
Variance	0.020014
Kurtosis	7.759826
Skewness	2.585037
Range	0.771
Minimum	0.019
Maximum	0.79
Sum	7.501
Count	63
Crit. Val.	3.044

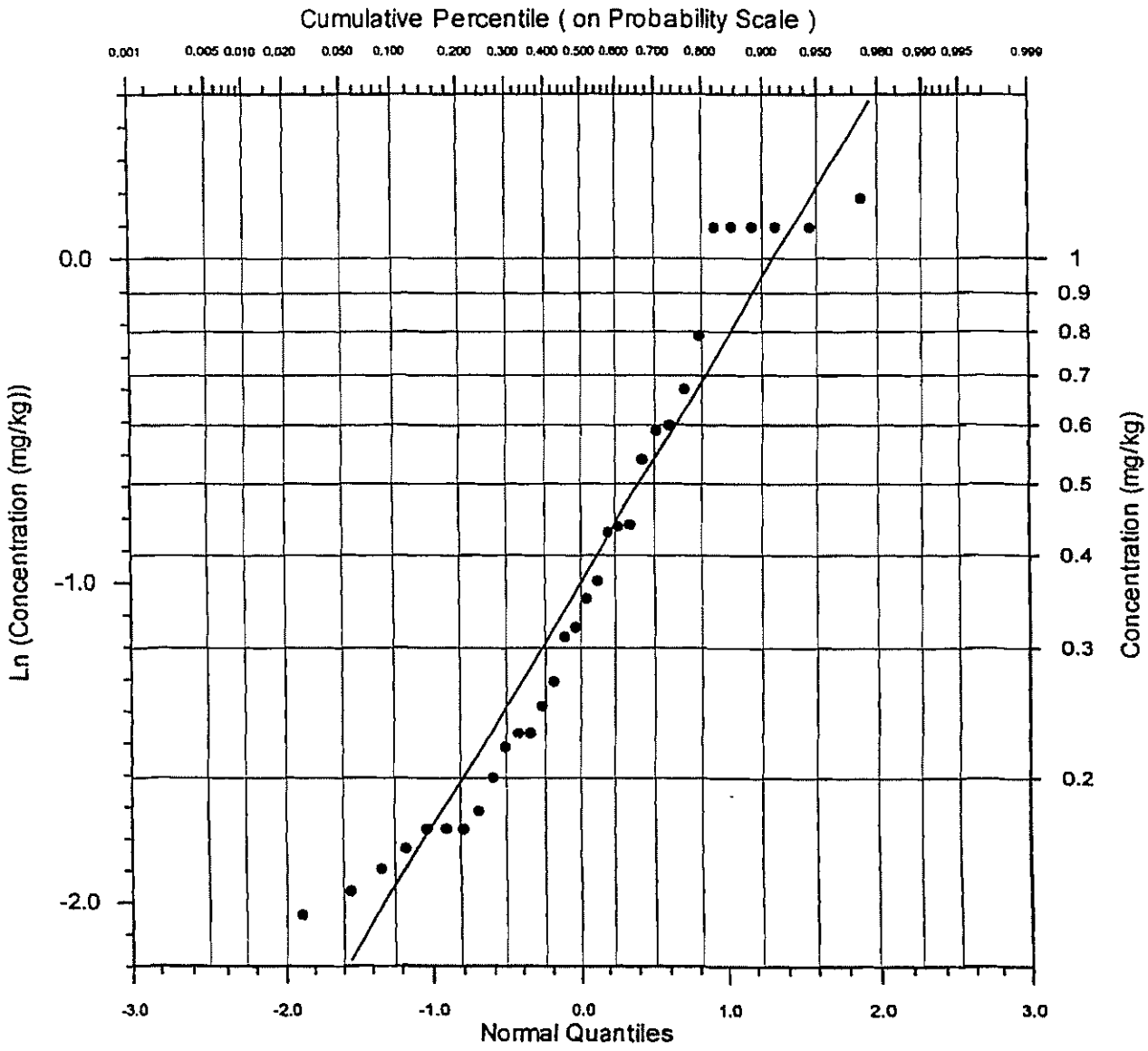
Test Statistic for LN data

LN data			Txx for outlier
-0.916291			1.847174
-0.941609			1.819113
-0.967584			1.790323
-0.967584	*Column1*		1.790323
-0.916291			1.847174
-0.967584	Mean	-2.582898	1.790323
-0.235722	Standard E	0.113672	2.601478
-0.967584	Median	-2.407946	1.790323
-0.941609	Mode	-2.302585	1.819113
-2.302585	Standard D	0.902247	0.310683
-2.207275	Sample Va	0.814049	0.416319
-2.207275	Kurtosis	-0.194112	0.416319
-2.207275	Skewness	0.630629	0.416319
-2.120264	Range	3.727594	0.512758
-2.120264	Minimum	-3.963316	0.512758
-2.407946	Maximum	-0.235722	0.193907
-2.302585	Sum	-162.7226	0.310683
-2.302585	Count	63	0.310683
-2.302585			0.310683
-2.407946			0.193907
-2.302585			0.310683
-2.407946			0.193907
-2.407946			0.193907
-2.302585			0.310683
-2.407946			0.193907
-2.302585			0.310683
-2.302585			0.310683
-2.302585			0.310683
-2.407946			0.193907
-2.407946			0.193907
-2.407946			0.193907
-2.407946			0.193907
-3.912023			1.473128
-3.352407			0.852681
-3.688879			1.225808
-3.170086			0.650806
-3.381395			0.885009
-3.170086			0.650806
-3.101093			0.574338
-3.442019			0.952202
-3.649659			1.182338
-3.963316			1.529979
-3.101093			0.574338
-3.079114			0.549978

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MERCURY

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic		Test Statistic for LN data	
					LN data	Txx for outlier
HMW-12	1.5 - 3.0	0.035	0.594		-3.352407	0.852881
FTASB-04	9.0 - 10.5	0.022 J	0.686		-3.816713	1.367491
FTASB-06	8.5 - 10.5	< 0.13	0.077		-2.040221	0.601473
FTASB-09	6.0 - 7.0	0.033 J	0.608		-3.411248	0.918097
FTASB-10	9.1 - 10.4	0.033 J	0.608		-3.411248	0.918097
FTASB-11	9.5 - 10.0	< 0.12	0.007		-2.120264	0.512758
FTASB-12	8.0 - 10.0	0.02 J	0.700		-3.912023	1.473128
FTASB-13	2.5 - 4.5	0.071 JQ	0.340		-2.645075	0.068914
FTASB-14	4.5 - 6.5	0.041 JQ	0.552		-3.194183	0.677514
FTASB-15	4.5 - 6.5	0.045	0.524		-3.101093	0.574338
FTASB-16	6.5 - 8.1	0.031	0.622		-3.473768	0.987391
FTASB-17	4.5 - 6.5	0.11	0.064		-2.207275	0.416319
HMW-10	2.0 - 4.0	0.033	0.608		-3.411248	0.918097
HMW-11	2.0 - 4.0	0.034	0.601		-3.381395	0.885009
HMW-11	6.0 - 8.0	0.032	0.615		-3.442019	0.952202
HMW-12	1.5 - 3.0	0.035	0.594		-3.352407	0.852881
HMW-12	4.5 - 6.0	0.032	0.615		-3.442019	0.952202
HMW-13	2.0 - 4.0	0.033	0.608		-3.411248	0.918097
HMW-13	8.0 - 10.0	0.03	0.630	Rejected	-3.506558	1.023733



LEGEND:

- Selenium (mg/kg)

LN(Data) Passed The Filliben Test of NormalityIndicating the Data are Lognormal.
Probability Plot is Detects-Only. 44% NDs. Aitchison's Adjustment used for UBC calculation.

Upper Background Concentration: **1.9 mg/kg**
LN(Data) Adjusted mean + 1.645 Adjusted Standard Deviations.
LN(Data) Adjusted Mean: -0.561 SD: 0.735.

Total of 63 samples, of which 57 data points were used for UBC and 32 for Probability Plot.
No Data Points are statistical outliers.
By ASTM Designation E178-75, 1975.
5% Significance Level.
Six data points, BH-10 (<0.20), BH-11 (<0.20), BH-13 (0.22), BH-13(0.33), FTASB-11 (0.28), and HWM-13 (0.23), are rejected due to being outliers in other metals data sets.

Distribution of Background Selenium
in Soils at Hunter Army Airfield

SELENIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic
BH-10	0 - 1	< 0.20	0.676
BH-10	7.5-8.5	< 0.20	0.676
BH-11	0 - 1	< 0.20	0.676
BH-11	7.5-8.5	< 0.20	0.676
BH-12	0 - 1	0.79	1.486
BH-12	6.5-7.5	0.60	0.789
BH-13		0.22	0.603
BH-13	0 - 1	0.33	0.200
BH-13	6.0-7.5	< 0.20	0.676
HSB-1	8 - 10	< 0.42	0.130
HSB-2	3 - 5	< 0.45	0.240
HSB-3	6 - 8	< 0.47	0.313
HSB-4	2 - 4	< 0.46	0.276
HSB-5	5 - 8	0.67	1.046
HSB-6	8 - 10	< 0.47	0.313
HS-1	0 - 1	< 0.27	0.420
HS-2	3 - 4	< 0.29	0.347
HS-3	0 - 1	< 0.28	0.383
HS-4	3 - 4	< 0.29	0.347
HS-10	0 - 1	< 0.26	0.456
HS-11	3.5 - 4	< 0.28	0.383
HS-12	0 - 1	< 0.27	0.420
HS-13	3.5 - 4	< 0.28	0.383
HS-14	5.5 - 6.5	< 0.28	0.383
HS-18	0 - 1	< 0.26	0.456
HS-19	3.5 - 4	< 0.28	0.383
HS-7	0 - 1	< 0.28	0.383
HS-8	3 - 5	< 0.28	0.383
HS-9	7.5 - 8.5	< 0.27	0.420
HS-15	0 - 1	< 0.27	0.420
HS-16	3 - 4	< 0.26	0.456
HS-17	6 - 7	< 0.28	0.383
FTASB-04	0.5 - 1.0	0.35	0.127
FTASB-06	0.5 - 1.0	0.438	0.196
FTASB-09	0.5 - 1.0	0.59	0.753
FTASB-10	0.5 - 1.0	0.32	0.237
FTASB-11	0.5 - 1.0	0.28	0.383
FTASB-12	0.5 - 1.0	0.27	0.420
FRASB-13	0.5 - 2.5	0.17	0.786
FTASB-14	0.5 - 2.5	1.1	2.622
FTASB-15	0.5 - 2.5	1.1	2.622
FTASB-16	0.5 - 2.5	1.1	2.622
FTASB-17	0.5 - 2.5	1.1	2.622

All Data w / DLs	
Mean	0.384571
Std. Error	0.034383
Median	0.28
Mode	0.28
Std. Dev.	0.272904
Variance	0.074477
Kurtosis	2.695918
Skewness	1.891535
Range	1.07
Minimum	0.13
Maximum	1.2
Sum	24.228
Count	63
Crit. Val.	3.044

Detects-only Data	LN (Detects-only data)	*LN Detects-only Data*		LN data
0.790	-0.235722	Mean	-1.000075	-1.609438
0.600	-0.510826	Std. Error	0.127877	-1.609438
0.670	-0.400478	Median	-1.094628	-0.235722
0.350	-1.049822	Mode	0.09531	-0.510826
0.438	-0.825536	Std. Dev.	0.723383	-1.514128
0.590	-0.527633	Variance	0.523283	-1.108663
0.320	-1.139434	Kurtosis	-1.227867	-1.609438
0.270	-1.309333	Skewness	0.313246	-0.867501
0.170	-1.771957	Range	2.222542	-0.798508
1.100	0.09531	Minimum	-2.040221	-0.755023
1.100	0.09531	Maximum	0.182322	-0.776529
1.100	0.09531	Sum	-32.0024	-0.400478
1.100	0.09531	Count	32	-0.755023
0.200	-1.609438			-1.309333
0.230	-1.469676			-1.237874
0.170	-1.771957			-1.272966
0.150	-1.89712			-1.237874
0.430	-0.84397			-1.272966
0.140	-1.966113			-1.237874
0.130	-2.040221			-1.347074
0.180	-1.714798			-1.272966
0.310	-1.171183			-1.309333
0.170	-1.771957			-1.272966
0.160	-1.832581			-1.272966
1.200	0.182322			-1.347074
1.100	0.09531			-1.272966
0.220	-1.514128			-1.272966
0.250	-1.386294			-1.272966
0.370	-0.994252			-1.309333
0.230	-1.469676			-1.309333
0.540	-0.616186			-1.347074
0.440	-0.820981			-1.272966
				-1.049822
				-0.825536
				-0.527633
				-1.139434
				-1.272966
				-1.309333
				-1.771957
				0.09531
				0.09531
				0.09531
				0.09531

Test Statistic for LN data		Txx for outlier
		0.857429
		0.857429
		0.857429
Column1		0.857429
Mean	-1.131835	1.608772
Standard E	0.070178	1.114885
Median	-1.272966	0.686321
Mode	-1.272966	0.041602
Standard D	0.557017	0.857429
Sample Va	0.310268	0.474555
Kurtosis	0.261177	0.598416
Skewness	0.907926	0.676484
Range	2.222542	0.637874
Minimum	-2.040221	1.312991
Maximum	0.182322	0.676484
Sum	-71.30563	0.318658
Count	63	0.190369
		0.253368
		0.190369
		0.386412
		0.253368
		0.318658
		0.253368
		0.253368
		0.386412
		0.253368
		0.253368
		0.253368
		0.318658
		0.318658
		0.386412
		0.253368
		0.147237
		0.549892
		1.084712
		0.013642
		0.253368
		0.318658
		1.149196
		2.203067
		2.203067
		2.203067
		2.203067

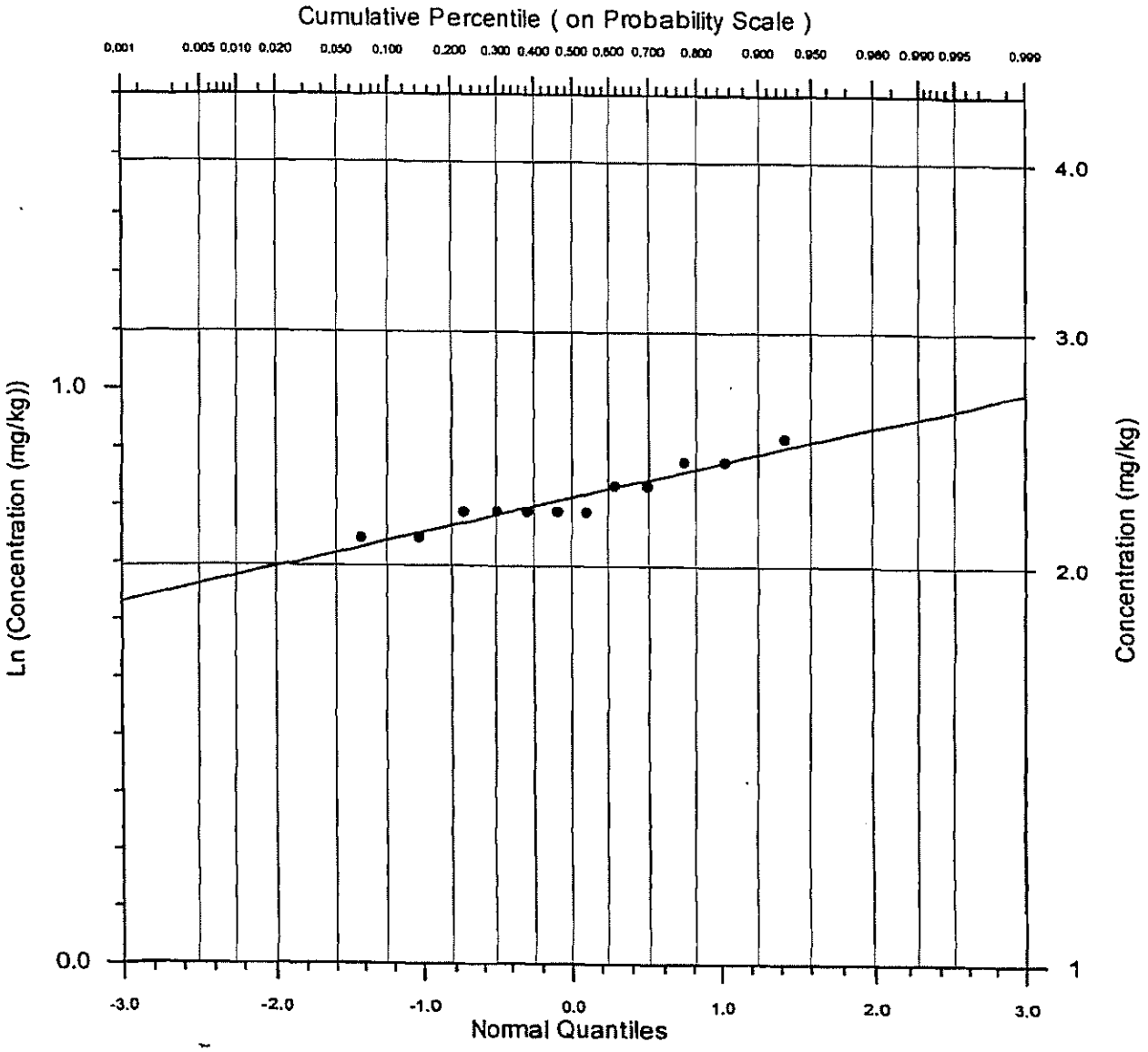
AITCHISON'S ADJUSTMENT FOR NONDETECTS

Mean (Detect-Only)	-1.000	
Std. Dev. (Detect-Only)	0.723	
Total no. of samples	57	
Number of NDs	25	
Adjusted Mean	**-0.561**	mg/kg log-transformed
Adjusted Std. Dev.	**0.735**	mg/kg log-transformed

SELENIUM

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic
HMW-10	0.0 - 2.0	0.2	0.676
HMW-12	1.5 - 3.0	0.23	0.566
FTASB-04	9.0 - 10.5	0.17 J	0.786
FTASB-06	8.5 - 10.5	0.15 J	0.860
FTASB-09	6.0 - 7.0	0.43 J	0.166
FTASB-10	9.1 - 10.4	0.14 J	0.896
FTASB-11	9.5 - 10.0	0.13 J	0.933
FTASB-12	8.0 - 10.0	0.18 J	0.750
FTASB-13	2.5 - 4.5	0.31 JQ	0.273
FTASB-14	4.5 - 6.5	0.17	0.786
FTASB-15	4.5 - 6.5	0.16	0.823
FTASB-16	6.5 - 8.1	1.2	2.988
FTASB-17	4.5 - 6.5	1.1	2.622
HMW-10	2.0 - 4.0	0.22	0.603
HMW-11	2.0 - 4.0	0.25	0.493
HMW-11	6.0 - 8.0	0.37	0.053
HMW-12	1.5 - 3.0	0.23	0.566
HMW-12	4.5 - 6.0	0.54	0.570
HMW-13	2.0 - 4.0	0.44	0.203
HMW-13	8.0 - 10.0	0.23	0.566

	Detects-only Data	LN (Detects-only data)	LN data	Test Statistic for LN data Txx for outlier
ubc	0.6477564		-1.609438	0.857429
exp ubc	1.9112479		-1.469676	0.606518
			-1.771957	1.149196
			-1.89712	1.373898
			-0.84397	0.516798
			-1.966113	1.49776
			-2.040221	1.630804
			-1.714798	1.046581
			-1.171183	0.07064
			-1.771957	1.149196
			-1.832581	1.258034
			0.182322	2.359277
			0.09531	2.203067
			-1.514128	0.686321
			-1.386294	0.456824
			-0.994252	0.247
			-1.469676	0.606518
			-0.616186	0.925734
			-0.820981	0.558071
			-1.469676	0.606518



LEGEND:

- Silver (mg/kg)

Due to high percentage of non-detects the data can not be validly normalized.
Probability Plot is Detects-Only. 79% NDs.

Upper Background Concentration: **2.6 mg/kg**
Based on non-parametric analysis, UBC is set equal to the maximum observed value.
5% Significance Level and 98% expected coverage.

Total of 63 samples, of which 57 data points were used for UBC and 12 for Probability Plot.
One Data Point, BH-13 (<7.98), is determined to be a statistical outlier.
By ASTM Designation E178-75, 1975.
5% significance level.
Five data points, BH-10 (<3.99), BH-11 (<3.99), BH-13 (<3.99), FTASB-11 (2.2), and HMW-13 (<2.3), are rejected due to being outliers in other metals data sets.

Distribution of Background Silver
in Soils at Hunter Army Airfield

SILVER

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic
BH-10	0 - 1	< 3.99	1.468595
BH-10	7.5-8.5	< 3.99	1.468595
BH-11	0 - 1	< 3.99	1.468595
BH-11	7.5-8.5	< 3.99	1.468595
BH-12	0 - 1	< 3.99	1.468595
BH-12	6.5-7.5	< 3.99	1.468595
BH-13		< 7.98	4.51297
BH-13	0 - 1	< 3.99	1.468595
BH-13	6.0-7.5	< 3.99	1.468595
HSB-1	8 - 10	< 0.60	1.117978
HSB-2	3 - 5	< 0.65	1.079828
HSB-3	6 - 8	< 0.68	1.056938
HSB-4	2 - 4	< 0.66	1.072198
HSB-5	5 - 8	< 0.73	1.018788
HSB-6	8 - 10	< 0.68	1.056938
HS-1	0 - 1	< 0.78	0.980638
HS-2	3 - 4	< 0.86	0.919598
HS-3	0 - 1	< 0.81	0.957748
HS-4	3 - 4	< 0.83	0.942488
HS-10	0 - 1	< 0.77	0.988268
HS-11	3.5 - 4	< 0.82	0.950118
HS-12	0 - 1	< 0.77	0.988268
HS-13	3.5 - 4	< 0.82	0.950118
HS-14	5.5 - 6.5	< 0.82	0.950118
HS-18	0 - 1	< 0.75	1.003528
HS-19	3.5 - 4	< 0.82	0.950118
HS-7	0 - 1	< 0.81	0.957748
HS-8	3 - 5	< 0.80	0.965378
HS-9	7.5 - 8.5	< 0.80	0.965378
HS-15	0 - 1	< 0.76	0.995898
HS-16	3 - 4	< 0.78	0.980638
HS-17	6 - 7	< 0.81	0.957748
FTASB-04	0.5 - 1.0	2.2	0.102823
FTASB-06	0.5 - 1.0	2.1	0.026523
FTASB-09	0.5 - 1.0	2.5	0.331724
FTASB-10	0.5 - 1.0	2.3	0.179124
FTASB-11	0.5 - 1.0	2.2	0.102823
FTASB-12	0.5 - 1.0	2.4	0.255424
FRASB-13	0.5 - 2.5	2.2	0.102823
FTASB-14	0.5 - 2.5	2.2	0.102823
FTASB-15	0.5 - 2.5	2.2	0.102823
FTASB-16	0.5 - 2.5	2.1	0.026523
FTASB-17	0.5 - 2.5	2.2	0.102823
HMW-10	0.0 - 2.0	2.3	0.179124

All Data " /DLs	
Mean	2.065238
Std. Error	0.165122
Median	2.2
Mode	2.4
Std. Dev.	1.310614
Variance	1.717709
Kurtosis	5.285285
Skewness	1.585052
Range	7.38
Minimum	0.6
Maximum	7.98
Sum	130.11
Count	63
Crit. Val.	3.044

Test Statistic for LN data

LN data			Txx for outlier
1.383791			1.311066
1.383791			1.311066
1.383791			1.311066
1.383791	*Column1*		1.311066
1.383791			1.311066
1.383791	Mean	0.527662	1.311066
2.076938	Standard E	0.06227	2.372545
1.383791	Median	0.788457	1.311066
1.383791	Mode	0.875469	1.311066
-0.510826	Standard E	0.653002	1.590329
-0.430783	Sample Va	0.426411	1.467753
-0.385662	Kurtosis	-1.136188	1.398656
-0.415515	Skewness	-0.139387	1.444372
-0.314711	Range	2.587764	1.290001
-0.385662	Minimum	-0.510826	1.398656
-0.248461	Maximum	2.076938	1.188548
-0.150823	Sum	33.24273	1.039025
-0.210721	Count	63	1.130753
-0.18633			1.0934
-0.261365			1.208308
-0.198451			1.111962
-0.261365			1.208308
-0.198451			1.111962
-0.198451			1.111962
-0.287682			1.24861
-0.198451			1.111962
-0.210721			1.130753
-0.223144			1.149776
-0.223144			1.149776
-0.274437			1.228326
-0.248461			1.188548
-0.210721			1.130753
0.788457			0.399379
0.741937			0.328138
0.916291			0.595141
0.832909			0.467451
0.788457			0.399379
0.875469			0.532627
0.788457			0.399379
0.788457			0.399379
0.788457			0.399379
0.741937			0.328138
0.788457			0.399379
0.832909			0.467451

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SILVER

Sample ID	Sample Depth (feet)	Concentration (mg/kg)	Outlier Test Statistic	Test Statistic for LN data: LN data	Test Statistic for LN data: Txx for outlier
HMW-12	1.5 - 3.0	2.4	0.255424	0.875469	0.532627
FTASB-04	9.0 - 10.5	< 2.4	0.255424	0.875469	0.532627
FTASB-06	8.5 - 10.5	< 2.6	0.408024	0.955511	0.655203
FTASB-09	6.0 - 7.0	< 2.3	0.179124	0.832909	0.467451
FTASB-10	9.1 - 10.4	< 2.4	0.255424	0.875469	0.532627
FTASB-11	9.5 - 10.0	< 2.4	0.255424	0.875469	0.532627
FTASB-12	8.0 - 10.0	< 2.5	0.331724	0.916291	0.595141
FTASB-13	2.5 - 4.5	< 2.6	0.408024	0.955511	0.655203
FTASB-14	4.5 - 6.5	< 2.3	0.179124	0.832909	0.467451
FTASB-15	4.5 - 6.5	< 2.3	0.179124	0.832909	0.467451
FTASB-16	6.5 - 8.1	< 2.4	0.255424	0.875469	0.532627
FTASB-17	4.5 - 6.5	< 2.2	0.102823	0.788457	0.399379
HMW-10	2.0 - 4.0	< 2.4	0.255424	0.875469	0.532627
HMW-11	2.0 - 4.0	< 2.4	0.255424	0.875469	0.532627
HMW-11	6.0 - 8.0	< 2.6	0.408024	0.955511	0.655203
HMW-12	1.5 - 3.0	< 2.4	0.255424	0.875469	0.532627
HMW-12	4.5 - 6.0	< 2.4	0.255424	0.875469	0.532627
HMW-13	2.0 - 4.0	< 2.4	0.255424	0.875469	0.532627
HMW-13	8.0 - 10.0	< 2.3	0.179124	0.832909	0.467451

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Georgia Department of Natural Resources
205 Butler Street, SE, Suite 1462, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/657-8600

May 8, 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Col. Gregory V. Stanley
Department of the Army
1550 Cochran Drive
Fort Stewart, GA 31314

Re: Response to 3/19/01 Meeting Letter
Hunter Army Airfield
HSI #10105

Dear Col. Stanley:

The Georgia Environmental Protection Division (EPD) has received your compliance status report (CSR) response letter dated March 5, 2001 and your April 16, 2001 correspondence following up on our March 19, 2001 meeting regarding the above referenced site. EPD was asked to address issues raised during our meeting pertaining to calculated background concentrations, the methodology used to calculate the background concentrations, and future sampling locations:

1. Background Concentrations - The proposed background concentrations presented on page 5 of CSR response are acceptable to EPD. It should be noted that although Table 2 of Appendix III should not be used for determining site-specific background concentrations, it is useful for comparative purposes in that most background concentrations will be below those levels.

2. Statistical Calculations – The statistical methods described can be used for determining background concentrations; however, they do not necessarily apply to all sites due to variations in site-specific data. The method used to determine multiple outliers in a dataset should be stated in the revised CSR and included in an appendix along with the other statistical methods used in the CSR.

3. Proposed Sampling Locations – The sample locations shown in Figure 1 of the CSR response surrounding SB-30 appear sufficient to delineate the site with the following exceptions. Two more sample locations (in addition to SB-45) are needed to delineate the southern boundary near SB-35. One location is needed to the west of SB-45 and south of SB-36. The other location to be added is to the east of SB-45 across Lightning Road. The purpose of proposed sampling locations SB-47 and SB-48 is unclear and needs to be explained before EPD can comment on them.

For specific answers to questions concerning risk assessment calculations and ecological evaluations, you may contact Michelle Burgess or Ahmet Bulbakaya at (404) 656-7802. Please contact David Brownlee of the Hazardous Site Response Program at (404) 657-8600 if you have questions regarding this letter.

Sincerely,

Jane Hendricks
Unit Coordinator
Hazardous Sites Response Program

c: Melanie Little

File: Site #10105

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TABLE A-1
1987 RESULTS OF SOIL SAMPLING
Environmental Science and
Engineering, Inc.

TABLE A-1

1987 RESULTS OF SOIL SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Sample ID	BH-10		BH-11		BH-12		BH-13			QA ALCOHOL	QA WASH
	Sample Depth	0-1 FT.	7.5-8.5 FT.	0-1 FT.	7.5-8.5 FT.	0-1 FT.	6.5-7.5 FT.		0-1 FT.	6.0-7.5 FT.		
2 METHYLNAPHTHALENE	UG/KG	<1.00	19000.00	<1.00	12000.00	<1.00	10000.00	<2.00	<1.00	<1.00	<1.00	<1.00
ARSENIC	UG/G	5.99	2.00	13.90	3.88	4.00	<1.96	11.98	7.75	3.94	<1.96	<1.96
BARIUM	UG/G	64.40	9.19	33.50	18.10	7.19	8.12	27.10	19.80	8.28	<0.01	<0.01
BIS (2 ETHYLHEXYL) PHTHALATE	UG/KG	<1.00	1.70	<1.00	900.00	<1.00	300.00	<3.00	<1.00	NRQ	<1.00	<1.00
CADMIUM	UG/G	<1.98	<1.98	1.99	<1.98	<1.98	<1.98	0.02	3.87	<1.98	<1.98	<1.98
CHROMIUM	UG/G	12.80	<3.96	4.16	<3.96	5.19	<3.96	2.84	9.10	<3.96	<3.96	<3.96
DI-N-LATEBUTYLPHTHALATE	UG/KG	<1.00	1300.00	<1.00	600.00	<1.00	2400.00	<2.00	<1.00	<1.00	<1.00	<1.00
DIETHYLPHTHALATE	UG/KG	<1.00	<1.00	<1.00	<1.00	<1.00	200.00	<2.00	<1.00	<1.00	<1.00	<1.00
FLUORENE	UG/KG	<1.00	400.00	<1.00	<1.00	<1.00	200.00	<3.00	<1.00	NRQ	<1.00	<1.00
LEAD	UG/G	645.00	35.90	1163.70	NRQ	102.00	19.30	1179.80	1185.00	13.80	<1.98	<1.98
MERCURY	UG/G	0.40	0.39	0.38	0.38	0.40	0.38	0.79	0.38	0.39	<0.04	<0.04
NAPHTHALENE	UG/KG	<1.00	10000.00	<1.00	7000.00	<1.00	5800.00	<2.00	<1.00	<1.00	<1.00	<1.00
PHENANTHRENE	UG/KG	<1.00	900.00	<1.00	<1.00	<1.00	200.00	<3.00	<1.00	NRQ	<1.00	<1.00
SELENIUM	UG/G	<0.20	<0.20	<0.20	<0.20	0.79	0.60	0.22	0.33	<0.20	<0.20	<0.20
SILVER	UG/G	<3.99	<3.99	<3.99	<3.99	<3.99	<3.99	<7.98	<3.99	<3.99	<3.99	<3.99

Source: ESE, 1993

TABLE A-2
1990 RESULTS OF SOIL AND SEDIMENT SAMPLING
Environmental Science and
Engineering, Inc.

TABLE A-2

1990 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS	Sample ID / Sample Depth / Date / Time / UNITS	SOIL							SEDIMENT					
		HSB-1	HSB-2	HSB-3	HSB-4	HSB-5	HSB-6	TRPBLK	SD-1	SD-2	SD-3	SD-3DUP	TRPBLK	RINSEBLK
		8-10 FT.	3-5 FT.	6-8 FT.	2-4 FT.	5-8 FT.	8-10 FT.							
		02/12/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90
	UNITS	17:05	07:45	08:35	09:35	11:35	12:45	12:00	09:00	09:20	09:30	09:30	10:30	10:45
ACENAPHTHENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<3.80
ACENAPHTHYLENE	UG/KG-DRY	<96.00	400.00	<110.00	<110.00	<120.00	<110.00	NRQ	<530.00	<120.00	3100.00	2000.00	NRQ	NRQ
ACENAPHTHYLENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.70
ACETONE	UG/KG-DRY	<18.00	<19.00	<2500.00	<20.00	27000.00	<20.00	NRQ	40.00	110.00	120.00	<21.00	NRQ	NRQ
ACETONE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<17.00	NRQ	NRQ	NRQ	NRQ	<17.00	<17.00
ANTHRACENE	UG/KG-DRY	<75.00	1300.00	<85.00	<83.00	<91.00	<85.00	NRQ	3000.00	<97.00	8200.00	9300.00	NRQ	NRQ
ANTHRACENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.10
ARSENIC, SED	MG/KG-DRY	<0.48	<0.52	<0.54	0.65	0.85	<0.55	NRQ	<0.53	0.76	<0.57	<0.57	NRQ	NRQ
ARSENIC, TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.30
BARIUM, SED	MG/KG-DRY	3.83	5.97	6.21	4.44	15.40	11.20	NRQ	19.80	8.46	13.40	229.00	NRQ	NRQ
BARIUM, TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.70
BENZENE	UG/KG-DRY	<1.20	<1.30	<170.00	<1.30	<1800.00	<1.30	NRQ	<1.30	<1.50	15.00	31.00	NRQ	NRQ
BENZENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.10	NRQ	NRQ	NRQ	NRQ	<1.10	<1.10
BENZO(A)ANTHRACENE	UG/KG-DRY	<62.00	4900.00	<70.00	<68.00	<75.00	<70.00	NRQ	13000.00	<79.00	26000.00	33000.00	NRQ	NRQ
BENZO(A)ANTHRACENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.80
BENZO(A)PYRENE	UG/KG-DRY	<180.00	3400.00	<210.00	<200.00	<220.00	<210.00	NRQ	9200.00	<230.00	18000.00	27000.00	NRQ	NRQ

TABLE A-2

1990 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS	Sample ID / Sample Depth / Date / Time / UNITS	SOIL							SEDIMENT					
		HSB-1	HSB-2	HSB-3	HSB-4	HSB-5	HSB-6	TRPBLK	SD-1	SD-2	SD-3	SD-3DUP	TRPBLK	RINSEBLK
		8-10 FT.	3-5 FT.	6-8 FT.	2-4 FT.	5-8 FT.	8-10 FT.							
		02/12/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90
		17:05	07:45	08:35	09:35	11:35	12:45	12:00	09:00	09:20	09:30	09:30	10:30	10:45
BENZO(A)PYRENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<5.20
BENZO(B)FLUORANTHENE	UG/KG-DRY	<130.00	5000.00	<150.00	<150.00	<160.00	<150.00	NRQ	16000.00	<170.00	21000.00	27000.00	NRQ	NRQ
BENZO(B)FLUORANTHENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<3.80
BENZO(GHI)PERYLENE	UG/KG-DRY	<74.00	2200.00	<84.00	<81.00	<89.00	<84.00	NRQ	6200.00	<95.00	13000.00	17000.00	NRQ	NRQ
BENZO(GHI)PERYLENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.10
BENZO(K)FLUORANTHENE	UG/KG-DRY	<170.00	2500.00	<190.00	<180.00	<200.00	<190.00	NRQ	7200.00	<210.00	17000.00	29000.00	NRQ	NRQ
BENZO(K)FLUORANTHENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<4.70
BROMODICHLOROMETHANE	UG/KG-DRY	<1.00	<1.10	<150.00	<1.20	<1600.00	<1.20	NRQ	<1.10	<1.30	<1.20	<1.20	NRQ	NRQ
BROMODICHLOROMETHANE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.98	NRQ	NRQ	NRQ	NRQ	<0.98	<0.98
BROMOFLUOROBENZENE	UG/KG-DRY	52.00	46.00	62.00	50.00	54.00	50.00	NRQ	54.00	61.00	67.00	65.00	NRQ	NRQ
BROMOFLUOROBENZENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	45.00
BROMOFORM	UG/KG-DRY	<2.60	<2.80	<370.00	<2.90	<3900.00	<2.90	NRQ	<2.80	<3.30	<3.00	<3.00	NRQ	NRQ
BROMOFORM (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.50	NRQ	NRQ	NRQ	NRQ	<2.50	<2.50
BROMOMETHANE	UG/KG-DRY	<1.20	<1.30	<170.00	<1.40	<1900.00	<1.40	NRQ	<1.30	<1.60	<1.40	<1.40	NRQ	NRQ
BROMOMETHANE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.20	NRQ	NRQ	NRQ	NRQ	<1.20	<1.20
CADMIUM, SED	MG/KG-DRY	<0.37	<0.40	<0.42	<0.41	<0.45	<0.42	NRQ	<0.41	<0.47	<0.44	<0.44	NRQ	NRQ

TABLE A-2
1990 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS	Sample ID / Sample Depth / Date / Time / UNITS	SOIL							SEDIMENT					
		HSB-1	HSB-2	HSB-3	HSB-4	HSB-5	HSB-6	TRPBLK	SD-1	SD-2	SD-3	SD-3DUP	TRPBLK	RINSEBLK
		8-10 FT.	3-5 FT.	6-8 FT.	2-4 FT.	5-8 FT.	8-10 FT.							
		02/12/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90
		17:05	07:45	08:35	09:35	11:35	12:45	12:00	09:00	09:20	09:30	09:30	10:30	10:45
CADMIUM,TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<3.50
CARBON DISULFIDE	UG/KG-DRY	<3.30	<3.60	<460.00	<3.70	<5000.00	<3.70	NRQ	<3.60	23.00	<3.80	<3.80	NRQ	NRQ
CARBON DISULFIDE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<3.10	NRQ	NRQ	NRQ	NRQ	<3.10	<3.10
CARBON TETRACHLORIDE	UG/KG-DRY	<1.00	<1.10	<140.00	<1.10	<1500.00	<1.10	NRQ	<1.10	<1.30	<1.20	<1.20	NRQ	NRQ
CARBON TETRACHLORIDE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.97	NRQ	NRQ	NRQ	NRQ	<0.97	<0.97
CHLOROBENZENE	UG/KG-DRY	<0.69	<0.74	<97.00	<0.76	<1000.00	<0.77	NRQ	<0.75	<0.88	<0.80	<0.80	NRQ	NRQ
CHLOROBENZENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.65	NRQ	NRQ	NRQ	NRQ	<0.65	<0.65
CHLOROETHANE	UG/KG-DRY	<1.80	<2.00	<260.00	<2.10	<2800.00	<2.10	NRQ	<2.00	<2.40	<2.20	<2.20	NRQ	NRQ
CHLOROETHANE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.80	NRQ	NRQ	NRQ	NRQ	<1.80	<1.80
CHLOROFORM	UG/KG-DRY	<1.20	<1.30	<180.00	<1.40	<1900.00	<1.40	NRQ	<1.40	<1.60	<1.50	<1.50	NRQ	NRQ
CHLOROFORM (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.20	NRQ	NRQ	NRQ	NRQ	<1.20	<1.20
CHLOROMETHANE	UG/KG-DRY	<26.00	<28.00	<3600.00	<28.00	39000.00	<29.00	NRQ	<28.00	<33.00	<30.00	<30.00	NRQ	NRQ
CHLOROMETHANE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<24.00	NRQ	NRQ	NRQ	NRQ	<24.00	<24.00
CHROMIUM,SED	MG/KG-DRY	0.78	3.49	3.85	5.87	1.93	2.39	NRQ	3.38	2.20	69.70	52.00	NRQ	NRQ
CHROMIUM,TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<7.00
CHRYSENE	UG/KG-DRY	<97.00	5100.00	<110.00	<110.00	<120.00	<110.00	NRQ	22000.00	<120.00	40000.00	52000.00	NRQ	NRQ

TABLE A-2

1990 RESULTS OF SOIL AND SEDIMENT SAMPLING

FIRE TRAINING AREA

Hunter Army Airfield, Georgia

PARAMETERS	Sample ID / Sample Depth / Date / Time	SOIL							SEDIMENT					
		HSB-1	HSB-2	HSB-3	HSB-4	HSB-5	HSB-6	TRPBLK	SD-1	SD-2	SD-3	SD-3DUP	TRPBLK	RINSEBLK
		8-10 FT.	3-5 FT.	6-8 FT.	2-4 FT.	5-8 FT.	8-10 FT.							
		02/12/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90
	UNITS	17:05	07:45	08:35	09:35	11:35	12:45	12:00	09:00	09:20	09:30	09:30	10:30	10:45
CHRYSENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.80
CIS-1,3-DICHLOROPROPENE	UG/KG-DRY	<1.60	<1.80	<230.00	<1.80	<2400.00	<1.80	NRQ	<1.80	<2.10	<1.90	<1.90	NRQ	NRQ
CIS-1,3-DICHLOROPROPENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.50	NRQ	NRQ	NRQ	NRQ	<1.50	<1.50
DIBEN'(A,H)ANTH'CENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.80
DIBEN(A,H)ANTHRACENE	UG/KG-DRY	<63.00	1100.00	<72.00	<70.00	<77.00	<72.00	NRQ	4200.00	<81.00	8100.00	11000.00	NRQ	NRQ
DIBROMOCHLOROMETHANE	UG/KG-DRY	<1.40	<1.50	<200.00	<1.50	<2100.00	<1.50	NRQ	<1.50	<1.80	<1.60	<1.60	NRQ	NRQ
DIBROMOCHLOROMETHANE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.30	NRQ	NRQ	NRQ	NRQ	<1.30	<1.30
ETHYLBENZENE	UG/KG-DRY	<1.10	<1.10	1500.00	<1.20	10000.00	<1.20	NRQ	<1.10	<1.40	<1.20	<1.20	NRQ	NRQ
ETHYLBENZENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.00	NRQ	NRQ	NRQ	NRQ	<1.00	<1.00
FLUORANTHENE	UG/KG-DRY	<110.00	13000.00	140.00	<130.00	360.00	<130.00	NRQ	36000.00	<150.00	54000.00	62000.00	NRQ	NRQ
FLUORANTHENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<3.20
FLUORENE	UG/KG-DRY	<110.00	720.00	<120.00	<120.00	<130.00	<120.00	NRQ	1500.00	<140.00	2500.00	8300.00	NRQ	NRQ
FLUORENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<3.10
INDENO(1,2,3-CD)PYRENE	UG/KG-DRY	<95.00	2900.00	<110.00	<110.00	<120.00	<110.00	NRQ	7900.00	<120.00	15000.00	23000.00	NRQ	NRQ
INDENO(1,2,3-CD)PYRENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.70
LEAD,SED	MG/KG-DRY	<5.26	<5.71	<5.97	<5.81	7.40	<5.97	NRQ	7.65	7.71	275.00	362.00	NRQ	NRQ

TABLE A-2
1990 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS	Sample ID / Sample Depth / Date / Time / UNITS	SOIL							SEDIMENT					
		NSB-1	NSB-2	NSB-3	NSB-4	NSB-5	NSB-6	TRPBLK	SD-1	SD-2	SD-3	SD-3DUP	TRPBLK	RINSEBLK
		8-10 FT.	3-5 FT.	6-8 FT.	2-4 FT.	5-8 FT.	8-10 FT.							
		02/12/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90
		17:05	07:45	08:35	09:35	11:35	12:45	12:00	09:00	09:20	09:30	09:30	10:30	10:45
LEAD, TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<25.00
MERCURY, SED	MG/KG-DRY	<0.10	<0.11	<0.11	<0.11	<0.12	<0.12	NRQ	<0.11	<0.13	<0.12	<0.12	NRQ	NRQ
MERCURY, TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.20
METHYLENE CHLORIDE	UG/KG-DRY	<1.70	<1.80	<240.00	<1.90	<2600.00	6.70	NRQ	7.00	12.00	<2.00	<2.00	NRQ	NRQ
METHYLENE CHLORIDE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	2.60	NRQ	NRQ	NRQ	NRQ	<1.60	<1.60
NAPHTHALENE	UG/KG-DRY	<210.00	<230.00	5700.00	<230.00	11000.00	<240.00	NRQ	<230.00	<270.00	<250.00	390.00	NRQ	NRQ
NAPHTHALENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<5.90
NITROBENZENE-D(5)	UG/KG-DRY	3670.00	3910.00	4180.00	4130.00	3740.00	4060.00	NRQ	3790.00	4310.00	4270.00	4070.00	NRQ	NRQ
NITROBENZENE-D(5) (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	87.00
PHENANTHRENE	UG/KG-DRY	<67.00	8100.00	150.00	<74.00	290.00	<76.00	NRQ	20000.00	<87.00	33000.00	62000.00	NRQ	NRQ
PHENANTHRENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.90
PHENOL-D(5)	UG/KG-DRY	9640.00	9660.00	10800.00	10000.00	11000.00	10700.00	NRQ	7980.00	9510.00	8650.00	8780.00	NRQ	NRQ
PHENOL-D(5) (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	77.00
PYRENE	UG/KG-DRY	<72.00	9700.00	140.00	<79.00	340.00	<81.00	NRQ	27000.00	<92.00	43000.00	58000.00	NRQ	NRQ
PYRENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.00
SELENIUM, SED	MG/KG-DRY	<0.42	<0.45	<0.47	<0.46	0.67	<0.47	NRQ	<0.46	<0.54	<0.49	<0.49	NRQ	NRQ

TABLE A-2

1990 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS	Sample ID / Sample Depth / Date / Time	SOIL							SEDIMENT					
		HSB-1	HSB-2	HSB-3	HSB-4	HSB-5	HSB-6	TRPBLK	SD-1	SD-2	SD-3	SD-3DUP	TRPBLK	RINSEBLK
		8-10 FT.	3-5 FT.	6-8 FT.	2-4 FT.	5-8 FT.	8-10 FT.							
		02/12/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/13/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90	02/12/90
	UNITS	17:05	07:45	08:35	09:35	11:35	12:45	12:00	09:00	09:20	09:30	09:30	10:30	10:45
SELENIUM, TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<2.00
SILVER, SED	MG/KG-DRY	<0.60	<0.65	<0.68	<0.66	<0.73	<0.68	NRQ	<0.66	<0.77	<0.71	<0.71	NRQ	NRQ
SILVER, TOTAL (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<5.70
STYRENE	UG/KG-DRY	<1.70	<1.80	<240.00	<1.90	<2500.00	<1.90	NRQ	<1.80	<2.20	<2.00	<2.00	NRQ	NRQ
STYRENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<1.60	NRQ	NRQ	NRQ	NRQ	<1.60	<1.60
TERPHENYL-(D14)	MG/KG-DRY	5880.00	5940.00	4000.00	10600.00	5450.00	5260.00	NRQ	5430.00	4240.00	4890.00	4850.00	NRQ	NRQ
TERPHENYL-(D14) (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	73.00
TETRACHLOROETHENE	UG/KG-DRY	<0.54	<0.58	<76.00	<0.60	<810.00	<0.60	NRQ	<0.59	<0.69	<0.63	<0.63	NRQ	NRQ
TETRACHLOROETHENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.51	NRQ	NRQ	NRQ	NRQ	<0.51	<0.51
TOLUENE	UG/KG-DRY	2.80	2.90	<100.00	<0.82	<1100.00	5.50	NRQ	<0.81	3.20	<0.86	<0.86	NRQ	NRQ
TOLUENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.70	NRQ	NRQ	NRQ	NRQ	<0.70	<0.70
TOLUENE-D(8) (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	51.00
TOLUENE-D8	UG/KG-DRY	59.00	66.00	61.00	66.00	55.00	67.00	NRQ	63.00	73.00	68.00	54.00	NRQ	NRQ
TRANS-1,3-DICHLOROPROPENE	UG/KG-DRY	<0.91	<0.98	<130.00	<1.00	<1400.00	<1.00	NRQ	<0.99	<1.20	<1.10	<1.10	NRQ	NRQ
TRANS-1,3-DICHLOROPROPENE (EPTOX)	UG/L	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.86	NRQ	NRQ	NRQ	NRQ	<0.86	<0.86
TRICHLOROETHENE	UG/KG-DRY	<0.92	<1.00	<130.00	<1.00	<1400.00	<1.00	NRQ	<1.00	<1.20	<1.10	<1.10	NRQ	NRQ

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
Environmental Science and
Engineering, Inc.

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	SOIL												
		PSB-1		PSB-2		PSB-2DUP		PSB-3		PSB-4			PSB-5	
	Sample ID	HS-1	HS-2	HS-3	HS-4	HS-DUP		HS-10	HS-11	HS-12	HS-13	HS-14	HS-18	HS-19
	Sample Depth	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3.5-4.5	0-1 FT.	3.5-4 FT	5.5-6.5	0-1 FT.	3.5-4 FT
	Date	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92
	Time	10:15	10:30	11:15	11:30			08:40	08:45	09:30	09:35	10:00	13:35	13:40
ACENAPHTHENE UG/KG-DRY		<78.00	<850.00	<81.00	<84.00	<81.00	<83.00	<380.00	<80.00	<78.00	<80.00	<81.00	<74.00	<82.00
ACENAPHTHYLENE UG/KG-DRY		<170.00	<1800.00	<170.00	<180.00	<81.00	<83.00	<810.00	<170.00	<170.00	<170.00	<170.00	<74.00	<82.00
ANTHRACENE UG/KG-DRY		<78.00	<850.00	<81.00	<84.00	<81.00	<83.00	670.00	<80.00	<78.00	<80.00	<81.00	<74.00	<82.00
ARSENIC, SED MG/KG-DRY		1.02	0.63	1.28	2.44	1.32	1.31	0.51	0.34	0.33	0.54	0.59	0.61	0.56
BARIUM, SED MG/KG- DRY		11.40	12.80	14.90	23.40	19.10	23.60	18.30	13.90	9.60	14.70	17.70	16.20	19.10
BENZENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
BENZO(A)ANTHRACENE UG/KG-DRY		370.00	<1200.00	170.00	<120.00	140.00	<120.00	5300.00	<110.00	160.00	<110.00	<120.00	<110.00	<120.00
BENZO(A)PYRENE UG/KG-DRY		320.00	<1700.00	220.00	<170.00	180.00	<170.00	4800.00	<160.00	180.00	<160.00	<160.00	<150.00	<160.00
BENZO(B)FLUORANTHENE UG/KG-DRY		560.00	<1200.00	370.00	<120.00	160.00	<120.00	6900.00	<110.00	260.00	<110.00	<120.00	<110.00	<120.00
BENZO(GHI)PERYLENE UG/KG-DRY		<180.00	<1900.00	<180.00	<190.00	<180.00	<190.00	<870.00	<180.00	<180.00	<180.00	<190.00	<170.00	<190.00
BENZO(K)FLUORANTHENE UG/KG-DRY		250.00	<1200.00	150.00	<120.00	150.00	<120.00	2700.00	<110.00	<110.00	<110.00	<120.00	<110.00	<120.00
BROMODICHLOROMETHANE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80

Source: ESE, 1993b

TABLE A-4

1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location / Sample ID / Sample Depth / Date / Time	SOIL												
		PSB-1		PSB-2		PSB-2DUP		PSB-3		PSB-4			PSB-5	
		HS-1	HS-2	HS-3	HS-4	HS-DUP		HS-10	HS-11	HS-12	HS-13	HS-14	HS-18	HS-19
		0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3.5-4.5	0-1 FT.	3.5-4 FT	5.5-6.5	0-1 FT.	3.5-4 FT
		03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92
		10:15	10:30	11:15	11:30			08:40	08:45	09:30	09:35	10:00	13:35	13:40
BROMOFORM UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
BROMOMETHANE UG/KG-DRY		<11.00	<60.00	<12.00	<12.00	<12.00	<12.00	<11.00	<11.00	<11.00	<11.00	<12.00	<11.00	<12.00
CADMIUM, SED MG/KG-DRY		<0.52	<0.57	<0.54	<0.55	<0.54	<0.56	<0.51	<0.54	<0.51	<0.54	<0.54	<0.50	<0.55
CARBON DISULFIDE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
CARBON TETRACHLORIDE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
CHLOROBENZENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
CHLORDETHANE UG/KG-DRY		<11.00	<60.00	<12.00	<12.00	<12.00	<12.00	<11.00	<11.00	<11.00	<11.00	<12.00	<11.00	<12.00
CHLOROFORM UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
CHLOROMETHANE UG/KG-DRY		<11.00	<60.00	<12.00	<12.00	<12.00	<12.00	<11.00	<11.00	<11.00	<11.00	<12.00	<11.00	<12.00
CHROMIUM, SED MG/KG-DRY		5.61	2.81	5.88	5.51	6.64	6.03	3.55	2.16	3.02	2.44	2.22	3.68	3.98
CHRYSENE UG/KG-DRY		560.00	<1200.00	200.00	<120.00	130.00	<120.00	5300.00	<110.00	170.00	<110.00	<120.00	<110.00	<120.00
CIS-1,3-DICHLORO- PROPENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80

Source: ESE, 1993b

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	SOIL												
		PSB-1		PSB-2		PSB-2DUP		PSB-3		PSB-4			PSB-5	
	Sample ID	HS-1	HS-2	HS-3	HS-4	HS-DUP		HS-10	HS-11	HS-12	HS-13	HS-14	HS-18	HS-19
	Sample Depth	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3.5-4.5	0-1 FT.	3.5-4 FT	5.5-6.5	0-1 FT.	3.5-4 FT
	Date	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92
	Time	10:15	10:30	11:15	11:30			08:40	08:45	09:30	09:35	10:00	13:35	13:40
DIBEN(A,H)ANTHRACENE UG/KG-DRY		<180.00	<1900.00	<180.00	<190.00	<180.00	<190.00	<870.00	<180.00	<180.00	<180.00	<190.00	<170.00	<190.00
DIBROMOCHLOROMETHANE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
DICHLOROBENZENE, TOTAL UG/KG-DRY		<11.00	<60.00	<12.00	<12.00	<12.00	<12.00	<11.00	<11.00	<11.00	<11.00	<12.00	<11.00	<12.00
DIETHYL ETHER UG/KG-DRY		<10.00	<60.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
ETHYLBENZENE UG/KG-DRY		<5.60	36.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	9.90	<5.30	<5.80
FLUORANTHENE UG/KG-DRY		690.00	<850.00	120.00	<84.00	160.00	<83.00	8100.00	<80.00	170.00	<80.00	<81.00	< 77.00	<82.00
FLUORENE UG/KG-DRY		<78.00	<850.00	<81.00	<84.00	<81.00	<83.00	<380.00	<80.00	<78.00	<80.00	<81.00	<74.00	<82.00
INDENO(1,2,3-CD) PYRENE UG/KG-DRY		<180.00	<1900.00	<180.00	<190.00	<180.00	<190.00	<870.00	<180.00	<180.00	<180.00	<190.00	<170.00	<190.00
LEAD, SED MG/KG-DRY		28.00	<7.62	17.30	8.82	15.80	7.58	7.39	<7.28	<6.90	<7.29	<7.27	<6.70	<7.31
MERCURY, SED MG/KG-DRY		<0.09	<0.10	<0.10	<0.10	<0.10	<0.10	<0.09	<0.10	<0.09	<0.09	<0.10	<0.09	<0.10
METHYL ETHYL KETONE UG/KG-DRY		<11.00	<60.00	<12.00	13.00	<12.00	25.00	<11.00	<11.00	<11.00	<11.00	<12.00	<11.00	<12.00
METHYLENE CHLORIDE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80

Source: ESE, 1993b

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	PSB-1		PSB-2		PSB-2DUP		PSB-3		PSB-4			PSB-5	
	Sample ID	HS-1	HS-2	HS-3	HS-4	HS-DUP		HS-10	HS-11	HS-12	HS-13	HS-14	HS-18	HS-19
	Sample Depth	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3-4 FT.	0-1 FT.	3.5-4.5	0-1 FT.	3.5-4 FT	5.5-6.5	0-1 FT.	3.5-4 FT
	Date	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92	03/04/92
	Time	10:15	10:30	11:15	11:30			08:40	08:45	09:30	09:35	10:00	13:35	13:40
METHYLISOBUTYLKETONE UG/KG-DRY		<11.00	<60.00	<12.00	<12.00	<12.00	<12.00	<11.00	<11.00	<11.00	<11.00	<12.00	<11.00	<12.00
MOISTURE % WET WT		10.40	17.30	13.50	16.30	13.50	16.10	7.70	12.90	10.00	12.50	13.80	6.00	14.40
NAPHTHALENE UG/KG-DRY		<78.00	3500.00	<81.00	<84.00	<81.00	<83.00	<380.00	<80.00	<78.00	<80.00	<81.00	<74.00	<82.00
PHENANTHRENE UG/KG-DRY		440.00	<850.00	<81.00	<84.00	<81.00	<83.00	670.00	<80.00	<78.00	<80.00	<81.00	<74.00	<82.00
PYRENE UG/KG-DRY		580.00	<850.00	190.00	<84.00	130.00	<83.00	5200.00	<80.00	140.00	<80.00	<81.00	<74.00	<82.00
SELENIUM, SED MG/KG-DRY		<0.27	<0.29	<0.28	<0.29	<0.28	<0.29	<0.26	<0.28	<0.27	<0.28	<0.28	<0.26	<0.28
SILVER, SED MG/KG-DRY		<0.78	<0.86	<0.81	<0.83	<0.81	<0.84	<0.77	<0.82	<0.77	<0.82	<0.82	<0.75	<0.82
TETRACHLOROETHENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
TOLUENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
TRANS-1,3-DICHLORO- PROPENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
TRICHLOROETHENE UG/KG-DRY		<5.60	<30.00	<5.80	<6.00	<5.80	<6.00	<5.40	<5.70	<5.60	<5.70	<5.80	<5.30	<5.80
TRICHLOROFLUOROMETHANE UG/KG-DRY		14.00	<30.00	12.00	12.00	11.00	10.00	10.00	5.80	7.30	10.00	8.90	<5.30	<5.80

Source: ESE, 1993b

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	SOIL						SEDIMENT				
		PSB-6			PSB-7			PSS-1	PSS-2	PSS-2DUP	PSS-3	PSS-4
	Sample ID	HS-7	HS-8	HS-9	HS-15	HS-16	HS-17	HSD-1	HSD-2	HSD-DUP	HSD-3	HSD-4
	Sample Depth	0-1 FT.	3-4 FT.	7.5-8.5	0-1 FT.	3-4 FT.	6-7 FT.					
	Date	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92
	Time	14:05	14:10	14:25	10:55	11:00	11:15	16:00	15:15		15:15	15:00
ACENAPHTHENE UG/KG-DRY		<82.00	<81.00	<3900.00	<76.00	<77.00	<80.00	<190.00	<910.00	<960.00	<94.00	110.00
ACENAPHTHYLENE UG/KG-DRY		<180.00	390.00	<8400.00	<160.00	210.00	<80.00	<190.00	<910.00	<960.00	<94.00	<96.00
ANTHRACENE UG/KG-DRY		<82.00	440.00	<3900.00	<76.00	210.00	<80.00	210.00	2400.00	1500.00	<94.00	130.00
ARSENIC, SED MG/KG-DRY		0.50	0.93	0.37	1.61	1.18	0.85	0.49	<0.30	0.37	<0.31	1.05
BARIUM, SED MG/KG- DRY		23.70	15.00	17.10	47.60	38.40	17.60	15.60	8.70	9.95	7.97	12.00
BENZENE UG/KG-DRY		<5.80	<29.00	39.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
BENZO(A)ANTHRACENE UG/KG-DRY		120.00	370.00	<5600.00	120.00	970.00	<110.00	760.00	13000.00	6400.00	160.00	510.00
BENZO(A)PYRENE UG/KG-DRY		<160.00	690.00	<7900.00	<150.00	1300.00	<160.00	850.00	12000.00	7100.00	<190.00	400.00
BENZO(B)FLUORANTHENE UG/KG-DRY		270.00	830.00	<5600.00	210.00	2000.00	<110.00	760.00	13000.00	7200.00	<130.00	450.00
BENZO(GHI)PERYLENE UG/KG-DRY		<190.00	<180.00	<9000.00	<170.00	<180.00	<180.00	<440.00	5100.00	<2200.00	<210.00	<220.00
BENZO(K)FLUORANTHENE UG/KG-DRY		<120.00	240.00	<5600.00	<110.00	620.00	<110.00	890.00	12000.00	7200.00	280.00	390.00
BROMODICHLOROMETHANE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80

Source: ESE, 1993b

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	SOIL						SEDIMENT				
		PSB-6			PSB-7			PSS-1	PSS-2	PSS-2DUP	PSS-3	PSS-4
	Sample ID	HS-7	HS-8	HS-9	HS-15	HS-16	HS-17	HSD-1	HSD-2	HSD-DUP	HSD-3	HSD-4
	Sample Depth	0-1 FT.	3-4 FT.	7.5-8.5	0-1 FT.	3-4 FT.	6-7 FT.					
	Date	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92
	Time	14:05	14:10	14:25	10:55	11:00	11:15	16:00	15:15		15:15	15:00
BROMOFORM UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
BROMOMETHANE UG/KG-DRY		<12.00	<58.00	<56.00	<11.00	<11.00	<11.00	<14.00	<13.00	<14.00	<13.00	<14.00
CADMIUM,SED MG/KG-DRY		<0.54	<0.54	<0.53	<0.51	<0.52	<0.54	<0.62	<0.59	<0.62	<0.62	<0.63
CARBON DISULFIDE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
CARBON TETRACHLORIDE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
CHLOROBENZENE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
CHLOROETHANE UG/KG-DRY		<12.00	<58.00	<56.00	<11.00	<11.00	<11.00	<14.00	<13.00	<14.00	<13.00	<14.00
CHLOROFORM UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
CHLOROMETHANE UG/KG-DRY		<12.00	<58.00	<56.00	<11.00	<11.00	<11.00	<14.00	<13.00	<14.00	<13.00	<14.00
CHROMIUM,SED MG/KG-DRY		4.97	2.80	1.94	5.29	6.10	2.86	5.66	2.55	2.86	1.09	3.54
CHRYSENE UG/KG-DRY		220.00	210.00	<5600.00	150.00	1000.00	<110.00	930.00	15000.00	7600.00	180.00	670.00
CIS-1,3-DICHLORO- PROPENE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80

Source: ESE, 1993b

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	SOIL						SEDIMENT				
		PSB-6			PSB-7			PSS-1	PSS-2	PSS-2DUP	PSS-3	PSS-4
	Sample ID	HS-7	HS-8	HS-9	HS-15	HS-16	HS-17	HSD-1	HSD-2	HSD-DUP	HSD-3	HSD-4
	Sample Depth	0-1 FT.	3-4 FT.	7.5-8.5	0-1 FT.	3-4 FT.	6-7 FT.					
	Date	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92
	Time	14:05	14:10	14:25	10:55	11:00	11:15	16:00	15:15		15:15	15:00
DIBEN(A,H)ANTHRACENE UG/KG-DRY		<190.00	<180.00	<9000.00	<170.00	<180.00	<180.00	<440.00	<2100.00	<2200.00	<210.00	<220.00
DIBROMOCHLOROMETHANE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
DICHLOROBENZENE,TOTAL UG/KG-DRY		<12.00	<58.00	<56.00	<11.00	<11.00	<11.00	<14.00	<13.00	<14.00	<13.00	<14.00
DIETHYL ETHER UG/KG-DRY		<10.00	<60.00	<60.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
ETHYLBENZENE UG/KG-DRY		<5.80	65.00	540.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
FLUORANTHENE UG/KG-DRY		360.00	320.00	<3900.00	180.00	980.00	<80.00	2200.00	34000.00	15000.00	190.00	1200.00
FLUORENE UG/KG-DRY		<82.00	<81.00	<3900.00	<76.00	<77.00	<80.00	<190.00	1200.00	<960.00	<96.00	130.00
INDENO(1,2,3-CD) PYRENE UG/KG-DRY		<190.00	570.00	<9000.00	<170.00	<180.00	<180.00	440.00	7600.00	3300.00	<210.00	<220.00
LEAD,SED MG/KG-DRY		23.90	8.83	<7.16	13.80	107.00	<7.19	29.40	16.00	22.90	<8.36	<8.46
MERCURY,SED MG/KG-DRY		<0.10	<0.10	<0.09	<0.09	<0.09	<0.09	<0.11	<0.11	<0.12	<0.11	<0.11
METHYL ETHYL KETONE UG/KG-DRY		<12.00	<58.00	<56.00	<11.00	<11.00	<11.00	<14.00	<13.00	<14.00	<13.00	<14.00
METHYLENE CHLORIDE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80

Source: ESE, 1993b

TABLE A-4
1992 RESULTS OF SOIL AND SEDIMENT SAMPLING
FIRE TRAINING AREA
Hunter Army Airfield, Georgia

PARAMETERS / UNITS	Location	SOIL						SEDIMENT				
		PSB-6			PSB-7			PSS-1	PSS-2	PSS-2DUP	PSS-3	PSS-4
	Sample ID	HS-7	HS-8	HS-9	HS-15	HS-16	HS-17	HSD-1	HSD-2	HSD-DUP	HSD-3	HSD-4
	Sample Depth	0-1 FT.	3-4 FT.	7.5-8.5	0-1 FT.	3-4 FT.	6-7 FT.					
	Date	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92	03/04/92	03/03/92	03/03/92	03/03/92	03/04/92	03/04/92
	Time	14:05	14:10	14:25	10:55	11:00	11:15	16:00	15:15		15:15	15:00
METHYLISOBUTYLKETONE UG/KG-DRY		<12.00	<58.00	<56.00	<11.00	<11.00	<11.00	<14.00	<13.00	<14.00	<13.00	<14.00
MOISTURE %WET WT		14.50	13.20	11.00	8.30	8.80	12.10	26.60	23.20	27.10	25.40	27.00
NAPHTHALENE UG/KG-DRY		<82.00	1400.00	41000.00	<76.00	<77.00	<80.00	<190.00	<910.00	<960.00	<94.00	<96.00
PHENANTHRENE UG/KG-DRY		170.00	90.00	<3900.00	<76.00	100.00	<80.00	810.00	19000.00	7400.00	<94.00	1400.00
PYRENE UG/KG-DRY		170.00	230.00	<3900.00	110.00	810.00	<80.00	1400.00	21000.00	9100.00	220.00	990.00
SELENIUM, SED MG/KG-DRY		<0.28	<0.28	<0.27	<0.27	<0.26	<0.28	<0.33	<0.31	<0.33	<0.32	<0.34
SILVER, SED MG/KG-DRY		<0.81	<0.80	<0.80	<0.76	<0.78	<0.81	<0.93	<0.89	<0.94	<0.94	<0.95
TETRACHLOROETHENE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
TOLUENE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
TRANS-1,3-DICHLORO- PROPENE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
TRICHLOROETHENE UG/KG-DRY		<5.80	<29.00	<28.00	<5.50	<5.50	<5.70	<6.80	<6.50	<6.90	<6.70	<6.80
TRICHLOROFLUOROMETHANE UG/KG-DRY		14.00	31.00	<28.00	<5.50	<5.50	7.00	6.90	7.40	<6.90	<6.70	<6.80

Source: ESE, 1993b

TABLE A-6
1995 ANALYTICAL DATA SUMMARY TABLE
SURFACE SOIL SAMPLES
LAW Engineering and
Environmental Services, Inc.

TABLE A-6
1995 ANALYTICAL DATA SUMMARY TABLE
SURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-04	FTASB-06	FTASB-09	FTASB-10	FTASB-11	FTASB-12	FTASB13	FTASB-14	FTASB-15
SAMPLE DATE:	8/23/95	8/23/95	8/23/95	8/24/95	8/24/95	8/24/95	10/3/1995	10/4/1995	10/4/1995
Depth (ft):	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5
PARAMETER/METHOD (units)									
Volatile Organics SW8240B/5030A (mg/kg)									
Styrene	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
Tetrachloroethene	<0.006	0.001 J	0.003 J	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
Toluene	<0.006	**0.02**	0.003 J	0.001 J	<0.005	0.140 J	<0.006	<0.006	<0.005
Trichloroethene	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
Vinyl Acetate	<0.011	<0.010	<0.013	<0.011	<0.011	<0.012	<0.011	<0.011	<0.011
Vinyl Chloride	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
Xylene (total)	<0.006	<0.005	<0.006	**0.009**	<0.005	0.310 J	<0.006	<0.006	<0.005
cis-1,2-Dichloroethene	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
cis-1,3-Dichloropropene	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
trans-1,2-Dichloroethene	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
trans-1,3-Dichloropropene	<0.006	<0.005	<0.006	<0.006	<0.005	<0.006	<0.006	<0.006	<0.005
ICP Metals SW6010A/SW3050A (mg/kg)									
Barium	11	7.45	11	34	69	9.3	12	12	18
Cadmium	2.2	2.1	2.5	0.66	2.2	2.4	2.2	2.2	2.2
Chromium	3	5.1	2.4	14.7	4.8	4.6	5.7	4.4	4.1
Silver	2.2	2.1	2.5	2.3	2.2	2.4	2.2	2.2	2.2
Arsenic SW7060A/SW3050A (mg/kg)									
Arsenic	0.82	0.56	0.66	1.82	0.86	1.07	1.56	1.28	1.95
Lead SW7421/SW3050A (mg/kg)									
Lead	2.7	15	4.7	111	15	11.4	7.7	11.4	13.9

TABLE A-6
1995 ANALYTICAL DATA SUMMARY TABLE
SURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-04	FTASB-06	FTASB-09	FTASB-10	FTASB-11	FTASB-12	FTASB13	FTASB-14	FTASB-15
SAMPLE DATE:	8/23/95	8/23/95	8/23/95	8/24/95	8/24/95	8/24/95	10/3/1995	10/4/1995	10/4/1995
Depth (ft):	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5
PARAMETER/METHOD (units)									
Mercury SW7471A (mg/kg)									
Mercury	0.02	0.035	0.025	0.042	0.034	0.042	0.045	0.032	0.026
Selenium SW7740A/SW3050A (mg/kg)									
Selenium	0.35	0.438	0.59	0.32	0.28	0.27	0.17	1.1	1.1
Semi-Volatile Organics SW8270B/SW3550A (mg/kg)									
1,2,4-trichlorobenzene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
1,2-dichlorobenzene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	0.099 JQ
1,3-dichlorobenzene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
1,4-dichlorobenzene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,2'-oxybis (1-chloropropane)	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,4,5-trichlorophenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,4,6-trichlorophenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,4-dichlorophenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,4-dimethylphenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,4-dinitrophenol	<0.920	<0.860	<1.100	<0.940	<0.900	<0.970 JL	<0.920	<0.920	<0.900
2,4-dinitrotoluene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2,6-dinitrotoluene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2-chloronaphthalene	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2-chlorophenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2-methylnaphthalene	<0.370	<0.340	<0.420	**2.4**	<0.360	**8.5**	<0.360	<0.370	<0.360
2-methylphenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
2-nitroaniline	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390 JL	<0.360	<0.370	<0.360
2-nitrophenol	<0.370	<0.340	<0.420	<0.370	<0.360	<0.390	<0.360	<0.370	<0.360
3,3'-dichlorobenzidine	<0.750	<0.700	<0.850	<0.760 JL	<0.730	<0.780 JL	<0.740	<0.750	<0.720

Source: LAW, 1995

TABLE A-6
1995 ANALYTICAL DATA SUMMARY TABLE
SURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-16	FTASB-17	HMW-10	HMW-12
SAMPLE DATE:	10/4/1995	10/4/1995	10/3/1995	10/2/1995
Depth (ft):	0.5 - 2.5	0.5 - 2.5	0.0 - 2.0	1.5 - 3.0
PARAMETER/METHOD (units)				
Volatile Organics SW8240B/5030A (m				
Styrene	<0.005	<0.005	<0.006	0.001 JH
Tetrachloroethene	<0.005	<0.005	<0.006	<0.006
Toluene	<0.005	0.002 JQ	<0.006	0.001 JH
Trichloroethene	<0.005	<0.005	<0.006	<0.006
Vinyl Acetate	<0.011	<0.011	<0.011	<0.012
Vinyl Chloride	<0.005	<0.005	<0.006	<0.006
Xylene (total)	<0.005	<0.005	<0.006	0.002 JH
cis-1,2-Dichloroethene	<0.005	<0.005	<0.006	<0.006
cis-1,3-Dichloropropene	<0.005	<0.005	<0.006	<0.006
trans-1,2-Dichloroethene	<0.005	<0.005	<0.006	<0.006
trans-1,3-Dichloropropene	<0.005	<0.005	<0.006	<0.006
ICP Metals SW6010A/SW3050A (mg/				
Barium	11	18	16	5.96
Cadmium	2.1'	2.2	2.3	2.4
Chromium	3.4	4.7	7.7	3.6
Silver	2.1	2.2	2.3	2.4
Arsenic SW7060A/SW3050A (mg/kg)				
Arsenic	1.43	2.14	1.64	0.51
Lead SW7421/SW3050A (mg/kg)				
Lead	3.4	12.4	17	2.5

Source: [1] AW, 1995

TABLE A-6
1995 ANALYTICAL DATA SUMMARY TABLE
SURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-16	FTASB-17	HMW-10	HMW-12
SAMPLE DATE:	10/4/1995	10/4/1995	10/3/1995	10/2/1995
Depth (ft):	0.5 - 2.5	0.5 - 2.5	0.0 - 2.0	1.5 - 3.0
PARAMETER/METHOD (units)				
Mercury SW7471A (mg/kg)				
Mercury	0.019	0.045	0.046	0.035
Selenium SW7740A/SW3050A (mg/kg				
Selenium	1.1	1.1	0.2	0.23
Semi-Volatile Organics SW8270B/SW				
1,2,4-trichlorobenzene	<0.350	<0.350	<0.370	400
1,2-dichlorobenzene	<0.350	<0.350	<0.370	400
1,3-dichlorobenzene	<0.350	<0.350	<0.370	400
1,4-dichlorobenzene	<0.350	<0.350	<0.370	400
2,2'-oxybis (1-chloropropane)	<0.350	<0.350	<0.370	400
2,4,5-trichlorophenol	<0.350	<0.350	<0.370	400
2,4,6-trichlorophenol	<0.350	<0.350	<0.370	400
2,4-dichlorophenol	<0.350	<0.350	<0.370	400
2,4-dimethylphenol	<0.350	<0.350	<0.370	400
2,4-dinitrophenol	<0.880	<0.890	<0.940	1000
2,4-dinitrotoluene	<0.350	<0.350	<0.370	400
2,6-dinitrotoluene	<0.350	<0.350	<0.370	400
2-chloronaphthalene	<0.350	<0.350	<0.370	400
2-chlorophenol	<0.350	<0.350	<0.370	400
2-methylnaphthalene	<0.350	<0.350	<0.370	400
2-methylphenol	<0.350	<0.350	<0.370	400
2-nitroaniline	<0.350	<0.350	<0.370	400
2-nitrophenol	<0.350	<0.350	<0.370	400
3,3'-dichlorobenzidine	<0.710	<0.720	<0.760	820

Source: LAW, 1995

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
LAW Engineering and
Environmental Services, Inc.

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-04	FTASB-06	FTASB-09	FTASB-10	FTASB-11	FTASB-12	FTASB-13	FTASB-14
SAMPLE DATE:	8/23/95	8/23/95	8/23/95	8/24/95	8/24/95	8/24/95	03-Oct-95	04-Oct-95
Depth (ft):	9.0-10.5	8.5-10.0	6.0-7.0	9.0-10.4	9.5-10.0	8.0-10.0	2.5 - 4.5	4.5 - 6.5
Parameter/Method (units)								
Volatile Organics SW8240B/5030A (mg/kg)								
Styrene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	0.001 JH	<0.030
Tetrachloroethene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
Toluene	0.002 J	0.005 J	**0.011**	**0.92**	**0.021**	**16**	<0.007	<0.030
Trichloroethene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
Vinyl Acetate	<0.012	<0.013	<0.011	<1.600	<0.012	<1.600	<0.013	<0.059
Vinyl Chloride	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
Xylene (total)	<0.006	<0.006	<0.006	**220**	**0.34**	**260**	<0.007	<0.030
cis-1,2-Dichloroethene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
cis-1,3-Dichloropropene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
trans-1,2-Dichloroethene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
trans-1,3-Dichloropropene	<0.006	<0.006	<0.006	<0.770	<0.006	<0.770	<0.007	<0.030
ICP Metals SW6010A/SW3050A (mg/kg)								
Barium	**12**	11.7 J	**15**	**14**	10.6 J	**15**	**33**	8.77 JQ
Cadmium	<2.4	<2.6	<2.3	<2.4	<2.4	<2.5	<2.6	<2.3
Chromium	2.4 J	2.2 J	**5.5**	2.1 J	2.7 J	2.5 J	4.4 J	**4.7**
Silver	<2.4	<2.6	<2.3	<2.4	<2.4	<2.5	<2.6	<2.3
Arsenic SW7060A/SW3050A (mg/kg)								
Arsenic	0.66 J	0.74 J	1.07 J	0.67 J	0.38 J	0.8 J	1.62 JQ	0.73 JQ
Lead SW7421/SW3050A (mg/kg)								
Lead	**3.5**	**2.4**	**59**	**11.1**	**6.2**	**11.3**	**22**	**8.8**
Mercury SW7471A (mg/kg)								
Mercury	0.022 J	<0.13	0.033 J	0.033 J	<0.12	0.02 J	0.071 JQ	0.041 JQ

Source: LAW, 1995

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-04	FTASB-06	FTASB-09	FTASB-10	FTASB-11	FTASB-12	FTASB-13	FTASB-14
SAMPLE DATE:	8/23/95	8/23/95	8/23/95	8/24/95	8/24/95	8/24/95	03-Oct-95	04-Oct-95
Depth (ft):	9.0-10.5	8.5-10.0	6.0-7.0	9.0-10.4	9.5-10.0	8.0-10.0	2.5 - 4.5	4.5 - 6.5
Parameter/Method (units)								
Selenium SW7740A/SW3050A (mg/kg)								
Selenium	0.17 J	0.15 J	0.43 J	0.14 J	0.13 J	0.18 J	0.31 JQ	0.17
Semi-Volatile Organics 8270B/3550A (mg/kg)								
1,2,4-trichlorobenzene	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
1,2-dichlorobenzene	<0.400	<0.430	<0.370	<1.600	<0.400	<1.600	<0.430	<0.390
1,3-dichlorobenzene	<0.400	<0.430	<0.370	<1.600	<0.400	<1.600	<0.430	<0.390
1,4-dichlorobenzene	<0.400	<0.430	<0.370	<1.600	<0.400	<1.600	<0.430	<0.390
2,2'-oxybis (1-chloropropane)	<0.400	<0.430	<0.370	<1.600	<0.400	<1.600	<0.430	<0.390
2,4,5-trichlorophenol	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2,4,6-trichlorophenol	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2,4-dichlorophenol	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2,4-dimethylphenol	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2,4-dinitrophenol	<1.000	<1.100	<0.940	<4.000 JL	<1.000	<4.000	<1.100	<0.990
2,4-dinitrotoluene	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	**0.65**
2,6-dinitrotoluene	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2-chloronaphthalene	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2-chlorophenol	<0.400	<0.430	<0.370	<1.600	<0.400	<1.600	<0.430	<0.390
2-methylnaphthalene	<0.400	<0.430	<0.370	99.000 JL	**4.5**	**43**	<0.430	**34**
2-methylphenol	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2-nitroaniline	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
2-nitrophenol	<0.400	<0.430	<0.370	<1.600 JL	<0.400	<1.600	<0.430	<0.390
3,3'-dichlorobenzidine	<0.810	<0.860	<0.760	<3.300 JL	<0.820	<3.300 JL	<0.870	<0.800

Source: LAW, 1995

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-15	FTASB-16	FTASB-17	HMW-10	HMW-11	HMW-11	HMW-12	HMW-12
SAMPLE DATE:	04-Oct-95	04-Oct-95	04-Oct-95	03-Oct-95	03-Oct-95	03-Oct-95	02-Oct-95	02-Oct-95
Depth (ft):	4.5 - 6.5	6.5 - 8.1	4.5 - 6.5	2.0 - 4.0	2.0 - 4.0	6.0 - 8.0	1.5 - 3.0	4.5 - 6.0
Parameter/Method (units)								
Volatile Organics SW8240B/5030A (m								
Styrene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.001 JH	<0.006
Tetrachloroethene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Toluene	<0.006	<0.006	<0.006	0.002 JQ	0.002 JQ	**0.008**	0.001 JH	0.001 JQ
Trichloroethene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Vinyl Acetate	<0.012	<0.012	<0.011 JL	<0.012	<0.012	<0.013	<0.012	<0.012
Vinyl Chloride	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Xylene (total)	<0.006	<0.006	<0.006	0.001 JQ	<0.006	**3.1**	0.002 JH	<0.006
cis-1,2-Dichloroethene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
cis-1,3-Dichloropropene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
trans-1,2-Dichloroethene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
trans-1,3-Dichloropropene	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ICP Metals SW6010A/SW3050A (mg/								
Barium	7.27 JQ	10.7 J	6.38 JQ	6.25 JQ	11.7 J	7.37 JQ	5.96 JQ	5.68 JQ
Cadmium	<2.3	<2.4	<2.2	<2.4	<2.4	<2.6	<2.4	<2.4
Chromium	2.6 JQ	3.7 JQ	2.1 JQ	3.3 JQ	**8.1**	**7.5**	3.6 JQ	4.6 J
Silver	<2.3	<2.4	<2.2	<2.4	<2.4	<2.6	<2.4	<2.4
Arsenic SW7060A/SW3050A (mg/kg)								
Arsenic	0.61 JQ	1.29 JQ	0.26 JQ	0.26 JQ	0.84 JQ	0.75 JQ	0.51 JQ	1.04 JQ
Lead SW7421/SW3050A (mg/kg)								
Lead	**5.4**	**3.1**	**2**	**11.8**	**2.7**	**2.2**	**2.5**	**2**
Mercury SW7471A (mg/kg)								
Mercury	0.045	0.031	0.11	0.033	0.034	0.032	0.035	0.032

Source: IAW, 1995

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	FTASB-15	FTASB-16	FTASB-17	HMW-10	HMW-11	HMW-11	HMW-12	HMW-12
SAMPLE DATE:	04-Oct-95	04-Oct-95	04-Oct-95	03-Oct-95	03-Oct-95	03-Oct-95	02-Oct-95	02-Oct-95
Depth (ft):	4.5 - 6.5	6.5 - 8.1	4.5 - 6.5	2.0 - 4.0	2.0 - 4.0	6.0 - 8.0	1.5 - 3.0	4.5 - 6.0
Parameter/Method (units)								
Selenium SW7740A/SW3050A (mg/kg								
Selenium	0.16	1.2	1.1	0.22	0.25	0.37	0.23	0.54
Semi-Volatile Organics 8270B/3550A (								
1,2,4-trichlorobenzene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
1,2-dichlorobenzene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
1,3-dichlorobenzene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
1,4-dichlorobenzene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,2'-oxybis (1-chloropropane)	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,4,5-trichlorophenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,4,6-trichlorophenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,4-dichlorophenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,4-dimethylphenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,4-dinitrophenol	<0.970	<0.990	<0.930	<1.000	<1.000	<1.100	<1.000	<1.000
2,4-dinitrotoluene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2,6-dinitrotoluene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2-chloronaphthalene	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2-chlorophenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2-methylnaphthalene	<0.390	<0.390	<0.370	<0.410	<0.400	**0.64**	<0.400	<0.400
2-methylphenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2-nitroaniline	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
2-nitrophenol	<0.390	<0.390	<0.370	<0.410	<0.400	<0.430	<0.400	<0.400
3,3'-dichlorobenzidine	<0.780	<0.800	<0.750	<0.830	<0.810	<0.870	<0.820	<0.810

Source: LAW, 1995

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	HMW-13	HMW-13
SAMPLE DATE:	03-Oct-95	03-Oct-95
Depth (ft):	2.0 - 4.0	8.0 - 10.0
Parameter/Method (units)		
Volatile Organics SW8240B/5030A (m		
Styrene	<1.600	<0.029
Tetrachloroethene	<1.600	<0.029
Toluene	**2.2**	0.013 JQ
Trichloroethene	<1.600	<0.029
Vinyl Acetate	<3.000	<0.058
Vinyl Chloride	<1.600	<0.029
Xylene (total)	**310**	**3.1**
cis-1,2-Dichloroethene	<1.600	<0.029
cis-1,3-Dichloropropene	<1.600	<0.029
trans-1,2-Dichloroethene	<1.600	<0.029
trans-1,3-Dichloropropene	<1.600	<0.029
ICP Metals SW6010A/SW3050A (mg/		
Barium	7.85 JQ	**27**
Cadmium	<2.4	<2.3
Chromium	3 JQ	**31.7**
Silver	<2.4	<2.3
Arsenic SW7060A/SW3050A (mg/kg)		
Arsenic	0.72 JQ	0.6 JQ
Lead SW7421/SW3050A (mg/kg)		
Lead	**16.4**	**3.2**
Mercury SW7471A (mg/kg)		
Mercury	0.033	0.03

TABLE A-7
1995 ANALYTICAL DATA SUMMARY TABLE
SUBSURFACE SOIL SAMPLES
Former Fire Training Area
Hunter Army Airfield, Savannah, Georgia

SAMPLE LOCATION:	HMW-13	HMW-13
SAMPLE DATE:	03-Oct-95	03-Oct-95
Depth (ft):	2.0 - 4.0	8.0 - 10.0
Parameter/Method (units)		
Selenium SW7740A/SW3050A (mg/kg		
Selenium	0.44	0.23
Semi-Volatile Organics 8270B/3550A (		
1,2,4-trichlorobenzene	<0.400	<0.380
1,2-dichlorobenzene	<0.400	<0.380
1,3-dichlorobenzene	<0.400	<0.380
1,4-dichlorobenzene	<0.400	<0.380
2,2'-oxybis (1-chloropropane)	<0.400	<0.380
2,4,5-trichlorophenol	<0.400	<0.380
2,4,6-trichlorophenol	<0.400	<0.380
2,4-dichlorophenol	<0.400	<0.380
2,4-dimethylphenol	<0.400	<0.380
2,4-dinitrophenol	<1.000	<0.970
2,4-dinitrotoluene	<0.400	<0.380
2,6-dinitrotoluene	<0.400	<0.380
2-chloronaphthalene	<0.400	<0.380
2-chlorophenol	<0.400	<0.380
2-methylnaphthalene	**32**	0.280 JQ
2-methylphenol	<0.400	<0.380
2-nitroaniline	<0.400	<0.380
2-nitrophenol	<0.400	<0.380
3,3'-dichlorobenzidine	<0.810	<0.780

Source: LAW, 1995

Georgia Department of Natural Resources 770
205 Butler Street, SE, Suite 1462, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/657-8600

May 8, 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Col. Gregory V. Stanley
Department of the Army
1550 Cochran Drive
Fort Stewart, GA 31314

Re: Response to 3/19/01 Meeting Letter
Hunter Army Airfield
HSI #10105

Dear Col. Stanley:

The Georgia Environmental Protection Division (EPD) has received your compliance status report (CSR) response letter dated March 5, 2001 and your April 16, 2001 correspondence following up on our March 19, 2001 meeting regarding the above referenced site. EPD was asked to address issues raised during our meeting pertaining to calculated background concentrations, the methodology used to calculate the background concentrations, and future sampling locations:

1. Background Concentrations - The proposed background concentrations presented on page 5 of CSR response are acceptable to EPD. It should be noted that although Table 2 of Appendix III should not be used for determining site-specific background concentrations, it is useful for comparative purposes in that most background concentrations will be below those levels.

2. Statistical Calculations – The statistical methods described can be used for determining background concentrations; however, they do not necessarily apply to all sites due to variations in site-specific data. The method used to determine multiple outliers in a dataset should be stated in the revised CSR and included in an appendix along with the other statistical methods used in the CSR.

3. Proposed Sampling Locations – The sample locations shown in Figure 1 of the CSR response surrounding SB-30 appear sufficient to delineate the site with the following exceptions. Two more sample locations (in addition to SB-45) are needed to delineate the southern boundary near SB-35. One location is needed to the west of SB-45 and south of SB-36. The other location to be added is to the east of SB-45 across Lightning Road. The purpose of proposed sampling locations SB-47 and SB-48 is unclear and needs to be explained before EPD can comment on them.

For specific answers to questions concerning risk assessment calculations and ecological evaluations, you may contact Michelle Burgess or Ahmet Bulbakaya at (404) 656-7802. Please contact David Brownlee of the Hazardous Site Response Program at (404) 657-8600 if you have questions regarding this letter.

Sincerely,

Jane Hendricks
Unit Coordinator
Hazardous Sites Response Program

c: Melanie Little

File: Site #10105

S:\RDRIVE\DAVIDB\CSR\Hunter Army Airfield Fire Training Area\March 19 Meeting Letter Response.doc

Georgia Department of Natural Resources 770
205 Butler Street, SE, Suite 1462, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/657-8600

May 8, 2001

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RETURN RECEIPT REQUESTED

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Department of the Army
1550 Cochran Drive
Fort Stewart, GA 31314

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Hunter Army Airfield
HSI #10105

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The Georgia Environmental Protection Division (EPD) has received your compliance status report (CSR) response letter dated March 5, 2001 and your April 16, 2001 correspondence following up on our March 19, 2001 meeting regarding the above referenced site. EPD was asked to address issues raised during our meeting pertaining to calculated background concentrations, the methodology used to calculate the background concentrations, and future sampling locations:

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3. Proposed Sampling Locations – The sample locations shown in Figure 1 of the CSR response surrounding SB-30 appear sufficient to delineate the site with the following exceptions. Two more sample locations (in addition to SB-45) are needed to delineate the southern boundary near SB-35. One location is needed to the west of SB-45 and south of SB-36. The other location to be added is to the east of SB-45 across Lightning Road. The purpose of proposed sampling locations SB-47 and SB-48 is unclear and needs to be explained before EPD can comment on them.

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Sincerely,

Jane Hendricks
Unit Coordinator
Hazardous Sites Response Program

c: Melanie Little

File: Site #10105

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Georgia Department of Natural Resources
2 Martin Luther King Jr. Drive, S.E., Suite 1470, Atlanta, Georgia 30334
Noel Holcomb, Commissioner
Environmental Protection Division
Carol A. Couch, Ph.D., Director
404-656-2833

December 21, 2006

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Michael W. Biering, P.E.
Director, Public Works
Headquarters, 3D Infantry Division (Mechanized) and Fort Stewart
Directorate of Public Works, Building 1137
Environmental Branch (ATTN: Algeana Stevenson)
1550 Frank Cochran Drive
Fort Stewart, GA 31314-4927

RE: Revised Final Compliance Status Report (CSR) for the former Fire Training Area (FTA) dated May 24, 2002; HSI # 10395; Hunter Army Airfield; EPA ID No. GA4 210 022 733.
Addendum to the Compliance Status Report (CSR) for the former Fire Training Area (FTA), dated April 2005; HSI # 10395; Hunter Army Airfield; EPA ID No. GA4 210 022 733.

Dear Mr. Biering:

The Hazardous Waste Management Branch of the Georgia Environmental Protection Division (GA EPD) is in receipt of the above-referenced documents submitted with correspondence (Biering to Hendricks) dated June 6, 2005. Based upon our review, GA EPD has generated the following comment(s):

1. *Acronym* – Chapter 1.0 of the Addendum to the CSR indicates that the northern part of the former FTA has been designated as "DAACG chlorinated solvent area". Please explain the acronym DAACG.

2. *Section 391-3-19-.06(3)(b)(2) – Soil Delineation* – Soil contamination must be delineated to background concentrations for all VOCs detected above background within the DAACG area north of the former fire training area.

3. *Section 391-3-19-.06(3)(b)(2)(ii) – Analytical Parameters Selected and the Rationale for Selection* – The rationale for analyzing VOCs only must be expanded. Unless you can explain why no other regulated substances potentially exist at the site, additional samples should be collected and analyzed for metals, SVOCs, pesticides, and herbicides. We expect that approximately 20 additional soil samples and 10 groundwater samples collected from the former fire training area and the DAACG chlorinated solvents area would be sufficient to evaluate the potential presence of additional regulated substances.

4. *Section 391-3-19-.06(4)(a) and (b) – Compliance Certification* – The certification of compliance with the applicable risk reduction standards should be signed by the applicable person described in Items 1 through 4 of *Section 391-3-19.03(7)(c)*. The signature space was left blank.

5. *Section 391-3-19-.06(3)(b)(3) – Groundwater Delineation* – Groundwater must be delineated to background concentrations horizontally and vertically for all contaminants. Further sampling is required to complete delineation for the following constituents:

a. 1,2-DCE, benzene, ethylbenzene, vinyl chloride, and xylenes need to be horizontally delineated northeast of COE-MW-02; and east and south of HMW-14R.

b. 1,2-DCE, and vinyl chloride need to be horizontally and vertically delineated northwest of COE-MW-06; and west and southwest of COE-MW-07.

6. *Sections 391-3-19-.06(3)(b)(2) and (3)(x)* – Please show data for all regulated substances in soil and groundwater on the maps. Further delineation may be required based on the revised figures.

7. *Sections 391-3-19-.06(3)(b)(2) and (3)(x)* – Please include cross-sections for vertical delineation of soil and groundwater contamination.

8. *Sections 391-3-19-.06(3)(b)(3)(x)* – Please indicate on the groundwater maps whether or not wells with no data boxes were sampled, even if they had no detections. Show the results as <DL (actual detection limit value), rather that BDL.

9. *Section 391-3-19-.06(3)(b)(3)(viii)* – Maps – Please include isoconcentration lines on maps to show the horizontal extent of groundwater contamination.

10. *Toxicity Factors* – EPD has noted some discrepancies between the toxicity values on Table 10 of the Addendum and those used by EPD. Please review the following list of toxicity factors for the corrected values.

	Revised CSR Value	EPD Value
Arsenic	SFi = No Value	SFi = 15 $(mg/kg\text{-}day)^{-1}$ (IRIS)
Barium	RfDi = No Value	RfDi = 1.40E-04 (HEAST)

10. *Type 2 RRS for Soil- Lead* - As required by Section 391-3-19-.07(7)(c)(4) of the Hazardous Sites Response Rules, for lead, soil concentrations at the site must not exceed those concentrations that would cause a resident 6 year old child to have a probability of no greater than 5% of a blood lead level greater than 10 ug/dL as determined by the IEUBK model using site-specific exposure assumptions, including the ingestion of site groundwater as drinking water and the probability of subsurface soils being brought to the land surface. Please evaluate site lead RRS using the IEUBK model and submit all input parameters along with documented references.

11. *Type 2 and 4 RRS for Soil-Leaching Criteria* – Many of the Type 2 and 4 RRS for soil listed on Table 6.1 A and B of the revised final CSR are based on leaching criteria. Calculations for the leaching values were not included in the Addendum or the revised final CSR. Please provide the calculations for the leaching criteria along with documented references.

12. *Type 2 RRS for Groundwater* – The Type 2 RRS for groundwater listed on Table 10 of the Addendum for Arsenic and Barium are incorrect. Below are the correct RRS values and should be corrected in the Addendum.

REGULATED SUBSTANCE	REPORT VALUE	EPD VALUE (BASIS)
Arsenic	5.68E-04 mg/kg	1.11E-05 mg/kg (Carcinogenic Value- Adult)
Barium	1.10 mg/kg	2.9E-04 mg/kg (Non-Carcinogenic Value- Child)

13. *Type 4 RRS for Groundwater* – The Type 4 RRS for groundwater listed on Table 11 of the Addendum for Arsenic and Barium are incorrect. Below are the correct RRS values and should be corrected in the Addendum.

REGULATED SUBSTANCE	**REPORT VALUE**	**EPD VALUE (BASIS)**
Arsenic	1.91E-03 mg/kg	1.89E-05 mg/kg (Carcinogenic Value)
Barium	7.15 mg/kg	1.43E-03 mg/kg (Non-Carcinogenic Value)

14. Please submit one stand-alone document for the revised CSR, rather than a "Revised Final CSR" and an "Addendum CSR" separately. Include all updated text, figures, tables, appendices, and all historical data.

The revision for the former Fire Training Area CSR report, appropriately addressing the comment(s) above, should be submitted to GA EPD within ninety (90) days from receipt of this correspondence in the form of a totally revised document. Note that two (2) hard copies and two (2) electronic copies in pdf format following the attached guidance for electronic submittal are requested by GA EPD.

Should you have any questions concerning this correspondence, please contact Benoit Causse of my staff at 404-463-7513.

Sincerely,

Amy Potter
Unit Coordinator
Hazardous Waste Management Branch

Attachment (1)
c: Darrell Crosby, Manager, GA EPD-Coastal District
Tressa Rutland, Fort Stewart (via facsimile)

File: Hunter Army Airfield (G)
R:\BCAUSSE\HUNTER ARMY AIRFIELD\HSI 10395\GA EPD-HSI 10395-CSR-Comments

Hazardous Sites Response Program
Document Submittal Format

All documents more than 25 pages in length shall be submitted as one paper copy and two compact disc (CD) copies with the documents in Portable Document Format (PDF). A signed certification page must be included in the CD copies. The certification page states that the electronic copy is complete, identical to the paper copy, and virus free.

All documents currently in electronic format should be converted into the PDF format. All documents not available electronically and pages that contain signatures, initials, or other information not in the electronic copy should be scanned into a PDF format including the signed certification page. Scanning should be at 200 dpi with any documents requiring color being scanned in color.

The document should be broken down into multiple PDF files along the following guidelines with the file name referenced in the table of content.

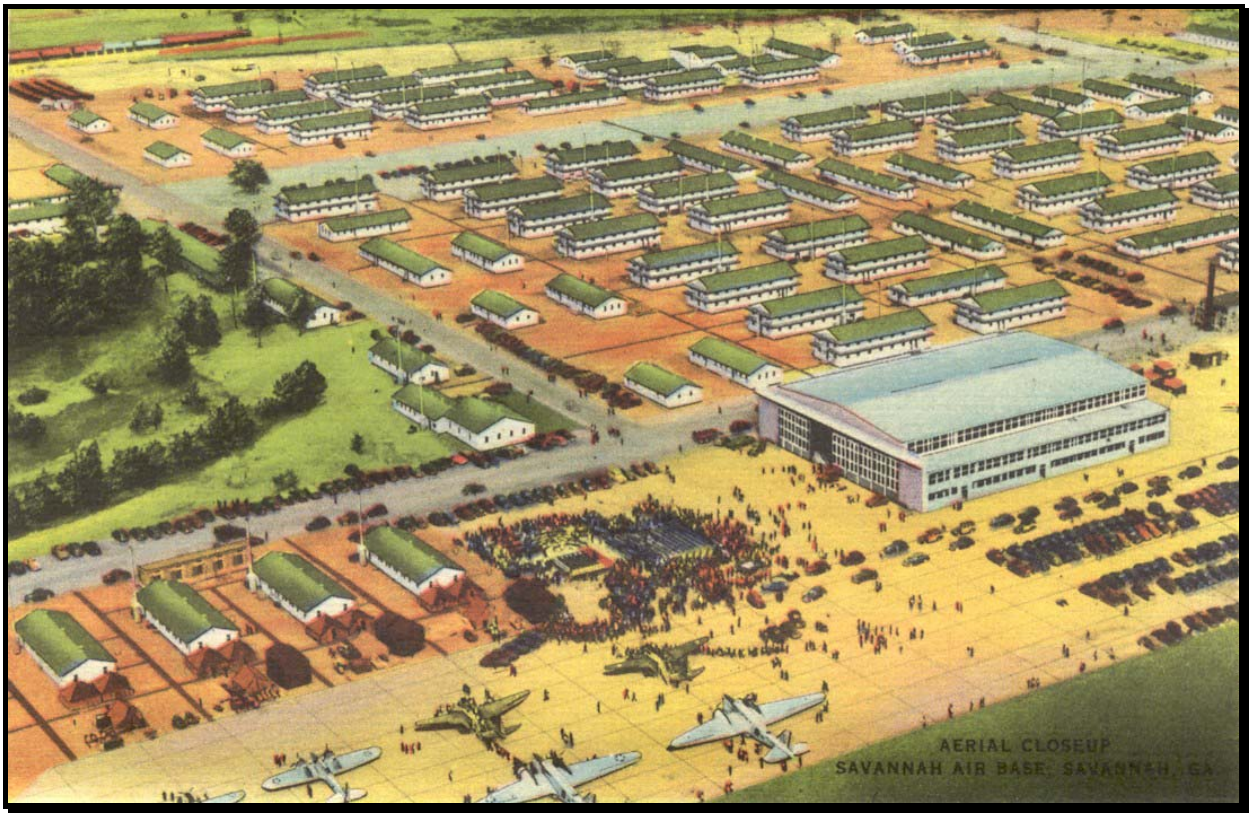
Table of Contents
Signature / Certification pages
Main body of document
Each Attachment (Appendices, Tables, Figures, Reports, etc.)

The CDs shall be enclosed in a jewel case. The CD shall be labeled with the following information written on the CD in indelible ink or affixed to the CD with an adhesive CD label.

Site Name
Site Address
HSI Number
City
County
Document Name
Document Date

United States
Department of Defense
Department of the Army

Hunter Army Airfield:
A History



Prepared by
U.S. Army, Fort Stewart
Directorate of Public Works
Environmental Division, Prevention & Compliance Branch
November 2006

Stewardship ● Leadership ● Partnership
Fort Stewart Popular Report Series 6



Hunter Field, 1933

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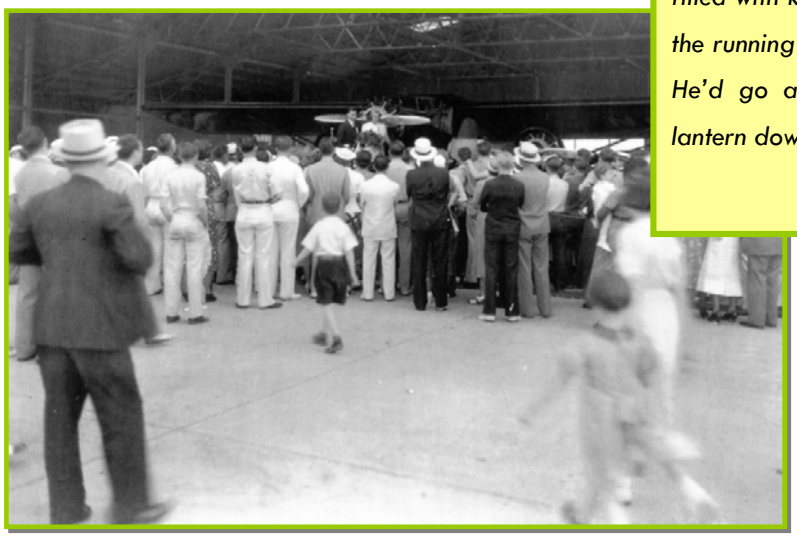
Beginnings

The 1920s marked the true beginning of civilian aviation in the United States. By 1930 nearly 1700 civilian airports had been established in the nation. As part of this national trend, in 1927 the city of Savannah bought 900 acres of woods, pasture, and swamp three miles south of the city limits for the first Savannah Airport—later known as Hunter Field.

Airfield Lighting at the Savannah Airport in the Early 1930s

"Robbie Richard and myself used to ride with Mr. Tillman… on the running board of his Ford and put out lanterns… so that the airplanes can land at night… So when we come from school, just every afternoon… Mr. Tillman would have the lanterns filled with kerosene [in] the Model A… We'd get on the running board and we'd put the lanterns down… He'd go another say, fifty feet, and put another lantern down…"

— Joseph Butler Harris



Inside the WPA hangar (Building 1206), 1937

Savannah Airport

In three years, using mostly chain-gang labor, Chatham County ditched the area, graded the field with 400,000 cubic yards of sand, and planted it with Bermuda grass. The landing area was 4500 feet long and 3500 feet wide with no runways. Aircraft could take off and land in any direction. The original airfield lay roughly on what is now Hunter Army Airfield's parking apron.

On 20 September 1929 a six-seater Bellanca CH-300 Pacemaker named "The City of Savannah" became the first aircraft to land at the Savannah Airport, inaugurating the Eastern Air Express New York to Miami air service. One month later the stock market crashed, plunging the US into the Great Depression. By November of that ill-fated year, Eastern Air Express folded. This left Savannah without regular air service until 1931, when Eastern Airlines began offering intrastate travel from Savannah to Augusta and Atlanta.

In spite of the Depression the city undertook a number of improvements to the airfield throughout the decade, including the 1932 construction of Wilson Boulevard, named after Judge Emmett Wilson, chairman of the city's airport commission. In 1936 the city and one of President Roosevelt's public works programs, the Works Progress Administration (W.P.A.), cooperated in making significant improvements to the airport. The W.P.A. spent $130,000 and the city $36,000 to rebuild the drainage system, construct a new metal hangar, and replace the grass airfield with three new asphalt runways.



« H. G. "Sandy" Strachan, first airport manager

The current Building 1206 is the W.P.A. hangar, little changed from the 1930s. The first Savannah-based flying service, Strachan Skyways, moved into this hangar after it was built. Henry G. "Sandy" Strachan owned the company and was also the airport manager. Strachan was the most prominent local aviator of the 1930s. According to the Savannah Morning News Strachan was "recognized as one of the leading fliers of Georgia… [and] credited as much as anyone else with bringing the magical world of flight to Savannah's attention." Air activity grew apace with the airfield. By decade's end, the airfield hosted regular flights from both Delta and Eastern Airlines.

World War II

When Hitler invaded Poland in September 1939 the US Army had 175,000 men, ranking seventeenth in the world—weaker than both the Dutch and Romanian armies. Meanwhile the Japanese, locked in combat with the Chinese since 1937, were looking to expand their empire in Asia. The Air Corps, part of the Army at the time, had only 2200 obsolete aircraft stationed at twenty-four airfields around the country. Europe and China were engulfed in war, and although the US was not yet involved, in the corridors of Washington preparations began for a military build-up.

Frank O'Driscoll Hunter

Usually public facilities are named after deceased persons. However, Hunter Army Airfield's namesake, Frank O'Driscoll Hunter (1894-1982), Lieutenant Colonel, US Army Air Corps, was very much alive when the city of Savannah christened the installation "Hunter Field" in 1940. Hunter, Georgia's only World War I flying ace, native Savannahian, and a lifelong bachelor, would be promoted to Major General and briefly lead Eighth Air Force Fighter Command in the coming war.

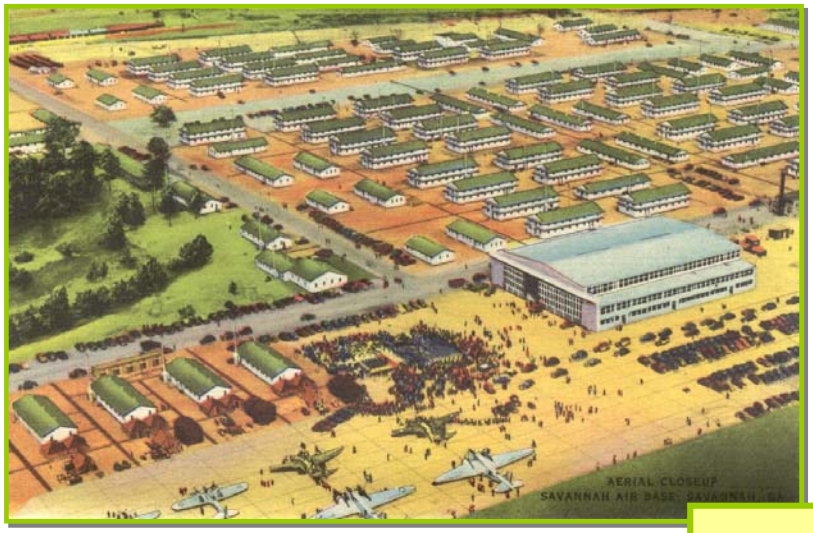


Still, the war seemed far away from Savannah in that late summer. The Air Corps commissioned Sandy Strachan a lieutenant in September, but business continued as usual at the airport. In 1939-1940 the city built a permanent municipal airport building to house growing administrative activities of the airport (the building's terrazzo floor still stands intact on the installation flightline). On 19 May 1940 the city officially dedicated the airport as "Hunter Field."

Hunter Field Goes To War

In 1940 the US began to re-arm in preparation for war. The government increased funding for new equipment and bases and instituted a peace-time draft. A primary beneficiary of this new largesse was the Air Corps, which by 1941 had grown to over 25,000 personnel and 4000 aircraft. The Air Corps needed new airbases to accommodate its growth, and in August 1940 selected Hunter Field as a light bomber training base.

Within two months the Air Corps transferred 3000 personnel of the 3rd and 27th Bomb Groups, and a hundred A-18 trainers, A-20 light bombers, and B-18 medium bombers to the new base, sharing the airfield with the civilian airport. Within nine months the military had constructed an entire cantonment north of the runways, featuring over 220 facilities including barracks, warehouses, a hospital, hangars, and operations buildings. The threat of war had transformed the sleepy southern airfield into a bustling military installation.



Hunter Field in 1940

In January 1941 Savannah received the tragic news that Sandy Strachan had died in a training accident at Barksdale Field, Louisiana. In his honor the Air Corps named the road running adjacent to the runways and parking aprons Strachan Road (in the 1990s the installation changed this street's name to Lightning Road).

Birth of the Mighty Eighth Air Force

On 28 January 1942 the USAAF formed the Eighth Air Force at Hunter Field. For three months in early 1942 Hunter Field's personnel and facilities prepared the embryonic command for overseas service until its transfer to England, where the Eighth Air Force gained fame conducting daylight strategic bombing missions over western Europe.

The 3rd and 27th Bomb Groups trained at Hunter Field throughout 1940-41, participating in large-scale Army maneuvers in the Carolinas. On 7 December 1941 the Japanese bombed Pearl Harbor. All passes from Hunter Field were immediately canceled and airmen required to wear uniforms at all times. The US now faced war with Japan and Germany.

From 1941 to 1943 the base grew to a population of 10,000, expanded its boundaries from 900 to nearly 3000 acres, built six additional cantonments and tent camps at the installation, expanded runway capacity, built aircraft parking aprons, and trained ground support squadrons, bomber groups, and fighter groups. Units trained at Hunter Field later saw active combat in all major theaters of war, including the China-Burma India Theater, the Pacific, and in Europe.

In March 1943 the USAAF designated Hunter Field as the Third Air Force Staging Wing Base, changing its mission to staging air crews and aircraft for transfer to combat operations in Europe. Over the next two years, Hunter Field processed 9000 aircraft and 70,000 crewmen.

The Ill-Fated 27th Bomb Group



In November 1941 the Air Corps transferred the 27th Bomb Group from Hunter Field to the Philippines. The 27th arrived just before the Pearl Harbor attack on 7 December 1941. The Japanese invaded the Philippines days later. In a letter dated 18 February 1942 Lieutenant Colonel John Sewell described the 27th's ordeal to his family: "We never did get any airplanes and… as infantry we have functioned… We are living in the jungle; no tents… We eat twice a day… mostly canned salmon and rice. Morale is high… I have lost several men and one officer, mostly killed by bombs… But we have killed hundreds of [Japanese] too…How or when this letter will reach you I have no idea. I am putting it in the hand of God." The Japanese killed or captured the entire unit when the Philippines fell in April 1942. The photo depicts U.S. prisoners of war on Bataan being led into a brutal captivity.

The military built approximately 450 buildings at Hunter Field from 1940 to 1945. Over the past sixty years the installation has demolished most of its World War II buildings. Remaining on-post World War II structures include a water tower (Facility 721), an abandoned ammunition storage area (Buildings 1305-1308), a heat plant (Building 812), two bomb sight storage facilities (Buildings 803 and 816), the sewage treatment plant, the small arms range (used in World War II to test fire and sight in aircraft-mounted machineguns and cannon), three hangars (Buildings 811, 813, and 1290), and various administration buildings and warehouses.

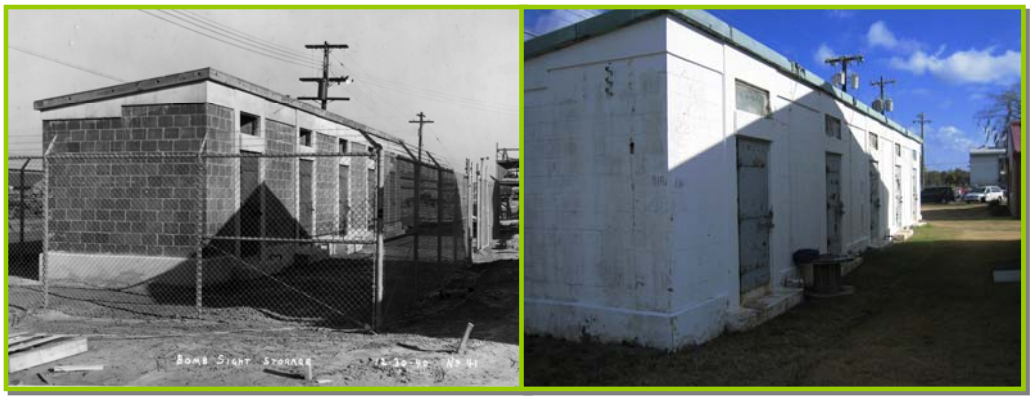
After Germany's surrender in May 1945 Hunter Field processed aircraft and crew returning from the Mediterranean and slated for duty in the Pacific. This operation was cut short on 6 August 1945, when the B-29 *Enola Gay*, piloted by Colonel Paul Tibbetts, dropped a terrible new weapon—an atom bomb—on the Japanese city of Hiroshima, killing 100,000 Japanese. A second bomb dropped on Nagasaki prompted the Japanese government to surrender unconditionally. The mushroom clouds over Hiroshima and Nagasaki marked the final act of World War II and ushered in an era of global uncertainty. Would the destructive power of the bomb force an end to war? Or would the bomb lead to an end to humanity?

Hunter Army Airfield—Then (1940-1950) and Now (2006)

Facility 721 Water Tower



Building 816 Bomb Sight Storage Facility



Building 811 Hangar



A Municipal Airport Again

After 1945 Hunter Field reverted to the Savannah Municipal Airport. The airport only used a small fraction of Hunter Field's cantonment, the balance leased by the Federal Public Housing Administration to various public and private enterprises. Businessmen converted buildings to industrial plants, commercial businesses, and even apartments. The University of Georgia, overwhelmed with returning veterans, even opened a satellite campus on the old airbase.

Colonel Paul Tibbetts



Tibbetts (born 1915) trained at Hunter Field in 1940-41 as a lieutenant in the 3rd Bomb Group and remembers that "The… months [training at Hunter Field] were the most important of my career from the standpoint of learning to become a precision pilot." He distinguished himself in World War II as a squadron commander in Europe. In the Pacific Tibbetts commanded the 509th Composite Group, which dropped the Hiroshima and Nagasaki A-bombs. Tibbetts returned to Hunter as commander of the 308th Bomb Wing from 1956 to 1958. He married his second wife in the Hunter Chapel, Building 145, in 1956. At right is Tibbetts just after completion of the Hiroshima mission.

The Cold War and Strategic Air Command

As the 1940s ended the Soviet Union, formerly a World War II ally, showed itself under the dictator Josef Stalin to be an implacable foe of western capitalism and democracy. The Soviets took control of Eastern European nations, attempted a blockade of Berlin in 1948, and exploded their own atomic weapon in 1949. The US grew increasingly concerned with Communist aggression and expansion. In 1947, President Truman signed the National Security Act (NSA), reorganizing the US defense and intelligence establishments and making the Air Force a completely independent branch of service. Because of its role in atomic bomb deployment, the Air Force became the most important branch of the service. The Air Force's Strategic Air Command (SAC) was responsible for atomic bomb delivery, making it the most important of the Air Force commands.

And what of SAC's principal weapons? In 1948 there were less than sixty atomic bombs in the US nuclear arsenal, stored in four "Q Areas" controlled by the civilian Atomic Energy Commission, all adjacent to Air Force bases in the southern parts of the country: one in New Mexico, one in Tennessee, and two in Texas. By 1950 SAC consisted of fourteen bomb wings, flying mostly B-29 and B-50 propeller medium bombers, or huge B-36 piston-pull heavy bombers. Like the Q Areas, SAC based its bombers primarily in the southeast and southwest parts of the country.

General Curtis LeMay



The controversial General Curtis LeMay (1906-1990) commanded SAC from 1948 to 1957. LeMay made frequent surprise visits to his bases, including Hunter AFB. Under LeMay SAC continually improved its training, technology, doctrine, and morale, although the general was notorious for making disturbing public comments favoring pre-emptive nuclear war. LeMay retired as the Air Force Chief of Staff in 1965 and in 1968 ran unsuccessfully for vice president on George Wallace's ticket.

As part of SAC's southern strategy, in 1949 SAC stationed the 2nd Bomb Wing and its B-50 bombers at Chatham Field, a World War II airbase built a few miles west of Savannah. However, Chatham Field had inadequate barracks and operations facilities, and proved unsatisfactory for SAC. In order to keep SAC in the Savannah area, the city offered to exchange Hunter Field for Chatham Field.

SAC accepted and in September 1950 the switch occurred. Hunter Field became Hunter Air Force Base (Hunter AFB), while Chatham Field became the Savannah Municipal Airport, now known as the Savannah/Hilton Head International Airport.

When SAC arrived at Hunter AFB in 1950, they found a neglected World War II-era airport. Buildings creaked with rotten siding and broken windows, while asphalt roads showed ruts and holes, and grass grew through the pavement of aircraft parking aprons. A land conflict in Asia soon accelerated the pace of base construction and development.

In June 1950 Communist North Korea invaded South Korea, starting the Korean War (1950-1953). Concerned that this attack was orchestrated by Moscow as the first round of World War III, the Truman administration began an immense American military build-up, with SAC a major beneficiary. During the Korean War the US nuclear arsenal increased from 300 atomic bombs to over 800, while SAC grew from 59,000 to 153,000 personnel, developed and issued new jet aircraft, and built up new bases, including Hunter AFB.

SAC Bombers at Hunter AFB: 1950-1953

SAC stationed B-29 and B-50 bombers at Hunter AFB from 1950 to 1953. The B-29 entered service during World War II and had a maximum speed of 357 mph and a range of 3,250 miles. The B-29 spawned many variants, including the B-50(pictured at right), which entered service in 1948. The B-50 was similar to the B-29, but had greater speed (385 mph), range (4,650 miles), and mid-air refueling capability.



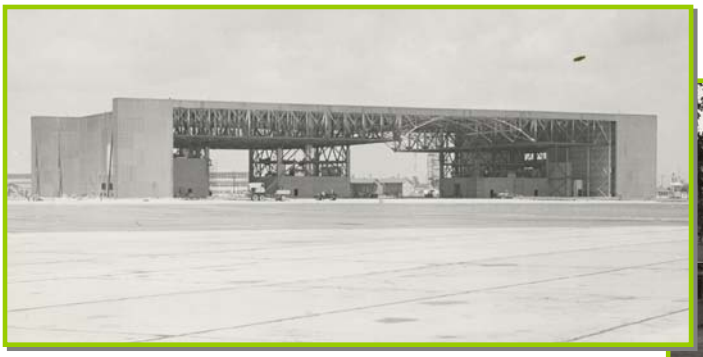
By January 1951 SAC had slated a second bomb wing for Hunter AFB, and in 1950-51 spent over $5.6 million on the base, mostly in repairing World War II buildings, roads, and runways, and expanding the base to its current boundaries west to the Little Ogeechee (Forest) River and east to White Bluff Road. In the summer of 1951 Congress spent nearly $6 billion on the largest military construction program since World War II. Hunter AFB received $24.5 million, promptly spending $2.5 million on building what is now the installation's current runway.

Early SAC Operations at Hunter AFB

In the midst of this new construction the 2nd Bomb Wing conducted ground training, aircraft maintenance, Unit-Simulated Combat Missions (USCMs) which included practice bomb runs over American cities, and practiced loading and deployment of nuclear weapons. For weapons exercises SAC constructed a new ammunition storage area (still the post's ammunition storage point) and also "Hardstand 13," an unassuming facility (once located within the Building 1336 motorpool area but now demolished) which served as a classroom for nuclear weapons operations, and as a central control point for weapons loading exercises.



« Hardstand 13, December 1950



Pinwheel barracks, circa 1954 »

«Building 850 under construction, 1954



In April 1952 the 308th Bomb Wing, armed with B-29s, arrived at Hunter AFB. The 2nd and 308th Bomb Wings together formed the 38th Air Division. On paper each wing had 45 bombers in three combat squadrons and over 2500 men, including combat crews, maintenance personnel, and security teams. In reality, the more recently-formed 308th did not possess its full complement of bombers and was not yet rated combat ready.

"The New Look"

In 1952 Dwight D. Eisenhower was elected President. After Eisenhower's election, a series of military and political events, including the development of thermonuclear weapons thousands of times more powerful then atomic bombs, spurred the arms race between the US and the Soviet Union. It was thus under Eisenhower that the concept of deterrence through the threat of massive nuclear retaliation became central to US strategic planning, and was formalized in a reform of the military establishment called "The New Look"—named after a style of women's fashion advertised in Vogue magazine. Under the New Look, the Eisenhower administration stressed the deterrent potential of

US Special Weapon Deployment: 1948-1956

From the late 1940s through the 1950s the government stored its nuclear arsenal in secure "Q Areas," which grew in number from four in 1948 to twenty in 1960, matching the increase in the US nuclear and thermonuclear arsenal. Some SAC airfields were located next to Q Areas, but for the other installations not adjacent to Q Areas (like Hunter AFB) the Air Force, prior to 1952, deployed the nuclear weapons in two ways: bombers would fly to the Q Area, pick up bombs, and then conduct the exercise; or transport aircraft would fly the bombs from the Q Areas to the bases, and the bombs would be temporarily stored on the base.

nuclear weapons by making SAC the centerpiece of the military establishment, and from 1953 to 1961 SAC received nearly 50% of the entire US military budget.

With this massive increase in funding it is no surprise that many buildings at Hunter Field today date from this time period. From 1953 to 1956 the installation, in conjunction with the Savannah District Corps of Engineers, constructed on-post family housing, three massive pinwheel barracks, new double cantilever hangars, new administration and shop buildings, new air traffic control buildings, and new community and recreation facilities.



The B-47 Stratofortress »

The advent of the New Look coincided with a long-planned SAC-wide aircraft upgrade. In 1953 SAC began issuing the new B-47 jet bomber to its units, with Hunter AFB receiving its first jets in January 1954. Throughout the previous year, in addition to undertaking regular duties, SAC personnel at Hunter AFB had been training to fly and maintain this new aircraft, vastly different from their World War II-vintage propeller-driven bombers. With its swept-wing design and bubble cockpit, it looked and maneuvered more like a fighter than a bomber.

The B-47 flew at a top speed of 600 miles an hour, 200 mph more than its predecessors. The B-47 only had a range of 4000 miles, but its in-flight refueling capability gave this bomber a global reach. B-47's speed and maneuverability revolutionized bomber tactics and doctrine. Instead of flying in mass formations, the B-47s would individually fly into enemy airspace at various points, relying on surprise and speed as its main defense. This required more intensive flight training then was given to World War II bomber crews, and Hunter AFB, like other SAC bases, emphasized a high degree of training and readiness. Combat crews continually practiced navigation problems, bomb runs, outdoor survival, and other skills necessary to fight and (possibly) survive nuclear war.

SAC Aircraft Maintenance at Hunter AFB

Crew chiefs would inspect their aircraft and inform Wing Maintenance Control of any maintenance problems. Maintenance Control, in turn, tracked the status of all sixty aircraft under its responsibility through a large plexiglass board, from which they scheduled the shops to work on aircraft. Maintenance Control issued the wing maintenance shop work orders, than each shop assigned their particular mechanics to the aircraft, giving them specific times for the work to be completed. Because B-47 bombers had limited space for maintenance work, the maintenance had to be very carefully coordinated. Each mechanic had a specific scheduled time to work on each aircraft, and if a mechanic ran out of time and did not inform Maintenance Control by radio, he would have to leave and let the next mechanic work.

In support of the combat crews, SAC maintenance personnel worked on aircraft along the massive concrete aircraft parking apron, capable of parking over 130 bombers and refueling tankers. The 2nd Bomb Wing operated from the north edge of the apron, while the 308th operated on the east edge. The space between the two double cantilever hangars, Buildings 850 and 860, marked the operational boundary between the two wings. New buildings were arranged and old buildings adapted to suit a maintenance system centrally controlled by single bomb wings. Basic maintenance and inspections of aircraft by combat squadrons and organizational/periodic maintenance squadrons occurred in nosedocks such as Buildings 843, 844, and 845 or on the flightline.

More specialized maintenance occurred in the large hangars under field maintenance squadrons in Buildings 850 and 860. Smaller aircraft components were often removed for maintenance in the armament & electronics squadron shops, which mostly operated out of old World War II buildings and hangars, such as Buildings 811, 813, 1206 and 1290. Wing maintenance control directed all of these maintenance activities.

From Wing Rotation To Reflex

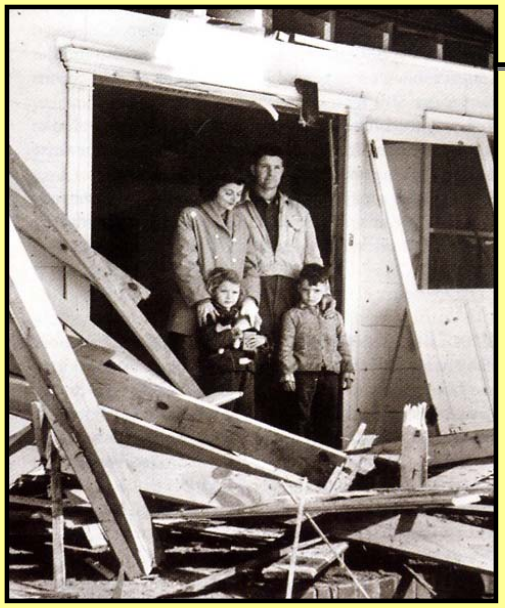
In 1954 SAC headquarters rated the entire 38th Air Division combat-ready and nuclear-capable. The 38th took part in wing rotation, a SAC program bringing bombers within easy range of the Soviet Union through ninety-day tours at SAC bases in the United Kingdom and North Africa.



A Second Bomb Wing Combat Crew, 1957

Hunter AFB's flightline was the staging area for the wings' deployment. The 2nd Bomb Wing undertook two wing rotations to the United Kingdom in 1951 and 1952. Both the 2nd and 308th Bomb Wings conducted multiple wing rotations to North Africa, particularly to Sidi Slimane, Morocco, after 1952. However, the presence of large U.S. bomber forces often caused political problems for the host countries. Wing rotation deployments ceased by the late 1950s.

The 1950s was a decade of continual evolution of nuclear weapons and delivery technology. By 1953 both the Soviet Union and the United States had developed thermonuclear, or hydrogen bombs, hundreds of times more destructive than atomic bombs. More ominously still, the development of missiles meant the warning time for an attack would soon be measured not in hours, but within minutes. This dawning realization led to SAC developing both a rapid response for its bomber force (the Alert program), and on-site nuclear and thermonuclear weapon storage on all SAC bomber installations. The latter program was called the Bombs on Base (BOB) program—fifteen facilities built in the current ammunition area were constructed as part of BOB in 1957.

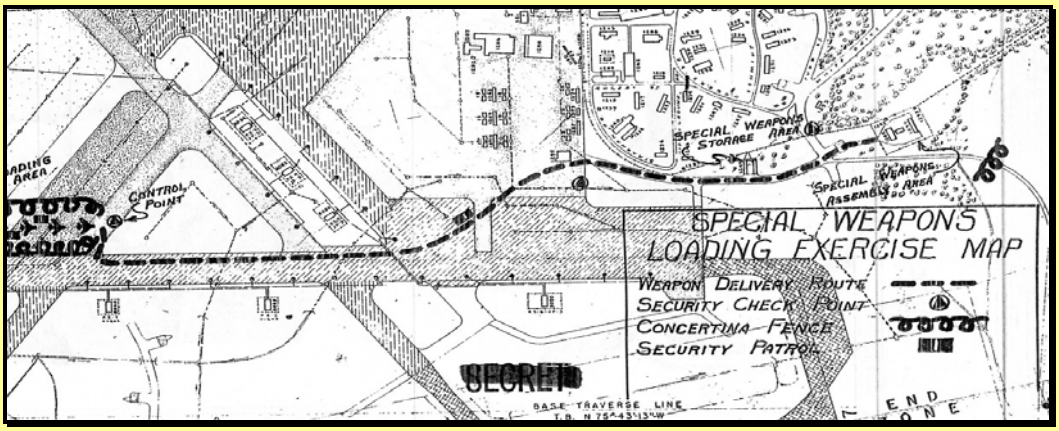


H-Bomb Accidents and Hunter AFB

Hunter AFB was involved in two accidents involving hydrogen bombs, occurring within a month of each other. In February 1958 a bomber from Homestead AFB collided with a fighter plane, forcing the bomber to jettison the bomb off the coast of Tybee Island and land at Hunter AFB. In March 1958 a B-47 of the 308th Bomb Wing inadvertently dropped a hydrogen bomb near Florence, South Carolina, injuring six people and destroying a farmhouse owned by the Gregg family (shown at left with their house after the incident). Because of standard SAC safety precautions neither bomb was armed for a thermonuclear detonation.

By 1956 SAC had developed a one-third ground alert concept, which envisioned a third of SAC aircraft on alert *and armed*, ready to take off within fifteen minutes' warning for retaliatory nuclear strikes. In 1956 SAC headquarters designated Hunter AFB as the first test site for this concept. Under Operation TRY OUT (November 1956-April 1957) Hunter AFB locked the installation down, placed a third of its aircraft in full alert configuration, and continued normal training and maintenance schedules. The next six months were a grueling ordeal for the officers and men at Hunter AFB. One airman of the 2nd Field Maintenance Squadron recalled, "[W]e come on the base, we didn't go off the flightline for… months. I slept on mattresses brought in from the barracks on the hangar deck [of Building 850]. The messhall brought bag lunches, that's what we ate, and we lived and worked right out of the hangar."

Hunter AFB proved the one-third alert concept feasible and SAC quickly moved to implement the program after TRY OUT. In the late 1950s and early 1960s, when the US faced the threat of missile attack with only a bomber force, one third ground alert remained critical to US nuclear deterrence, and SAC bombers used variations of this alert concept through the end of the Cold War. In July 1957 SAC also began Reflex operations, which stationed bombers on ground alert in overseas bases primarily in North Africa and England. Reflex soon replaced wing rotation. By 1958 Hunter AFB began both home station alert and Reflex operations.



Special Weapons Operations at Hunter AFB

"[W]e always towed the Bomb behind a truck and…the trailer was covered with canvas. When we got to the B-47, the crew chief on the B-47 would open up the bomb bay, back the bomb in, in between the engine and the bomb bay, then we would hang the curtains from the bomb bay to the trailer and we'd push the Bomb in… Now when you loaded your Bomb… then we would set in what was called the Capsule. In those days, the Capsule was the Uranium-235 or whatever they put in the atomic weapon, and it set separately in the bomb bay… [I]t's against the law to fly over the continental United States with a loaded atomic bomb, so [when the aircraft got beyond the three mile limit] the bombardier…would [crawl] back into the bomb bay, take the Capsule out, go around behind it (there was a little walkway where you'd go around behind the Bomb), [attach] the Capsule, then the Bomb was loaded…"

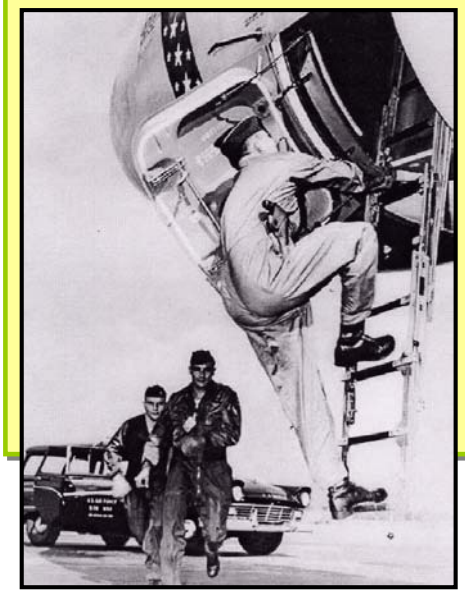
—Joe Kerr, 804th Supply Squadron, Hunter AFB, 1955-1957

In October 1957 the Soviet Union launched Sputnik I, the first man-made orbital satellite, leaping ahead of the US in what came to be known as the "Space Race." Sputnik proved Soviet intercontinental ballistic missile (ICBM) capability. With the United States' own rockets and missiles under development, SAC's bomber alert and Reflex program became more important then ever to the country's defense against Soviet missile attack.

Changing Strategies

In the mid-1950s SAC began basing bomb wings in the northern tier of the country, closer to the Soviet Union when flying over the Arctic Circle, and away from heavily populated areas. By 1955 the first B-52 heavy bombers—with greater range and payload capacity than the B-47—came online, while the US deployed ICBMs by 1959. The development of ICBMs and the B-52 precluded the need for B-47 bases in the southeast. Hunter AFB became obsolete.

The SAC Alert Area at Hunter AFB



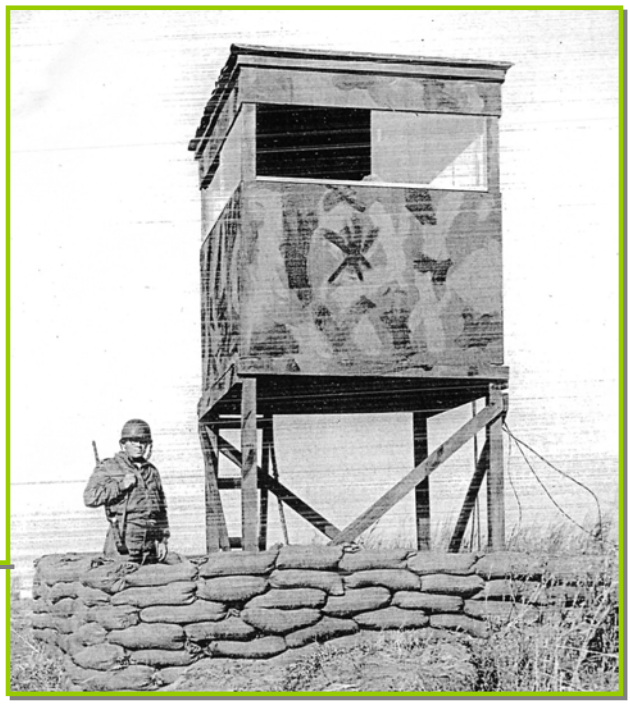
The area known as "Saber Hall" was originally a SAC alert area, built in 1960 for home station alert operations. Building 8661, known as the "molehole," housed combat crews on alert, ready to run up the ramps to waiting aircraft, parked on the "Christmas Tree" apron, fully fueled and loaded with nuclear weapons. Aircraft parked at the Alert area stood ready to take off within fifteen minutes of the alert siren. The photograph at left depicts an alert crew running to their B-47 at an unknown alert area.

By 1960 SAC had transferred the 308th from Hunter AFB and announced the base's eminent transfer to Material Air Transport Service (MATS), another Air Force command. Because of changes in technology and American nuclear strategy, Hunter AFB's days as a SAC installation were definitely numbered.

The country elected John F. Kennedy President in 1960. The Soviets tested the young president repeatedly. Two years into Kennedy's presidency, in October 1962 (six months before SAC was scheduled to leave Hunter AFB), the Soviets began installing medium-range nuclear missiles in Cuba. The US imposed a naval blockade on missile shipments and demanded the missiles' removal. The world waited nervously and wondered what would happen if the Soviets tried to run the blockade—would a naval incident between the two superpowers start World War III?

Hunter AFB's 2nd Bomb Wing already had seventeen B-47s on Reflex alert overseas, and dispersed thirteen other bombers to Shaw and Charleston AFBs in South Carolina, all in full Emergency War Order configuration, loaded with nuclear weapons and Jet-Assisted Take Off rockets for lift-off. Beginning on 20 October 1962 the installation hosted the B-47s of the entire 306th Bomb Wing. On 22 October SAC placed its fleet at DEFCON 3, increasing readiness and alert levels above normal levels. By 24 October all aircraft at Hunter AFB, sixty B-47 bombers with full nuclear payloads, sat silent on the aircraft parking apron and the "Christmas Tree" apron at the alert area, waiting for the balloon to drop.

Other SAC bases in the U.S. and overseas were on full alert. Overhead, B-52s flew on airborne alert. Fortunately the Soviets stepped back from the abyss on 29 October 1962, pulling the missiles from Cuba while Kennedy secretly agreed to withdraw US missiles from Turkey. In this most dramatic Cold War incident of nuclear brinksmanship, the Soviets had blinked.



Temporary guard tower built during the Cuban Missile Crisis, Hunter AFB October 1962 »

Materiel Air Transport Service

Within six months of the end of the Cuban Missile Crisis, all SAC aircraft had left Hunter AFB. In April 1963 SAC transferred Hunter AFB to the 63rd Troop Carrier Wing of MATS (Materiel Air Transport Service), which stationed sixty C-124 cargo planes and 4300 men to the installation. By 1964 tenant units had also moved to the base, including the Coast Guard. The 63rd's missions were truly global, and flew in support of humanitarian efforts, the Gemini NASA missions, and military operations such as the US intervention in the Dominican Republic in 1965. Significantly, missions to Vietnam gradually increased as the decade wore on and the US became more deeply involved in that country's affairs.

In 1964, a year after MATS arrived, the Department of Defense announced Hunter AFB's closing. Built as a SAC base, Hunter AFB did not have the facilities needed to support transport missions.

Vietnam and the Army's Arrival

In the late 1950s and early 1960s the Army developed troop-carrying transport helicopters, helicopter gunships designed for close air support, and tactical doctrine for airmobile warfare. These efforts paid off in a tactical sense when the US became involved in the Vietnam War.



Saber Hall (the old SAC Alert building) in 1970, then in use as an AH-1 Cobra training facility

In 1965 US combat troops were sent to bolster a shaky authoritarian regime in South Vietnam against an insurgency sponsored by Communist North Vietnam. The helicopter became the crux of the Army's tactical efforts, essential in jungle terrain for air transport, fire support, medical evacuation, and supply.



The AH-1 Cobra

Pictured above is an AH-1 landing in the Oglethorpe Mall parking lot, 1972. The AH-1 entered service in 1967 and saw extensive use in Vietnam. HAAF was the only location in the United States during the Vietnam War where aviators could train on the Cobra. The Army has since phased out the AH-1 but it is still used by the Marine Corps.

The need for more helicopter pilots drove the expansion of the Army's aviation program, which saved Hunter AFB as a military base. In December 1966 the Department of Defense announced that the official new home of the Army's Advanced Flight Training Center (AFTC) would be Hunter Army Airfield (HAAF) and Fort Stewart. The airfield's massive parking apron, built by SAC for jet bombers, offered more than enough space for helicopter training operations.



Hunter Army Airfield is reactivated, 1974

HAAF became one of the Army's key helicopter training sites during the Vietnam War. Between 1967 and 1972, HAAF and Fort Stewart trained 11,000 rotary wing pilots and 4,328 fixed wing pilots, including 1400 South Vietnamese aviators. The US withdrew all combat troops from Vietnam in the early 1970s and in 1972 the Army closed HAAF. In 1975 North Vietnam conquered South Vietnam, closing an ignominious chapter in American history.

HUNTER ARMY AIRFIELD: 1974 TO 2001

The Army reopened HAAF in 1974 and designated it a sub-post of Fort Stewart and a base for the 24th Division's helicopter and support elements. In 1978 the 1st Battalion, 75th Ranger Regiment moved to HAAF as a tenant unit.

By the late 1970s HAAF had become the US Army's premier rapid deployment node on the eastern seaboard, thanks in no small part to facilities left behind by the Air Force, including the runway, parking apron, and the old SAC alert area, now called "Saber Hall." Special Forces troops or elements of the 24th Division could deploy as rapidly as possible to nearly anywhere in the world,

making it a potent offensive resource in the Cold War. The installation's effectiveness was demonstrated by its use as a rapid deployment center during the 1983 Grenada invasion, when the US squelched a Cuban-sponsored Marxist island state in the Caribbean.

In 1990 the Soviet Union collapsed, relegating Communism to the dustbin of history. For forty years the installation's purpose had been largely geared to the ongoing Cold War. What would the future hold for Hunter Field, and indeed, the US military?

In 1990-1991 the 24th Infantry Division participated in Operations Desert Shield and Desert Storm, taking part in the liberation of Kuwait and the destruction of much of Saddam Hussein's Iraqi Army. However, few missions in the 1990s had the clarity of Desert Storm, and the Army conducted multiple open-ended peace-keeping and humanitarian missions in countries as diverse as Haiti, Somalia, and the former Yugoslavia, with mixed results. In the middle of this uncertain decade, in 1996, the 24th Infantry Division was re-flagged the Third Infantry Division, "The Rock of the Marne."

Confronting Global Jihad: 2001 to the Present

After a close and controversial election, in 2001 President George W. Bush was sworn into office. On September 11 of that year, al-Qaeda terrorists flew three passenger aircraft into the Pentagon and World Trade Center towers, killing 3000 people. Once again America was at war, although not with a traditional enemy, but an extremist religious movement.

The current protracted guerrilla conflicts in Afghanistan and Iraq—fought as part of the larger War on Terror—have accelerated changes in organization and doctrine and also increased the construction tempo on Army bases. Within this context HAAF continues to be an important deployment and support base for the Army thanks to its existing airfield facilities, and location adjacent to Fort Stewart and the east coast ports of Savannah and Charleston. Its status shows no sign of changing soon, particularly since Army reorganization and withdrawal from Europe means more troops will be stationed on the installation.

Sixty years ago the Air Corps developed HAAF into a military airfield. During the Cold War the installation adapted to the military's changing needs, serving first as a bomber and air transport base for the Air Force, then as an Army helicopter training base, and finally as a rapid deployment node and home for an infantry division's aviation units, in addition to various Special Operations, Marine Corps, Coast Guard, and Air Force tenants. The War on Terror, too, will eventually pass into history but it will not be the final chapter in this installation's story.



Third Division troops returning from OIF III deployment in December 2005 walk through the massive doors of Building 850, a historic Strategic Air Command hangar.

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A-10 and B-18 bombers of the 3rd and 27th Bomb Groups parked at Hunter Field, early 1941. Buildings 811 and 813 are visible in the background of the photograph.

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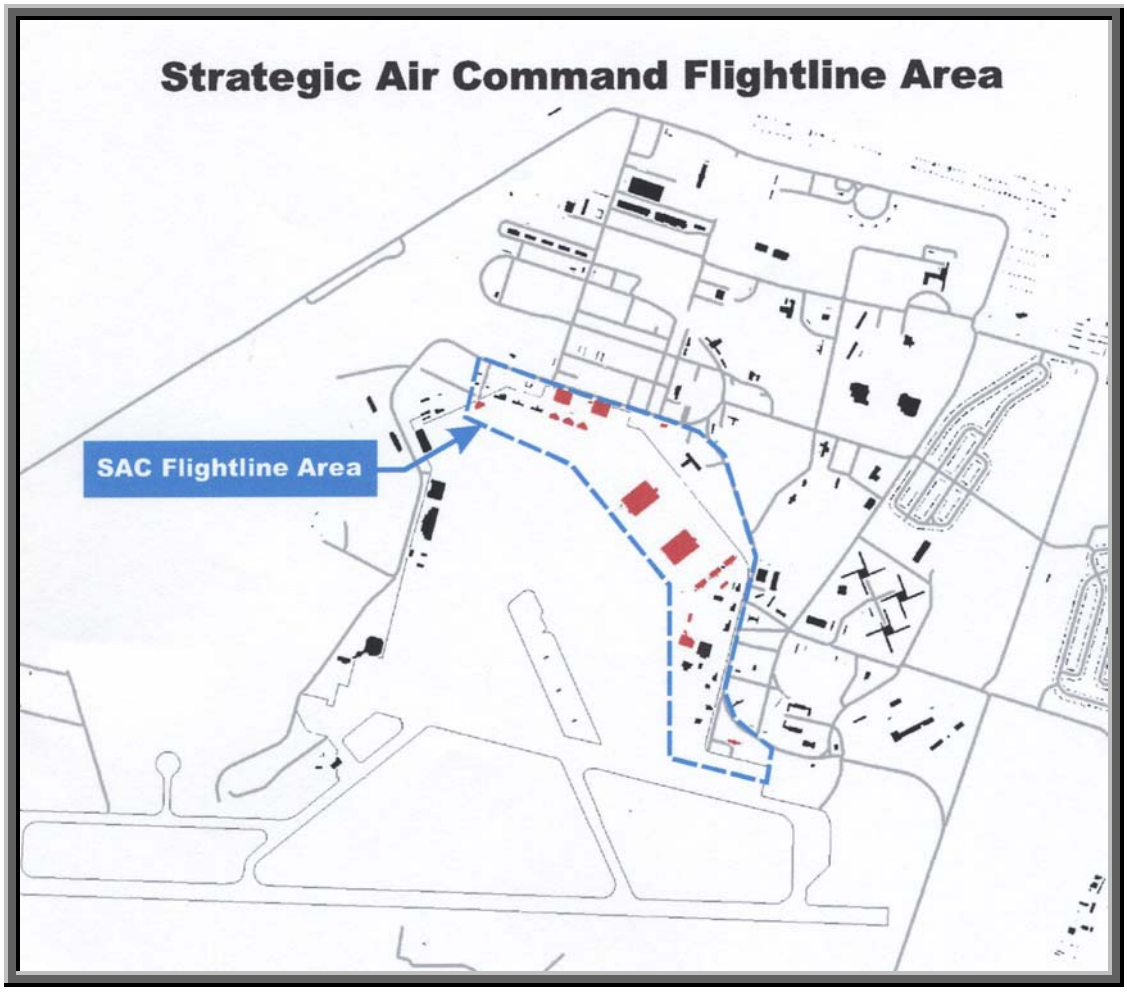


Figure 2.1 The Flightline Area, by David Diener, Flightline Mitigation Report [FMR], Volume II, Section 13.

SECTION 2. THE DEVELOPMENTAL HISTORY OF THE HUNTER ARMY AIRFIELD FLIGHTLINE AREA

The irregularly shaped Flightline Area stretches from Building 834 in the northwestern section of the parking apron to Building 1252 to the southeast (Fig. 2.1). This narrative explores the physical and functional evolution of the Flightline Area and its role in aircraft operations, particularly maintenance activities, from 1929 to the 1980s. The years of SAC occupation (1950-1963) will be particularly emphasized because of the installation's role in Cold War nuclear deterrence strategy during the period.



Figure 2.2 The Savannah Municipal Airport (Hunter Field) in the 1933. From the Atlanta Constitution Sunday Magazine, 22 January 1933, Municipal Airport vertical file, Bull Street Library.

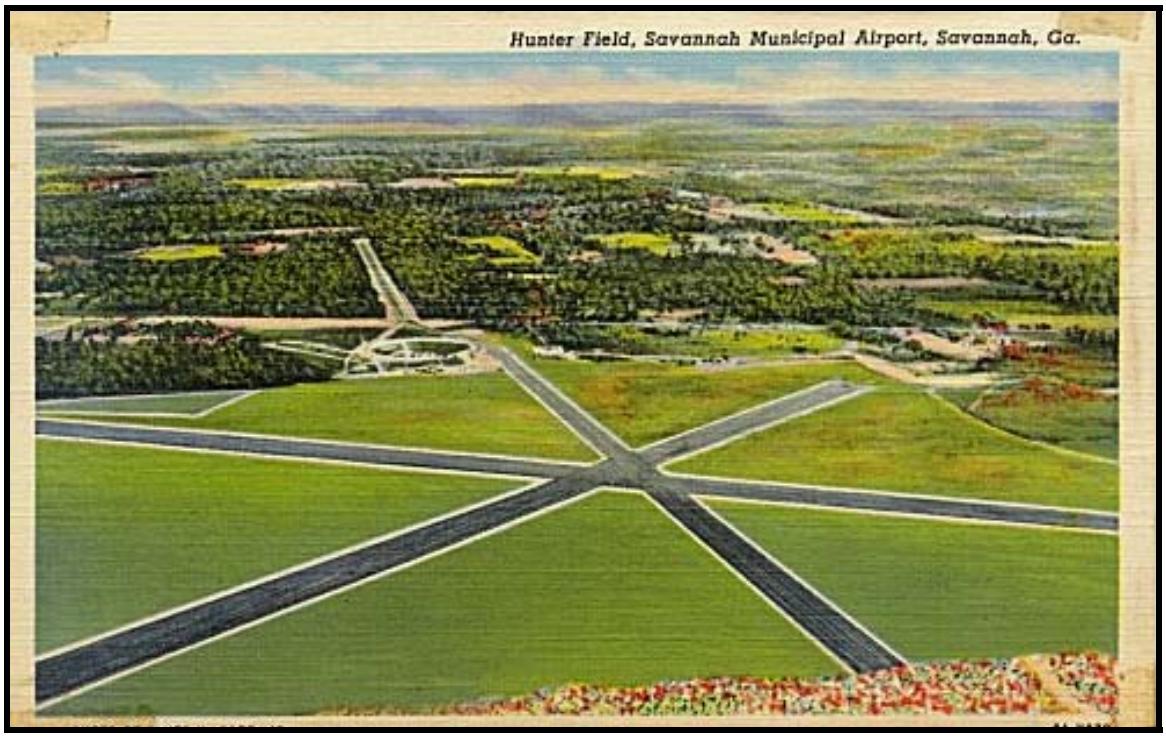


Figure 2.3 The Savannah Airport circa 1938, showing its three new asphalt runways. From a Coastal News Company postcard, photo by James H. Cobb, Jr.

Municipal Airport: 1929 to 1940

Hunter Army Airfield (HAAF) is the site of the first Savannah Municipal Airport, a graded grass airfield constructed in 1929 (Fig. 2.2). The airport lay three miles south of the city limits and there was little development in the area besides a few farms, dairies, and an African-American school at the current site of the Building 1336 motorpool (Maggioni 2004:18-19). Not until 1936, during the Great Depression, did significant

capital development occur at the airport. The Works Progress Administration (WPA), in conjunction with the city of Savannah, constructed three intersecting asphalt runways located in the middle of the current concrete parking apron, and a new hangar (Fig. 2.3 and 2.4). The hangar, now Building 1206, is the oldest building on post and the only building predating military occupation.

From 1938 to 1939 the city built a municipal airport building, replacing temporary wood structures at the airport (Fig. 2.5). This building, located four hundred feet north of Building 1206, measured forty four by eighty feet, and housed an octagonal waiting room and offices for Eastern Airlines, Delta, and the US Bureau of Air Commerce (Maggioni 2004:24-27; Newlin, J.S., Appraiser, "Project: Savannah Army Air Base-Savannah, Georgia. Municipally Owned Hangar and Administration Building," no date, Ft. Stewart Directorate of Public Works, Environmental Division, Cultural Resource Management Files). The remains of this building, specifically the terrazzo floor of the waiting room, are still extant on the HAAF flightline (Figs. 2.6 and 2.7).

By 1940 the municipal airport boasted three runways, a hangar from the early thirties sited just in front of the current Building 1132, the Municipal Airport building, the new WPA hangar (now building 1206), and three utility buildings at approximately the site of the current Building 1134. The hangars flanked the Airport Building, and all three structures were connected by a small asphalt parking apron at the east end of the east-west runway (Fig. 2.8).

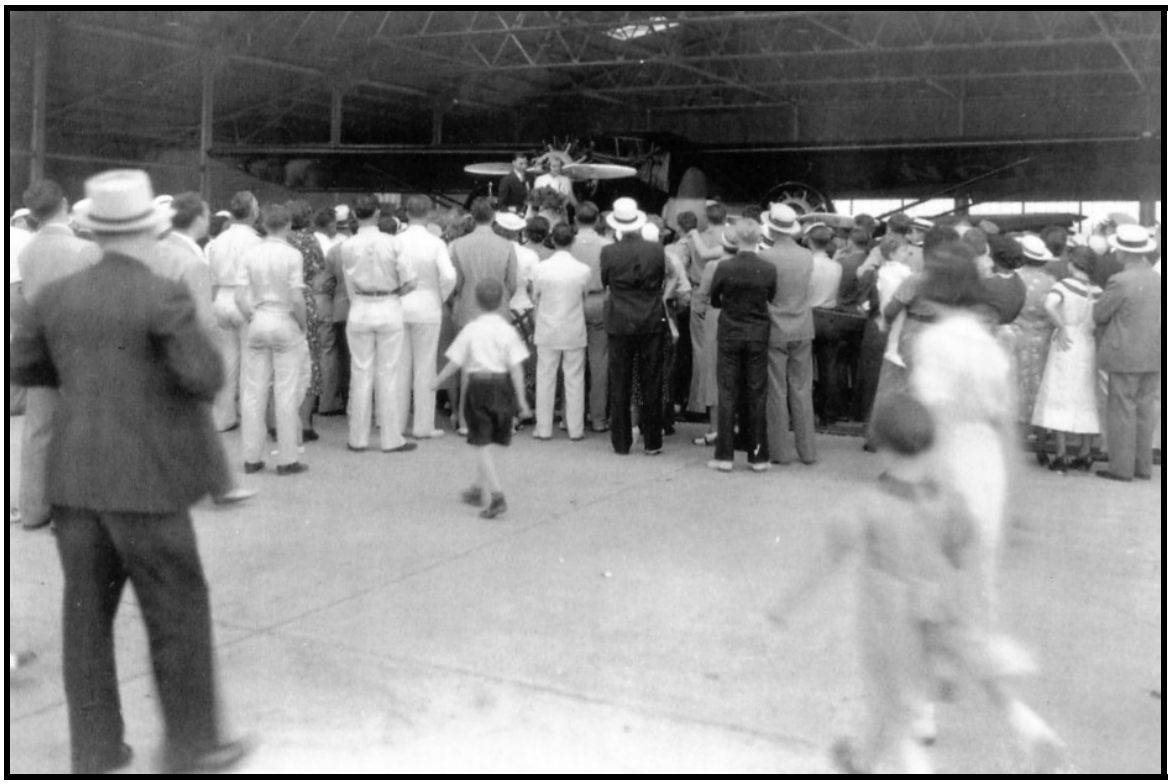


Figure 2.4 A 1937 photograph of the interior of the newly-built hangar, Building 1206, and a Strachan Skyways aircraft. From Byrd, et. al. 1998, page 24, Cordray-Foltz Collection, Georgia Historical Society.



Figure 2.5 The Municipal Airport Building circa 1951. The Army added the third floor tower during World War II. From the John Baker Collection, Mighty Eighth Air Force Museum.

World War II Training and Staging Field: 1940-1945

After Hitler invaded Poland in 1939, the US began to prepare its pitifully inadequate military for global warfare. In 1940 Congress approved the initial expansion of Air Corps installations by funding the lease of twenty-four civilian airfields for use as new Army Air Corps installations. Hunter Field was the first Air Corps installation begun under this program in October 1940, and the first of hundreds of new military airfields established in the continental US during World War II (Maggioni 2004:30).

Initially the city and the military planned to share the installation, with the Air Corps leasing the northern part of the airfield and the municipal airport using the eastern section. By November 1940 it became apparent that sharing the airfield between civilian and military uses would not be a viable option. The city developed Chatham Field in 1941-1942 on a six hundred-acre tract northwest of Savannah, but this facility was also taken over as a military airfield in 1942 (Maggioni 2004:37).*

* This airfield is the current site of the Savannah/Hilton Head International Airport and Travis Field, a Georgia Air National Guard installation.



Fig. 2.6 Waiting room of the Municipal Airport Building, circa 1951, note the terrazzo floor. From the John Baker Collection, Mighty Eighth Air Force Museum.

Fig. 2.7 The waiting room's terrazzo floor in May 2005. Photo by David Diener, FMR, Volume II, Section 15.



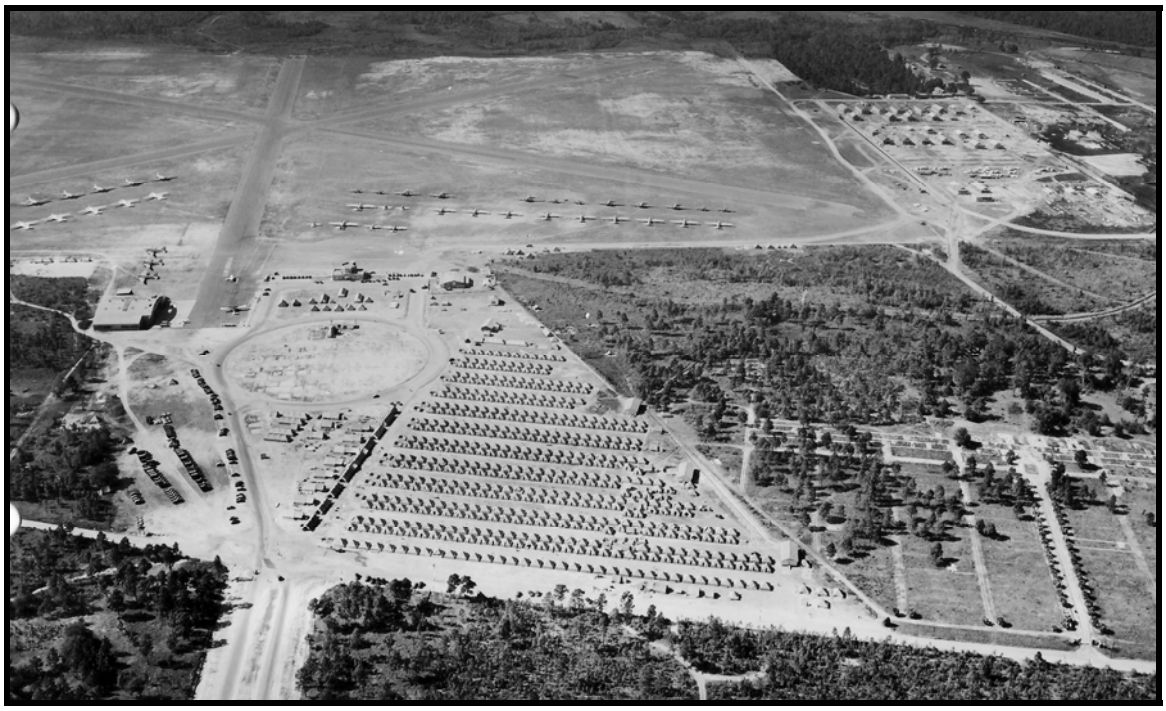


Figure 2.8 A 1940 view of Hunter Field at the start of military construction. Note the runways (currently the site of the parking apron), Building 1206 on the left, and the Municipal Airport Building above the traffic circle in the center. A Goode Construction Company photograph, courtesy U. S. Army.

From October 1940 to May 1941 the Goode Construction Company of North Carolina, under supervision of the Quartermaster Corps and the Corps of Engineers, built over fifty-five barracks and sixty-seven other buildings just north of the runways, including administration buildings, recreation facilities, crash stations, warehouses, guardhouses, hospital buildings, a Link trainer building, mess halls, officers quarters, and a theater (Savannah Morning News [SMN] 2 September 1940; SMN 13 October 1940) (Figs. 2.9, 2.10, and 2.11). As part of this development the military constructed its aircraft maintenance area just to the north of the runways, consisting of two hangars and a heat plant facility (Buildings 811, 812, and 813), two bomb sight storage facilities (Buildings 803 and 816), and thirteen 700 Series wood squadron operations buildings (no longer standing). A concrete parking apron extended a little over two hundred feet to the south of the buildings and connected to the existing runways. The squadron operations buildings were adjacent to the hangars to the west of Building 813 and the east of Building 811, next to the bomb sight storage facilities (Fig. 2.12).

Operations at Hunter Field from 1940 to 1941 focused on preparing the 3rd and 27th Light Bombardment Groups for combat. These bomb groups flew A-18 trainers, and A-20 and B-18 bombers (Maggioni 2004:30). The 3rd was based out of Building 813 and its associated operations buildings, while the 27th occupied Building 811 and the operations buildings to the east. The bomb groups' training at Hunter Field involved dangerous low-level formation flying missions, bombing practice, and support of large-scale Army maneuvers in the Carolinas. Paul Tibbets, a 26-year old Lieutenant in the 3rd

at Hunter, later became famous for piloting the Enola Gay, the B-29 that dropped the atomic bomb on Hiroshima (Maggioni 2004:34).

The bombing of Pearl Harbor in December 1941 and the subsequent US entry into World War II against Germany, Italy, and Japan added impetus to further military development of Hunter Field. From 1942 to 1943 the military added more than 2800 acres to the original airfield, tripling the installation's size to make room for additional troop areas and runways.

The asphalt runways and parking apron built in 1936-1940 were adequate for 1930s civilian aircraft, but the new, heavier military bombers required longer runways made with concrete instead of asphalt—material that could withstand greater mass and weight. The Savannah District Corps of Engineers poured the first concrete runways at Hunter Field in early 1942, extending the northeast-southwest and northwest-southeast runways, and built an additional two parallel runways and one perpendicular. The existing municipal airport's asphalt parking apron was replaced with a greatly enlarged concrete apron, which became the east apron. The Air Corps extended the north parking apron towards the runways with soil cement and bituminous material. By the end of 1942 Hunter Field had three new 5000-foot long concrete runways, two 5000-foot long bituminous runways, one 3400-foot long bituminous runway, a concrete and bituminous north parking apron, and a concrete east parking apron (Fig. 2.13).

The installation left most of the original 1940-41 hangars and operations buildings on the north apron untouched, but added infrastructure to the east apron. The military constructed a wooden fire/crash station adjacent to Building 1206 (referred to in World War II as Hangar #3), moved the other, older civilian hangar to the motorpool for automobile storage, and added a glass control tower to the top of the municipal airport building, which became the base operations facility (Hunter Field Historical Record January-September 1943:32, Microfilm Reel [MFR] B2279, Air Force Historical Research Agency [AFHRA]).

The installation also built over 450 additional buildings and four tent camps to the east, northeast, and south of the runways, mostly temporary wood or tarpaper facilities with a life expectancy between six months and ten years. With this infrastructure Hunter Field housed, at various times during the war, between three and ten thousand servicemen and women (Hunter Field 1945:14; Maggioni 2004:45, 57). The military's development of the installation during World War II, although mostly temporary in nature, set the stage for permanent military occupancy of the airfield after the war.

The frenetic pace of new construction matched the installation's post-Pearl Harbor training activities. Over the course of 1942 Hunter Field trained Bomber, Pursuit (fighter), Airdrome, Ordnance, Chemical, Signal Corps, Quartermaster, and Engineering units. Hunter Field also controlled nine sub-bases in south Georgia to support its training mission (Maggioni 2004:43-45).



Figure 2.9 A 1940 view of the initial military construction site at Hunter Field, a rural area north of the civilian runways. A Goode Construction Company photograph, courtesy U. S. Army.

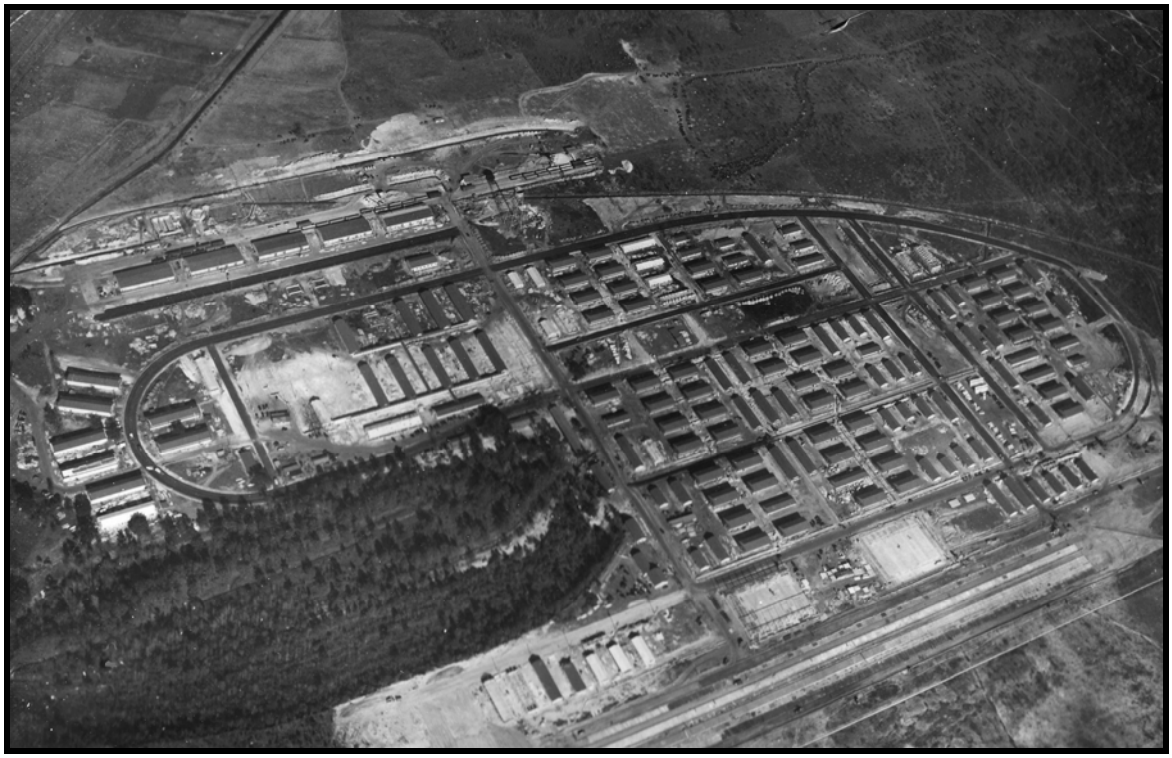


Figure 2.10 A December 1940 view of the same area after three months' work. A Goode Construction Company photograph, courtesy U. S. Army.



Figure 2.11 Construction of Building 813 in December 1940. A Goode Construction Company photograph, courtesy U. S. Army.

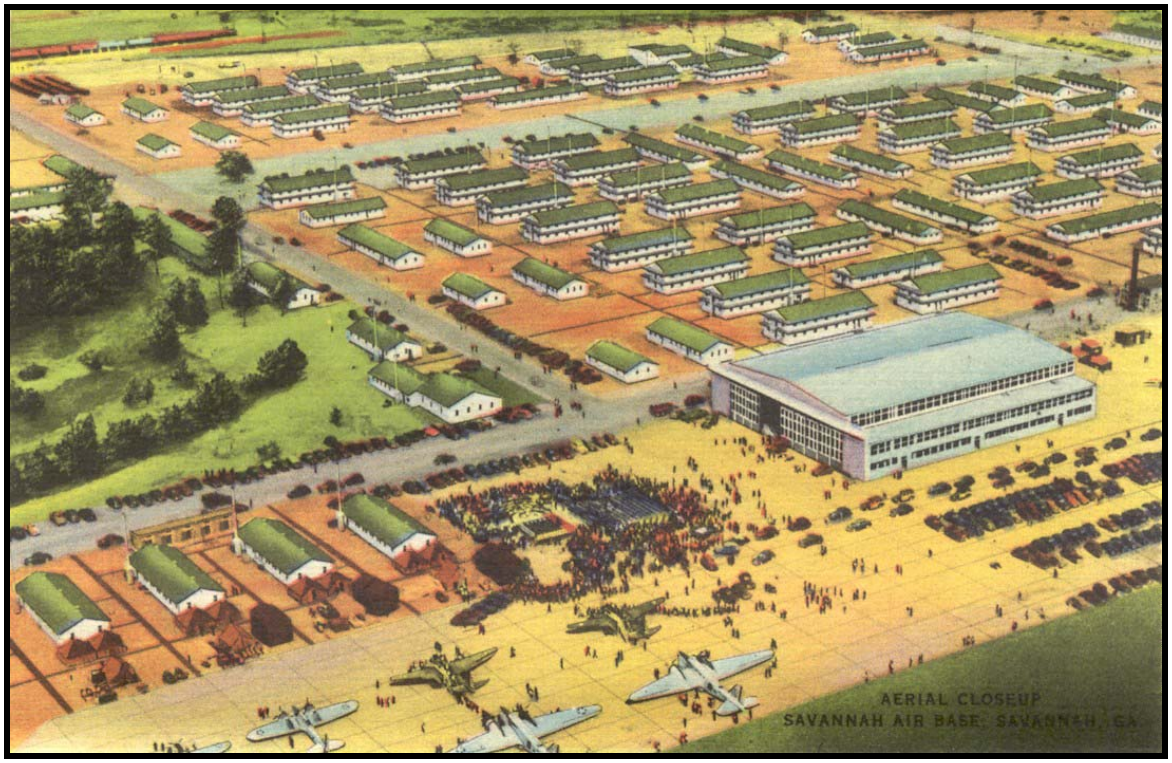


Figure 2.12 The hangar Building 813 and its associated operations buildings and bomb sight storage facility (bottom left) are clearly visible in this 1941 postcard. Barracks, messhalls, and recreation buildings are seen in the background. Courtesy Beth Grashof.

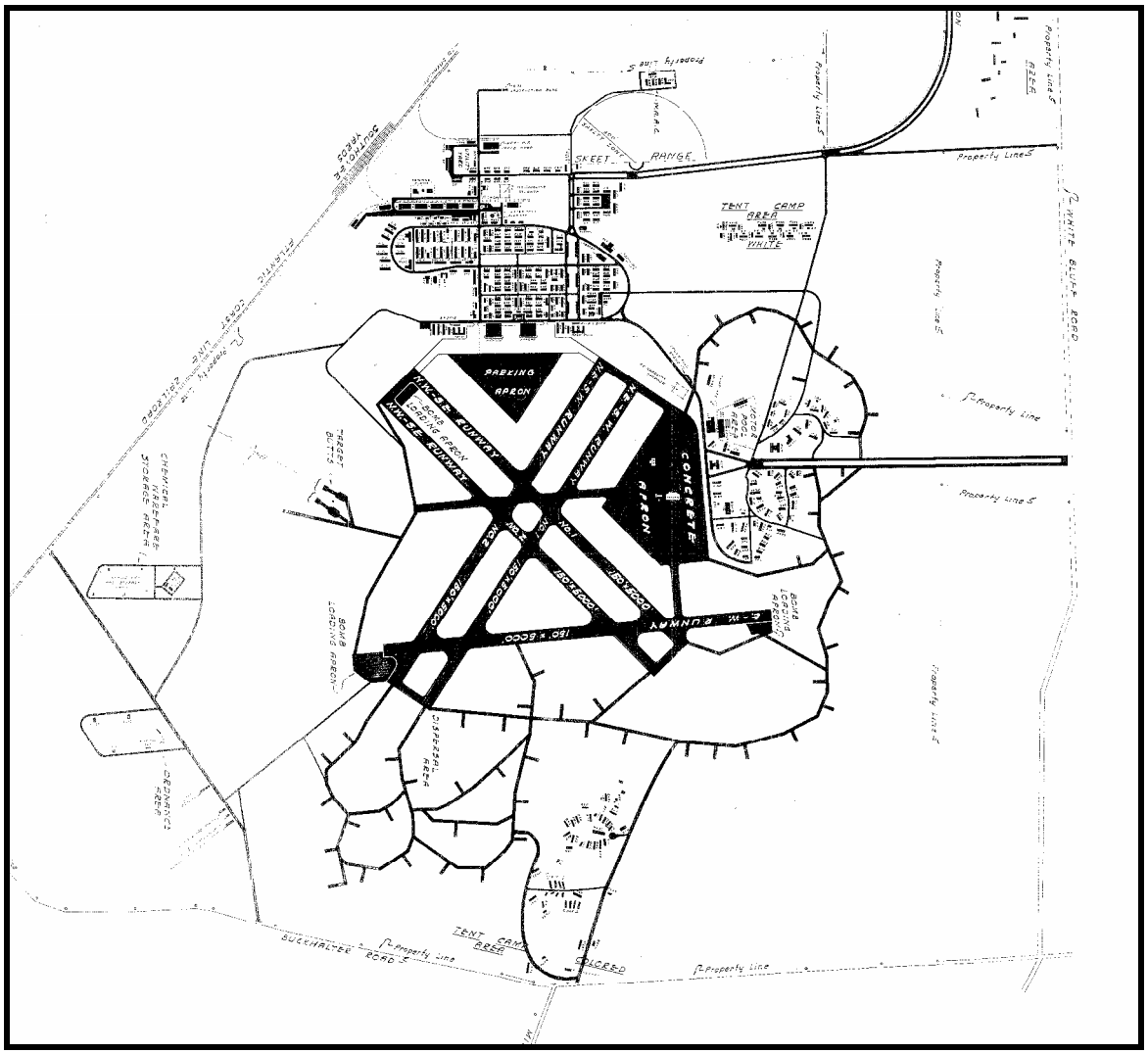


Figure 2.13 Hunter Field, 1942, with strengthened and lengthened runways and parking aprons. The installation had grown to the capability of housing ten thousand men in barracks and pyramidal tents. From the HAAF Engineering Files.

In March 1943 the United States Army Air Forces (USAAF) designated Hunter Field as the Third Air Force Staging Wing Base, changing its mission from training to processing aircraft and crews for combat duty in the European Theater of Operations (ETO). Hunter Field received aircraft (primarily bombers or transports) directly from factories, modified them for combat, assigned crews to specific aircraft, supported familiarization flights, and the flight to the combat zone across the Atlantic. In twenty-seven months' service, the installation processed nine thousand aircraft and 70,000 crewmen (Maggioni 2004:46).

There was little development on the flight line at this time, with the exception of the 1943 construction adjacent to the WPA hangar (Building 1206) of a metal open-ended pre-fabricated Butler hangar, Building 1290 (referred to in World War II as Hangar #4), largely completing construction on the flightline during the war. By this time the

Flightline Area began taking on some of its modern appearance. Many of the World War II flightline buildings, even some of the temporary wood structures, would last into the early years of the twenty-first century. All would be reused by the military during the Cold War.

Transitions: 1945-1950

After Germany's surrender in May 1945 Hunter Field became a processing point for aircraft and crew transferring from the ETO to the Pacific War, which ended in August 1945 with the dropping of atomic bombs on Hiroshima and Nagasaki. Subsequently the base served until December 1945 as a separation center for discharged personnel and as an accumulation point for aircraft being transferred to other bases (Maggioni 2004:48-49).

In early 1946 control of the airfield reverted back to the Savannah Municipal Airport, which now had an excess of infrastructure for their operations. Municipal Airport and private airline offices moved back to the Municipal Airport Building. Buildings 811, 813, and 1206 were used as civilian hangars. Building 1290 was used to store aircraft until October 1947, when a hurricane stripped the facility of its roofing, leaving it a skeletal metal shell (HAAF Re-Inspection Fire Protection and Security Report Section II Supplement, 21, 24, 25 November 1947, Accession 51-A-1, Records of the War Assets Administration Record Group 270 [RG 270], National Archives and Records Administration [NARA] Atlanta; Letter from Zone Fire Protection Engineer, Original Security and Fire Protection Report, HAAF, 10 December 1946, Accession 51-A-1, RG 270, NARA Atlanta) (Fig. 2.14). The city expanded one of the runways to 7000 feet to accommodate larger, more modern aircraft, but did little else to the rest of the massive installation. Cracks and weeds appeared in the parking apron and along the runways, and the hundreds of unused wood World War II buildings began to decay (Maggioni 2004:58, 62) (Fig. 2.15).



Figure 2.14 Savannah airport, 1949. Note the Municipal Airport Building on the left, the skeleton of Building 1290 in the middle, and Building 1206 on the right of the photo. From Byrd et. al., 1998, page 64, Cordray-Foltz Collection, Georgia Historical Society.

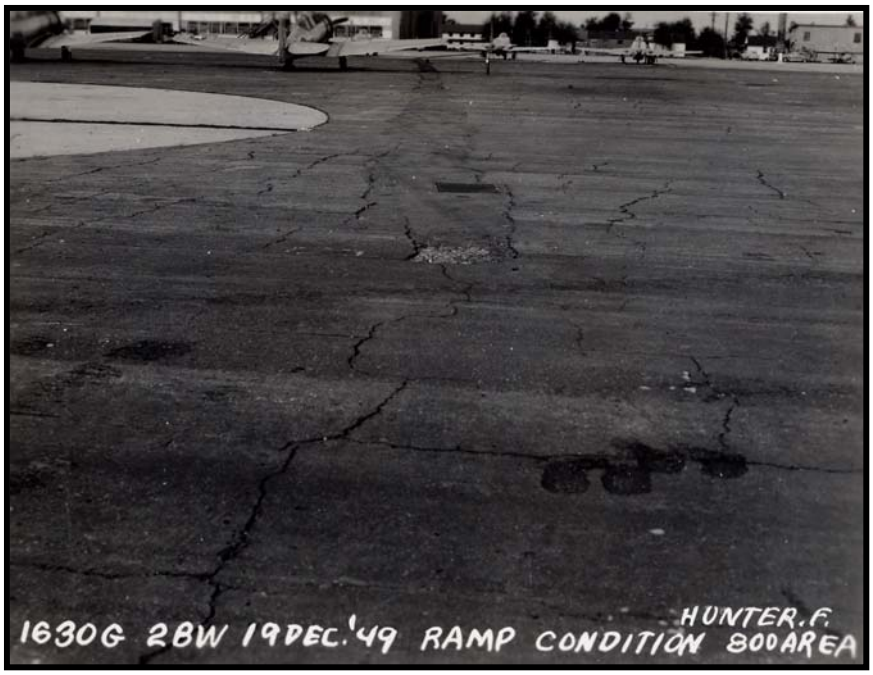


Fig. 2.15 Condition of the north parking apron in 1949. Note Building 813 in the left background and the heat plant, Building 812, on the right.

The 2nd Bomb Wing of the US Air Force Strategic Air Command moved from Davis-Monthan AFB in Arizona to nearby Chatham Field in 1948. Finding the infrastructure at Chatham Field unsatisfactory, SAC arranged with the city of Savannah to exchange airfields, with SAC taking Hunter Field and the Municipal Airport moving to Chatham Field (Maggioni 2004:62). In early 1950 Hunter AFB became part of SAC's Second Air Force, with headquarters at Barksdale AFB, Shreveport, Louisiana (McQueen, CPT Raleigh H. [McQueen], 2nd Air Base Group History, July 1951, MFR K0805, AFHRA).*

The first SAC aircraft stationed at Hunter AFB were not bombers, but transport aircraft of the 2nd Air Base Group, which occupied the base in early 1950, months prior to the arrival of the bomb wing (McQueen, 2nd Air Base Group History, June 1951:9, MFR K0805, AFHRA). SAC inherited a crumbling World War II-era air installation and its primary concern was to stabilize the operations infrastructure (largely ignored since the end of the war), upgrade on-post living and working conditions, and finally to modify and renovate the operations facilities to handle two jet bomber wings. It was a breathtakingly massive undertaking, and replicated in dozens of World War II-era air installations in the US as SAC expanded and upgraded its air fleet and base installations in the 1950s. Work began in January 1950, almost a year before the 2nd Bomb Wing's aircraft arrived, with the renovation of the remaining World War II buildings, and the planning and construction of nosedocks, washracks, a perimeter fence, and a special weapons loading/training facility, Hardstand 13 (Figs. 2.16, 2.17, and 2.18) (MacDonald, CPT Earle F., 2nd Air Base Group History, May 1950:21, MFR K0805, AFHRA).

* Other installations in the Second Air Force included MacDill AFB in Tampa, Florida, Turner AFB in Albany, Georgia, and Ramey AFB in Puerto Rico (McQueen History 2nd ABG July 1951, MFR K0805, AFHRA).



Fig. 2.16 Runway repair work at Hunter AFB in August 1950. From the John Baker Collection, Mighty Eighth Air Force Museum.



Fig. 2.17 Laying the foundation at Hardstand 13, November 1950. From the John Baker Collection, Mighty Eighth Air Force Museum.

While the Air Force renovation went on, civilian flight operations continued until 30 September 1950, when the switch occurred. That day the 2nd Bomb Wing and its aircraft were transferred to Hunter AFB, while Municipal Airport operations switched to Chatham Field (Byrd et. al. 1998:61). The 2nd Bomb Wing began air, ground, and simulation training and operations at the installation upon its arrival, which continued uninterrupted throughout the development of flightline infrastructure and the construction of the new runway. Because SAC had stationed only one wing at Hunter AFB, the impacts of development on operations and maintenance were minimal (Fig. 2.19).



Fig. 2.18 Construction of Building 1237 at Hardstand 13, November 1950. From the John Baker Collection, Mighty Eighth Air Force Museum.

Initial SAC Development: 1950-51

In accordance with direction from higher headquarters, the installation Engineering Section and the Savannah District Corps of Engineers planned Hunter AFB's rehabilitation and expansion to support two SAC jet bomber wings. Utilizing a local architecture and engineering firm, Thomas and Hutton, Hunter AFB conducted surveys and began development of a master plan (McQueen, 2nd Air Base Group History, March 1951:29-30, MFR K0805, AFHRA).

Bureaucratic conflict between the installation and a micromanaging SAC headquarters delayed planning in mid-1951(McQueen, 2nd Air Base Group History, April and June 1951, MFR K0805, AFHRA). In spite of this, the installation consulted with planning boards and got local approval to install a much longer east-west runway, necessary for the jet bombers projected to be issued within a few years (McQueen 2nd Air Base Group History, March 1951:29-30, MFR K0805, AFHRA). Installation of the new runway remained contingent on the acquisition of 2800 acres of land stretching to the southwest to the Little Ogeechee River. Working in close cooperation with the city, the installation bought or condemned the property in 1950-51 (Maggioni 2004:64; McQueen, 2nd Air Base Group History, March 1951:29-30, MFR K0805, AFHRA). Construction on the runway commenced on 28 May 1951 (McQueen History of Hunter Air Force Base, May 1951, MFR K0805, AFHRA). Aircraft continued to use the old World War II northeast-southwest runway during construction (McQueen, 2nd Air Base Group History, April 1951, MFR K0805, AFHRA).

Concurrent with its work on the new runway, the installation also designed and built structures related to flight operations, including the current Building 1295, a crash/fire station, erected by the Jerome Construction Company of Savannah on the flightline in 1951 (McQueen, 2nd Air Base Group History, June 1951:15, MFR K0805, AFHRA). Unfortunately a more important operations facility took longer to complete.

The installation recognized by July 1951 that its World War II air tower, although having excellent lines of sight to all points of the old runways, had limited observation of the new runway. The installation required a tower at a new site to oversee the runway in its entirety. In spite of this safety issue, the construction of the tower was not completed until 1954* (Clemens 1953; McQueen, 2nd Air Base Group History, July 1951:24, MFR K0805, AFHRA).

Early SAC Maintenance Operations: 1950-53

SAC maintenance crews worked under very primitive conditions during the first few years at Hunter AFB. The old World War II hangars, too small for B-50s, were used primarily as maintenance shops, which remained largely unmodified for specialized shop work. Maintenance on components that could not be physically removed from the aircraft primarily occurred either on the open flightline, under portable canvas-covered maintenance stands on the flightline, or in nosedocks.

Ephemeral in nature (Hunter AFB went through about four types from 1950 to 1955), with only a bare amount of shelter offering protection over the aircraft wings, most maintenance occurred at these docks. The 2nd Air Base Group constructed nosedocks on Hunter AFB in 1950, prior to the arrival of the 2nd Bomb Wing in anticipation of handling the wing's B-50 aircraft. The nosedocks remained the "workhorse" maintenance facilities of Hunter AFB's flightline. This held true for every SAC base in the early 1950s before the double cantilever hangar build-out began in 1953 (Weitze 1999:62). The 2nd Bomb Wing docks were erected along the north parking apron and also between Buildings 1206 to the south and the municipal airport building to the north (Figs. 2.20 and 2.21).

Early maintenance-support improvements on the flightline included construction of concrete B-29 and B-50 washracks and the erection of temporary metal administration, shop, storage, and support buildings along the flightline, all of which have since been demolished. By late 1951 the installation had assembled a "portable maintenance hangar" for engine repair of B-29s and B-50s, and the installation submitted for approval plans to enclose the ends on Building 1290, so the building could be adapted for shop purposes (Meador, 2LT Harry E., 2nd Air Base Group History:25, MFR K0805, AFHRA).

SAC maintenance operations at Hunter AFB and other bases were heavily influenced by experience gained in World War II. The rapid wartime expansion of the US Army Air Forces (USAAF) created a shortage of experienced mechanics, which

> "…prompted a high degree of specialization: teams and functional groupings of maintenance personnel were established in a dock system where hangar crews accomplished scheduled inspections in accordance with jobs that were sequenced. For each task, people were trained solely

* The tower was located to the southwest of the parking apron. The Army mitigated the facility in 1999 and demolished it in 2003 after building a new, taller air traffic control tower.

> against that task. Workflow through the dock was carefully scheduled, and postdock maintenance was developed to clean up carryover work… The result, organizationally, was a mandated, highly structured organization to manage these specialized assets." (George et. al. 2004)

The evolution of this specialized, dock-based system set the stage for the post-war SAC maintenance system. In August 1945 the US Army Strategic Air Forces (forerunner to Strategic Air Command) published Regulation 65-1, Combat Maintenance Procedures. This publication established a decentralized maintenance section with a centralized wing Maintenance Control, and provided for specialized maintenance organizations (George et. al. 2004). This first SAC system established the air base group as the primary provider of specialized maintenance, but by 1950 SAC began to shift responsibility for this maintenance back to the flying units (wings).

Hunter AFB reorganized its tactical and base units along these lines in February 1951. The tactical squadrons of the wing conducted their own general maintenance, but the wing, as opposed to the 2nd Air Base Group, now controlled specialized maintenance organizations. Under the 2nd Bomb Wing, these consisted of the 4210th Armament and Electronics Maintenance Squadron (AEMS), the 2nd Field Maintenance Squadron (FMS), and the 4210th Organizational Maintenance Squadron (OMS).

The 4210th Armament and Electronics Maintenance Squadron (AEMS) worked on so-called "black box" aircraft components, removable technical instruments that aided the crew in bombing, navigation, and communication tasks. The kinks were evidently still getting worked out of the system as of July 1951. According to the 2nd Bomb Wing history the "[a]rmament and electronics equipment maintenance is definitely on the upswing as a result of improved coordination between squadron engineering people and personnel of the A & E Organization…" (Kenney, MAJ Robert M. [Kenney], 2nd Bomb Wing History, July 1951:15, MFR M0244, AFHRA)

The 2nd FMS supplied the major specialized maintenance needs for the wing's flying squadrons. A sampling from their March 1951 history illustrates various specialized jobs conducted by the FMS, including a general overhaul of a B-50, a modification of B-50 bomb bay tank, the repair of a leak on a B-50 fuel cell, replacement of a rudder, tech orders on sixty propellers, the replacement of 55 B-50, six B-25, and three KB-29 propellers, and the repair of twenty aircraft wheels. The FMS conducted work in the open on the flightline or in nosedocks. Shop and administrative space for the 2nd FMS was initially scattered in various buildings on the flightline and in temporary World War II wood structures across Lightning Road.

The 4210th Organizational Maintenance Squadron (OMS) conducted aircraft inspections to spot developing problems or maintenance errors. In March 1951 the 4210th OMS completed nine major and eighteen intermediate inspections on KB-29 and B-50D aircraft, and a major inspection on a C-124 (Wilhite, LTC Robert T., and S/SGT Arthur N. Chamberlin, 2nd Bomb Wing History, March 1951:21-23, MFR M0244, AFHRA). The 4210th OMS conducted work in the nosedocks.



Fig. 2.19 The 2nd Bomb Wing Maintenance area, circa 1951. From the John Baker Collection, Mighty Eighth Air Force Museum.

Wing Maintenance Control ostensibly supervised the wing's maintenance activities. However, it is evident supervision was initially loose and there was little guidance on how to organize a control system. The installation began developing a system of coordinating the work of a multitude of aircraft technicians from various maintenance squadrons and shops on the same aircraft. By December 1951 Maintenance Control came up with a new board system "for the purpose of indicating the work of each assigned specialist as he progresses from job to job. The 2nd Field Maintenance Squadron and the 4210th Armament and Electronics Squadron are thereby minimally controlled as far as specialist assignment is concerned." (Kenney, 2nd Bomb Wing History, December 1951:7, MFR M0244, AFHRA)

The 308th Bomb Wing Arrives: 1952

In April 1952 SAC transferred the 308th Bomb Wing from Topeka, Kansas, to Hunter AFB. The installation assigned the 308th to the east edge of the flightline for its maintenance operations, while the 2nd now operated along the north edge. Together the three units—the 2nd Air Base Group, the 2nd Bomb Wing, and the 308th Bomb Wing—formed the 38th Air Division).* The additional bomb wing compressed space on the flightline, and the 2nd Bomb Wing was forced to consolidate many of its squadrons and sections into single buildings. This turned out to be a blessing as this increased efficiency and coordination within and among the various squadrons (Kenney and T/SGT W. J. Hively [Kenney and Hively], 2nd Bomb Wing History, April 1952:1, MFR M0244, AFHRA).

* For a brief time the installation also supported the transport aircraft of the 3rd Strategic Support Squadron (Kenney and Hively, April 1952:10, MFR M0244, AFHRA).



Fig. 2.20 Nosedocks erected north of Building 1206 (right), circa 1951. From the John Baker Collection, Mighty Eighth Air Force Museum.



Fig. 2.21 Wood Castle Docks of the 2nd Bomb Wing arranged along the north edge of the parking apron. From the John Baker Collection, Mighty Eighth Air Force Museum.

Although segregated between the bomb wings, Aircraft maintenance continued as before, either in the open on the flightline or in nosedocks. The old World War II hangars on the north (for the 2nd) and east (for the 308th) edges of the apron, new temporary buildings on the east apron, and some older World War II buildings across Strachan Drive, held the maintenance shops.

The 2nd continued to train for global bombardment missions. On the other hand, the 308th was a new unit, not rated combat-ready, and lacked its full complement of aircraft for much of 1952. For a time the 308th became a conduit unit for Air Force personnel transferring to the Far East Air Force (FEAF) to serve in the Korean conflict, causing constant personnel turnover that adversely affected the 308th's combat readiness operations at Hunter AFB.

Perhaps the installation's most important contribution to initial Cold War operations was support of wing rotation missions, which for the 2nd and 308th Bomb Wings involved ninety-day deployments to North Africa and the United Kingdom. These exercises brought the bombers within range of their principal target—the Soviet Union—and offered practice at large-scale operations. The flightline acted as a staging area for these deployments. Maintenance personnel working along the flightline accompanied the bombers overseas to continue maintenance work.

Maintenance personnel also supported wing rotation by building, storing, maintaining, loading, and unloading flyaway kits. Flyaway kits enhanced SAC mobility by acting as an airborne base supply, with spare parts (including spare engines) and containers with essential supplies. Each squadron was responsible for its own flyaway kit, which could provide bare-bones maintenance and operational essentials for at least thirty days (Futrell 1961). At Hunter AFB flyaway kits were stored in temporary storage buildings and sheds, as well as in the old World War II hangars. Because of their importance to wing mobility flyaway kit assembly and storage became a primary activity along the flightline at Hunter AFB and other SAC bases in the 1950s (Fig. 2.22).

Hunter AFB Flightline Maintenance and New SAC Regulations: 1952-1953

Concurrent with the development of its installations and aircraft inventory, SAC improved its aircraft maintenance system in the early 1950s. SAC considered aircraft maintenance as a form of industrial production, and began applying scientifically developed mass-production techniques to its maintenance operations. In 1952-53 Hunter AFB participated in SAC-wide efforts to further standardize and streamline maintenance operations and played a key role in developing a comprehensive SAC maintenance system when it service-tested SAC manual 66-12A (Production Control for Specialized Maintenance) and 66-12B (Maintenance Quality Control) from April to July 1952 (Kenney and Hively, 2nd Bomb Wing History, April 1952:20, MFR M0244, AFHRA). Hunter AFB completely implemented 66-12 after July, finding that "[n]o further changes in the system are expected as the tests have proven acceptable for the production control methods of a medium bomb wing." (Green, CPT Albert B., and A/2C Idus B. Newby [Green and Newby], 2nd Bomb Wing History, July 1952:22, MFR M0244, AFHRA)

SAC Regulation 66-12 was designed to ensure "a functional aircraft maintenance organization within the wing/base organization" guaranteeing full use of personnel and facilities for "maximum availability of aircraft." This mandated organizational change

throughout SAC, marked the first formal move to Air Force centralized maintenance, and strengthened the position of wing Maintenance Control as primary agency responsible for centralized direction and control of wing maintenance efforts (George et. al. 2004). Other regulations implemented in 1953 further centralized supervision and strengthened wing Maintenance Control. In January 1953 the base implemented SAC Regulation 66-13, which instituted a system of maintaining aircraft status, which proved "adequate" and "very flexible." (Newby, A1/C Idus B. [Newby], 2nd Bomb Wing History, January 1953:22, MFR M0244, AFHRA) In March 1953 Maintenance Control began following SAC Regulation 66-14, which outlined reporting procedures and duties for maintenance section chiefs, shop foremen, line, dock, and flight crew chiefs (Newby , 2nd Bomb Wing History, March 1953:22, MFR M0244, AFHRA).

In addition to standardizing production control techniques for wing maintenance units, 66-12 tested the application of aircraft maintenance quality control. Wing quality control units inspected work conducted by other shops to ensure maintenance and engineering errors (called "discrepancies") were caught and kept to a minimum. Under the 66-12 test in July, 2nd Bomb Wing Quality Control conducted 61 flight tests, 28 periodic inspections, six flight line spot checks on armament and electronics work, inspected eight maintenance sections, and fifteen engine changes (Green and Newby, 2nd Bomb Wing History, July 1952:23, MFR M0244, AFHRA).

SAC regulations mostly covered general maintenance organization and operations. Specific maintenance procedures were not covered under the SAC regulations, leaving some room for installations and wings to tailor maintenance operations to their particular circumstances, in the form of base regulations or wing policy. As an example, in May 1953 the 308th issued a complete revision of all Wing Maintenance Policies (WMP). WMP 66-22, dated 13 May 1953, established an efficient flight testing system whereas all sections concerned were notified, and the specific duties of each section during a flight test are fully described. In the words of the official history, "Since this policy has been in effect it has proven very effective and many problems previously encountered have been corrected." Other new WMPs established official procedure for various sections of maintenance squadrons (Newberry, A1/C Jack W. [Newberry], 308th Bomb Wing History, May 1953:23-24, MFR N0284, AFHRA).

SAC Regulation 66-12 formally established three maintenance production squadrons: field maintenance, periodic maintenance (replacing organizational maintenance), and electronic maintenance, while retaining general maintenance sections within the flight squadrons (George et. al. 2004). By August 1952 at Hunter AFB the wing maintenance squadrons solidified as:

- Wing Flight Squadron (one tanker and three bomber squadrons per wing)
- Wing Armament and Electronics Squadron: 158 authorized personnel
- Wing Field Maintenance Squadron: 228 authorized personnel
- Wing Periodic Maintenance Squadron: 95 personnel

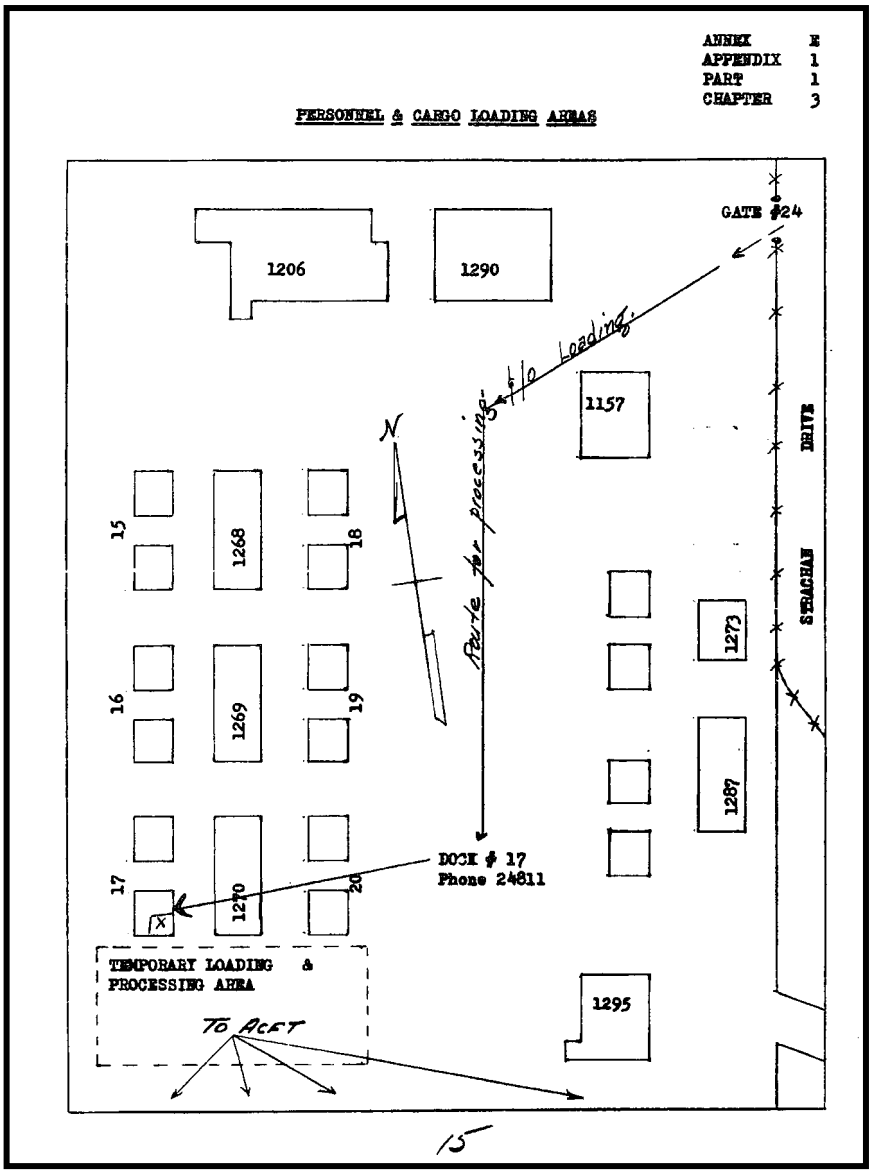


Fig. 2.22 Map showing flyaway kit loading plan for the 308th Bomb Wing, December 1955. Note the temporary nosedocks and shops to the south of Building 1206. Map from Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA.

Flight Squadron Maintenance

Bomb Squadron Maintenance sections were authorized 58 men for fifteen aircraft. Squadron Maintenance sections during this time conducted routine maintenance, changed engines and master controls, and conducted all postflight inspections of aircraft. For more specialized maintenance, job orders were placed with the wing FMS or AEMS (Davis, A/1C James T. 308th PMS History December 1952 from Newberry December 1952; Ford, S/SGT Richard C. [Ford], 373rd Bomb Squadron History, April 1953, From Newberry, 308th Bomb Wing History 1-30 April 1953; Humphrey, A/2C Edward K. [Humphrey], 373rd Bomb Squadron History, December 1952, from Newberry, 308th Bomb Wing History, December 1952; and Whitefield, 1LT William F., 374th Bomb Squadron History, December 1952 from Newbery, December 1952, MFR N0284,

AFHRA). A report by the 373rd Bomb Squadron shows activities of a typical month in 1952 for flight squadron maintenance sections:

> "We are still missing several special tools used daily for trouble shooting and engine conditioning. The required number of crew chief stands are still not available… Besides routine maintenance, we had two engine changes and one master control change for the month. Three ships went to the periodic docks… There were an average of 43 mechanics and supervisors present for duty during the month." (Nunn, 2LT Dean L. [Nunn], 373d Bomb Squadron History, from Hubatch, A1/C Douglas F. [Hubatch], 308th Bomb Wing History, October 1952, MFR N0284, AFHRA)

Squadron maintenance sections physically consolidated operation and administration space during this period. For instance, the 373rd's supply section moving from Building 126, a World War II wood building north of the 2nd Bomb Wing operations area, to a maintenance dock, making supply operations to maintenance crews much more convenient (Nunn, 373d Bomb Wing History, from Hubatch, 308th Bomb Wing History, October 1952, MFR N0284, AFHRA).

The new regulations instituted in 1952-1953 decreased technical work for the flight squadrons. Earlier in the year, much of the specialized maintenance was being conducted by flight squadron ground crews, but later in the year, with implementation of the new regulations, specialist personnel were transferred from the flight squadrons to the FMS (Humphrey, 373rd Bomb Squadron History, December 1952, from Newberry, 308th Bomb Wing History, December 1952, MFR N0284, AFHRA).

However, new regulations also increased the inspection workload for the flight squadron maintenance sections with the implementation of an intense and highly thorough post-flight inspection program in April 1953. The new rules instituted a Post-Flight Chief and a separate post-flight team, stationed in its own nosedock—the 374th's Post-Flight team had Maintenance Stand #19 (Parker, 1LT Charles W., 374th Bomb Squadron History, April 1953, from Newbery, 308th Bomb Wing History, April 1953, MFR N0284, AFHRA.) During a typical month, the 373rd Bomb Squadron performed seven full post flight inspections under the new system and seven 25% inspections, with Quality Control checking each 25% inspection. Several Technical Orders for other shops were also completed (Ford, 373rd Bomb Squadron History, April 1953, from Newberry, 308th Bomb Wing History, April 1953, MFR N0284, AFHRA).

The Armaments and Electronics Maintenance Squadron

By late 1952 the 2nd AEMS operated primarily from Building 811 while the 308th AEMS was based out of Building 1206. With the implementation of 66-12 the AEMS was broken down into specialized administrative offices and nine separate shops:

- Shop Stock: Assigned tools and supplies to other shops.
- Flight Line/ Bomb Sight/Autopilot: Worked on bomb sights and the C-1 autopilot, used in B-29s. In October this shop completed 174 post-flight and pre-flight work orders, in addition to completing thirteen inspections.
- Bomb Release Shop
- Flight Line Turret Shop: Supported ten post and preflights, equal amount of preventitive maintenance each day
- Bomb Navigation Line Maintenance: Primarily worked on aircraft radar systems.
- Camera Repair: Installed, removed, and inspected aircraft cameras.
- Line Radio Section: Repaired and maintained radio equipment.
- Periodic Maintenance: This shop supported the 308th PMS during periodic inspections.
- Field Maintenance: Further divided into multiple specialized sections, such as radar, small arms, and electronic counter-measures (ECM). (Bennett 308th AES from Hubatch October 1952)

Under 66-12, in October 1952, the 308th AEMS underwent numerous changes for a more efficient operation. Operating a new shop stock system, they permanently assigned test equipment to their field, line, and periodic maintenance shops, and used a new status board system (Bennett, 1LT Val G. [Bennett], 308th AEMS History, from Hubatch, October 1952, MFR N0284, AFHRA). Continuing to implement 66-12, in January 1953, the 308th AEMS instituted a new manner of recording aircraft inspections, in such a way that noted discrepancies could be charged to specific mechanics. This allowed the AEMS maintenance supervision office to check work quality. The Periodic Maintenance section of the 308th AEMS, which assisted the 308th PMS in black box work, moved to the docks to afford the OIC and the NCOIC better control over AEMS periodic maintenance inspections. If the AEMS Periodic Maintenance section could not get its work done in time during an aircraft's scheduled dock time, the aircraft was sent back to the flight line for troubleshooting maintenance (Bennett, 308th AEMS History, October 1952, from Hubatch, October 1952, MFR N0284, AFHRA).

The Field Maintenance Squadron

The 2nd and 308th FMS were greatly affected by 66-12 and the implementation of Base Regulation 20-1, dated 7 November 1952, totally revising organizational and functional charts of all sections and shops. Both bomb wings' FMS were organized into twelve different sections and shops:

- Electric Shop
- Propeller Shop
- Ancillary Equipment Section
- Air Frame Section
- Hydraulic Shop
- Instrument Shop

- Power Plant Branch
- Machine Shop
- Sheet Metal Shop
- Parachute Shop
- Woodmill
- Paint and Dope Shop

Prior to completion of the double cantilever aircraft hangars in 1954-1955, the FMS shops were scattered over several buildings, including nosedocks and many World War II structures in the 1200 area.

The type and intensity of work for FMS shops during this time period can be gleaned from the 308th FMS history for November 1952. The Electrical shop had an average of eighteen Specialist Job Order Requests (SJOs) per day from Specialist Dispatch, with the biggest work loads being for electrical specialists for dock inspections, with the section working "overtime on many occasions in order to complete inspections set up by Maintenance Control." The Power Plant Branch maintained the engine build-up line, and prepared eighteen fly-away engines, completed three turbo changes, four engine changes, two cylinder changes, six master control changes, and built up four engines. The Sheet Metal Shop completed seventy SJOs in assisting the 308th PMS in its dock inspections. The Parachute Shop fabricated various cloth items such as dust covers, wind socks, flags, aviator bags, and toolkits, including spending over 1400 man hours on aircraft fabric repair and parachute and life raft maintenance (Burchfield, S/SGT, 308th FMS History, November 1952, from Hubatch, November 1952, MFR N0284, AFHRA).

The Periodical Maintenance Squadron

Under 66-12 the PMS primarily took over inspection duties from the OMS and implemented a more effective pre-planned inspection system (Norton, A/2C Robert E., 308th PMS History, January 1953, from Newberry, 308th Bomb Wing History, January 1953, MFR N0284, AFHRA). Within the space of six months, from October 1952 to March 1953, the 308th PMS infrastructure increased from one to three nosedocks, the PMS production, which was often tedious work (one and two hundred hour comprehensive inspections on B-29s) (Long, A/1C Paul R. [Long], 308th PMS History, October 1952, from Hubatch, October 1952; Crutchfield, M/Sgt. James R., 308th PMS History, March 1953, from Newberry 308th Bomb Wing History March 1953, MFR N0284, AFHRA). In an example of further physical consolidation of units on the flightline, the orderly room for the 308th PMS was also moved up to the flight line adjacent to the PMS docks and maintenance stands (probably in a temporary metal building) to be closer to the majority of its personnel, more convenient because of its proximity (Long, 308th PMS History, October 1952, from Hubatch, October 1952, MFR N0284, AFHRA).



Figure 2.23 Building 850 under construction, circa 1953. From the National Archives.

Construction at Hunter AFB and on the Flightline: 1952-53

Much effort was devoted at Hunter AFB in 1952 and 1953 to building housing. By late 1952 both the new pinwheel barracks for single airmen and the Wherry family housing units were under construction (Newby, 2nd Bomb Wing History, January 1953:29, MFR M0244, AFHRA). The first of the pinwheel barracks was scheduled for completion by July 1953, while the Wherry housing was also completed around that time (Tanner, 2LT Ernest G., and S/SGT Robert R. Hagan, 38th Air Division and 804th Air Base Group History, April 1953:21, AFHRA).

In 1952 SAC completed the primary east-west runway and began laying five taxiways, which were completed in 1953. Also in 1952-1953, the installation installed asphaltic concrete hardstand to connect the east parking apron to the north parking apron, and a parking/loading area to the southeast of the main apron. In 1953 the installation commenced the build-out of the north, west, and south parking aprons. This involved pouring fifteen-inch Portland concrete in the area encompassed by the old World War II runways, converting the old runways into a massive aircraft parking area. Hunter AFB also poured thirteen-inch concrete to support the projected double cantilever hangars. These projects lasted until 1956 (US Army Engineer Waterways Experiment Station 1960). The completion of the jet runway in 1952 and the subsequent construction of the parking apron from 1953 through 1956 provided Hunter AFB with the necessary hardstand to support flight operations for two jet bomber wings.

In mid-1953 the installation addressed its lack of permanent aircraft maintenance space, beginning construction on a double cantilever hangar (Building 850, see Volume I, Section 6). The hangar had originally been planned for FY 52. However, a squabble with SAC headquarters on the hangar's siting in 1951-52, and probably other factors, had delayed construction for about a year.

SAC headquarters wanted the facility sited on the northwest corner of the north parking apron, while Hunter AFB argued to place the hangar in a more central location for both planned bomb wings. The installation argued that the northeast location made more sense, as it was between maintenance areas of both bomb wings, which operated out of previously constructed facilities. Hunter AFB won out in the end and the hangar was built on the northeast corner of the apron (McQueen, 2nd Air Base Group History, April 1951:20-21, 27, MFR K0805, AFHRA). With construction starting in June 1953, completion was slated for May 1954 (Fig. 2.23) (Hively, 2nd Bomb Wing History, June 1953:26-27, MFR M0244, AFHRA).

At first the installation envisioned both wings sharing a single hangar, but by 1953 Hunter AFB planned for a second hangar sited to the south of Building 850 (Thomas and Hutton Hunter AFB Master Plan 1953). This hangar, Building 860, was constructed in 1954-55.

Hunter AFB was scheduled to receive its new B-47 jet bombers in January 1954. Although neither double cantilever hangar had been completed, by December 1953, Hunter AFB had mostly completed the minimal facilities to handle B-47 operations: a 10,500-foot runway, a Munitions Storage Area (MSA) with JATO* bottle bunkers, partial reinforcement and expansion of the aircraft parking apron, and most of the new fueling and fuel storage system. Hunter AFB did lack quality maintenance facilities for the B-47s and KC-97s. There were no enclosed hangars for general aircraft maintenance. Shop space was still primitively housed in largely unmodified World War II-era hangars, although the planning and construction of two double cantilever hangars for 1954-55 would take care of the installation's lack of completely enclosed hangar space. Until the hangars came on-line, the nosedocks remained the only sheltered maintenance space.

The B-47 Arrives at Hunter AFB: 1954

Beginning in January 1954 SAC gradually issued the B-47s to Hunter AFB. At the end of January all bomb squadrons had received four or five B-47s a piece, about one-third of their total complement. By February "[t]he shrill piercing whine of the B-47 jet engine and the deafening roar of the big bird on its take-off roll have become ordinary work-a-day sounds at Hunter Air Force Base." (Atkinson, S/SGT Carl A. [Atkinson], 308th Bomb Wing History, February 1954:14, MFR N0286, AFHRA) Hunter AFB's bomb wings spent much of early 1954 continuing aircrew instruction on flying the new

* JATO stands for Jet-Assisted Take Off. These were jet boosters used underneath the wings of jet bombers to assist take-off (Maggioni 2004:84).

jet aircraft. Later in the year both wings received their full complement of aircraft, forty-five B-47 bombers (divided into three bomb squadrons) and twenty-two KC-97 tankers.

Hunter AFB worked to streamline future B-47 and KC-97 operations by updating policies and standard operating procedures. These changes covered everything from individual aircrew duties to the pre-flight inspection procedure (Operations Memorandums, from Sonovich, S/SGT John [Sonovich], 308th Bomb Wing History, January 1954, MFR N0286, AFHRA). For instance, during conversion from B-29 to B-47, "the duties of the crew chiefs and assistants prior to and during the periodic inspection of their aircraft were not firm." The 308th issued a revised Wing Maintenance Policy to incorporate the new duties of the crew chief and his assistant when taking aircraft through periodic maintenance docks (Sonovich, 308th Bomb Wing History, January 1954:28, MFR N0286, AFHRA).

The introduction of B-47s necessitated some revision of Hunter AFB's current maintenance system. The revision was accomplished with assistance from Second Air Force headquarters beginning in February 1954, introducing a standard aircraft maintenance planning and scheduling procedure (Atkinson, 308th Bomb Wing History, February 1954:32, MFR N0286, AFHRA).

In addition to updating maintenance policy and procedure (yet again!) the maintenance crews, accustomed to working on B-29s and B-50s, had to be retrained as well. In fact, personnel for all specializations, from the lowliest mechanic to aircraft commander, required intensive retraining for the transition to B-47s. SAC sent Hunter AFB flight crews to McConnell AFB in Kansas for initial flight training on the B-47. The B-47s had more electronic components than the prop-driven bombers, so Hunter AFB sent its technicians to various schools at AFBs across the country for specialized maintenance training. For instance, as early as January 1953 the 308th AEMS sent personnel to Lowry Field, Colorado to be instructed on the B-47 bombing/navigation instruments, known as K-System (Bennett, 308th AEMS History, January 1953, from Newberry, January 1953, MFR N0284, AFHRA).

The B-47 Mobile Training Detachment provided on-site B-47 maintenance training for the flightline mechanics (Sonovich, 308th Bomb Wing History, January 1954:14-17, 26, MFR N0286, AFHRA). The wing also provided courses for training its armament and electronics shop mechanics on the new bombing, navigation, and auxiliary power systems on the new jets. Instructors from General Electric, United Aircraft, and the Boeing Corporation also visited the base to instruct mechanics on control systems, landing gear, airframe repair, electrical system, engine, and propeller maintenance for the B-47 and KC-97s (January Master Ground Training Schedule, from Sonovich, 308th Bomb Wing History, January 1954, MFR N0286, AFHRA).

Hunter AFB's Roles in the SAC Mission: 1954-1957

In the mid and late 1950s SAC was the centerpiece of early American Cold War strategy: the deterrence of Communist aggression through the promise of massive nuclear and thermonuclear retaliation, delivered by jet bombers. General Curtis LeMay, SAC's pugnacious commander from 1948 to 1957, instilled in his command a necessary aggressive edge, honed by a constant cycle of ground and in-flight training for the unthinkable.

The 2nd and 308th Bomb Wings were an integral part of SAC during this period and participated in exercises supporting overall American Cold War policy. This meant both wings had the capacity and expertise to precisely deliver nuclear and thermonuclear weapons to Soviet targets. SAC installations at this time did not have these "special weapons" permanently stored at its air bases. The government stored the weapons in special MSA's called "Q Areas" at four National Storage Sites (NSS) and, multiple Operational Storage Sites (OSS), all adjacent to Air Force air bases. Nuclear and Thermonuclear weapons operations at Hunter AFB are still classified. However SAC used at least two methods of nuclear and thermonuclear weapon deployment from its OSS and NSS in the early and mid 1950s, and the installation certainly participated in both types.

The first involved MATS (Material Air Transport Service) aircraft loading the weapons at the NSS or OSS and ferrying them to the air base for temporary storage for exercises and missions. A structure built west of Building 1252 (since demolished, see Figs. 2.24 and 2.25) may have been used for this purpose on the installation (Maggioni 2004:71).

Another early special weapon deployment method involved the wings flying to the NSS or OSS to pick up the weapons, prior to flying missions. An operation of this type called Top Hat/Fly Right occurred seven months after the 38th Air Division received its new B-47s. The operation successfully put into practice all phases of the Division's special weapons training, and called for 2nd and 308th Bomb Wing B-47s to fly to Campbell AFB, Tennessee (the site of the Clarksville NSS), load special weapons, and proceed to a refueling operation off the North Carolina coast. Top Hat/Fly Right was a significant event for Hunter AFB, marking the 38th Air Division as a fully combat-ready and nuclear-capable jet bomber unit (Maggioni 2004:86).

Although Hunter AFB did not have an adjacent Q Area, the installation did have Hardstand 13, a Special Weapons Training Area. Partially designed by SAC Headquarters at Offutt AFB, Nebraska, Hardstand 13 was built by the Jerome Construction Company of Savannah as one of the first new SAC buildings at Hunter AFB (Figs. 2.18 and 2.26). The Army demolished Hardstand 13 in the 1980s and it is currently the site of the Building 1336 motorpool.

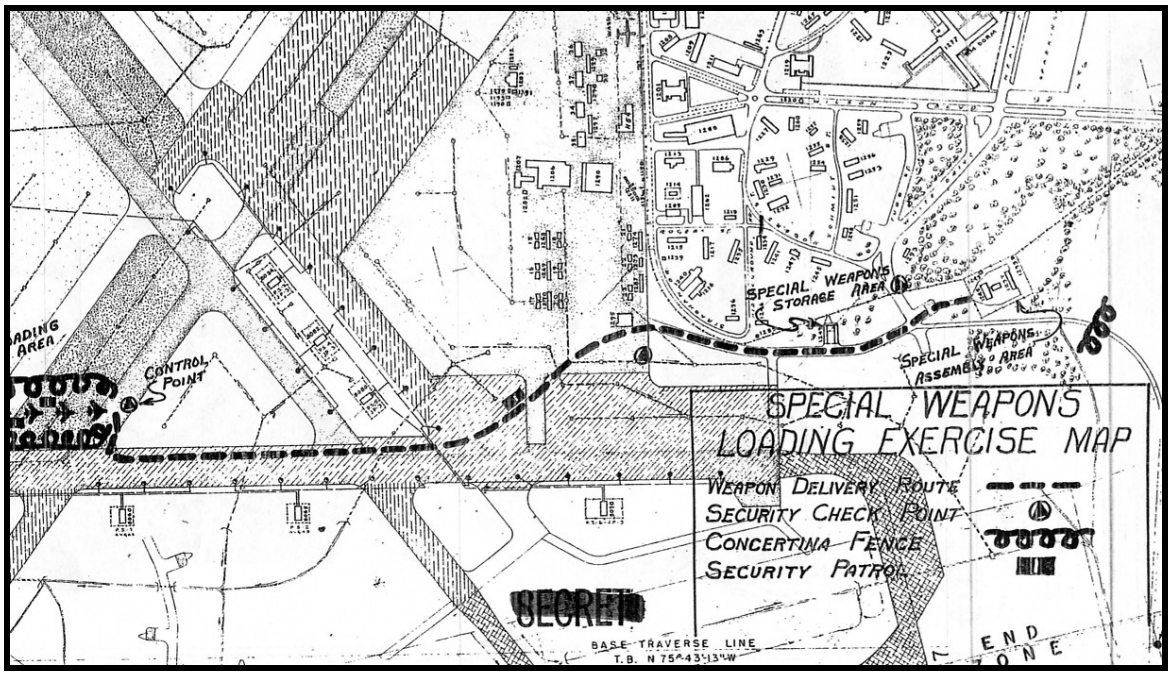


Fig. 2.24 An April 1954 map showing the special weapons storage building and Hardstand 13 (labeled "Special Weapons Assembly Area"). From Atkinson, 308th Bomb Wing History, April 1954, AFHRA.



Fig. 2.25 View from Building 1252 (visible at left) towards the former site of the temporary special weapons storage building, on the right of the photograph across Lightning Road. Photograph by David Diener, FMR, Volume II, Section 15.



Fig. 2.26 Hardstand 13's entrance gate, December 1950. From the John Baker Collection, Mighty Eighth Air Force Museum.

The 2nd Bomb Wing personnel trained on nuclear weapon mock-ups at Hardstand 13 from the December 1950 (for training on the much more powerful thermonuclear weapons, the installation sent its munitions personnel to Lowry AFB, Colorado) (Maggioni 2004:72). Training at Hardstand 13 assisted the 2nd Bomb Wing in attaining combat-ready nuclear capable status on their B-50s by 1951-52. 308th Bomb Wing personnel began training at Hardstand 13 by 1953.

Hardstand 13 also had a role in directing special weapons operations at Hunter AFB. Although Hardstand 13 was set about 1600 feet from the Flightline, it was connected by Strachan (Lightning) Road. Early practice special weapons operations involved towing dummy atomic weapons from Hardstand 13 and loading them on waiting aircraft parked on the on the parking apron or runways (Fig. 2.24).

In addition to technical training on special weapons, Hunter AFB aircrew had to sharply hone their flight skills in 1954-55 because of new aircraft and changing doctrine. The introduction of the B-47 revolutionized bomber tactics. Unlike B-29s and B-50s, jet bombers did not have to rely on group formation flying--instead, speed and maneuverability became its greatest defense. With the B-47, bomber tactics now involved individual aircraft invading enemy airspace timed to confuse air defenses, and to hit as many targets as soon as possible. This required much more skill than the average World War II bomber crew possessed. With the coming of the jet bomber, Hunter AFB and other installations carried out much more intense air crew training, including both simulator and practice missions (Fig. 2.27) (Maggioni 2004:85).

Both bomb wings continued overseas wing rotations, necessitated by the relatively short range of the B-47 and a shortage of tankers. Although B-47 units

stationed north of forty degrees latitude could make a bomb run to the Soviet Union, southern installations like Hunter AFB had to be supported by extensive air refueling support. It was easier to temporarily station units closer to the Soviet Union in North Africa, where bases were protected from a Soviet offensive by the Mediterranean and could also threaten the right flank of just such an attack. From 1953 to 1956 both bomb wings had been on rotation to Nouaesseur and Sidi Slimaine at least twice (Maggioni 2004:86).

Hunter AFB also took part in SAC alerts, which initially aimed at evacuating as many aircraft as possible in case of Soviet air attack. Upon direction of SAC headquarters, Hunter AFB and other SAC installations called occasional practice alerts. In the words of one SAC veteran of the 2nd FMS,

> "…[I]t was not uncommon for them to all of a sudden blow the whistle and place the base on alert as practice… [SAC Headquarters or Second Air Force would bring] an inspection with them, they evaluated everybody as to what their job was and to how well it was carried off… [W]e had mass alerts where we'd fly everything off the base... and could clean this base completely of aircraft in approximately six hours." (Wilson 2003)

Alerts gradually evolved into an offensive exercise because of the intercontinental ballistic missile (ICBM). Although neither the Soviets nor the West had ICBMs, SAC planners realized it was only a matter of time before the capability was developed. Once the enemy had functioning ICBMs, SAC aircraft would only have thirty minutes' warning prior to an ICBM strike (Maggioni 2004:90).

In 1955-1956 SAC developed the one-third ground alert concept, envisioning a third of SAC aircraft on full alert and war configuration, ready to take off within fifteen to thirty minutes. SAC chose Hunter AFB for Operation Try Out, which tested the concept. Under Try Out, from November 1956 to March 1957 the installation was placed on one-third alert (Maggioni 2004:93). The stress on both air crews and supporting maintenance personnel was enormous. Doug Wilson, an airman with the 2nd FMS, recalls, "…[W]e didn't go off the flightline for three months. I slept on mattresses brought in from the barracks on the hangar deck. The messhall brought bag lunches… and we lived and worked right out of the hangar [Building 850]…" (Wilson 2003) A munitions squadron veteran recalls, "…[T]hey moved us up… where the current fire station is up there [Building 1295], and we stayed… in tents… we would load the nuclear weapons, the small arms ammunition, and sometimes JATO bottles…" (Kerr 2002)

These preliminary ground alert operations at Hunter AFB highlighted facility, organizational, operational, materiel, and personnel problems inherent within the alert concept. Hunter AFB could only launch its first alert aircraft in fifteen minutes, not the hoped-for seven minutes. However this initial test proved the concept entirely feasible. By October 1957 SAC began implementing the ground alert concept on all of its installations in response to the launching of Sputnik, the first man-made satellite, which demonstrated the much-feared Soviet ICBM capability (Maggioni 2004:95-97).



Fig. 2.27 A postcard view showing B-47s on the Hunter AFB parking apron. Note the MPs with guard dogs. Courtesy US Army.

Under Try Out, Hunter AFB played a crucial role in testing the ground alert concept, which was the first SAC doctrinal response to the Soviet ICBM threat. Although the importance of bomber ground alert declined as SAC's ICBM fleet came online in the early and mid 1960s, its bomber fleet continued to use the same alert concepts originally tested at Hunter AFB up to the end of the Cold War.

The Flightline Maintenance System: 1954-1956

From 1954 to 1956, construction of maintenance facilities continued apace with training and practice missions. The installation had completed both double cantilever hangars (Buildings 850 and 860) and had heavily renovated World War II-era buildings to accommodate shop, administration, and maintenance space on the Flightline. Upon their completion the two double cantilever hangars marked the dividing line between the wings' respective maintenance operations, which "afford[ed] good control of maintenance operations," according to the 1960 Hunter AFB Master Plan (Thomas and Hutton 1960). In 1955-56 Hunter AFB replaced its old B-47 nosedocks with fully-enclosed metal nosedocks designed by the Industrial Machine and Tool Company. Buildings 834, 843, 844, and 845 are the last remnants of these nosedocks (see Volume I, Section 8). With the improvement in existing buildings, the construction of new facilities, the replacement of prop aircraft with jet bombers, and the implementation of standardized SAC maintenance procedures, the Hunter AFB flightline and its maintenance system had reached full maturity.

SAC required its bomb wings to fly a set number of sorties (individual aircraft flights) per month, requiring a certain projected number of maintenance and inspection hours. In December 1955, a typical month, 308th Bomb Wing maintenance personnel supported 180 B-47 sorties (Batjer, COL John F. [Batjer], Maintenance Plan and Schedule, 308th AEMS, from Howe, M/SGT Andrew B. [Howe], 308th Bomb Wing

History, December 1955, MFR N0290, AFHRA). Of these, the 373rd Bomb Squadron provided 62 sorties for a total of 351 hours of flight time. Because each aircraft had to undergo a preflight inspection prior to takeoff, the 373rd required 62 preflight inspections and 21 postflight inpections (Batjer, Maintenance Plan and Schedule, 373rd Bomb Squadron, from Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA).

The wing's flight squadron maintenance sections worked on the open flightline and out of the nosedocks lining the north and east edges of the parking apron, performing pre-flight inspections and general maintenance. Preflight inspections were conducted by squadron maintenance and aircrews. In addition to pre-flights, Maintenance Control scheduled approximately one third of a squadron's aircraft to undergo post-flight inspections conducted by the PMS (Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA). Each month Maintenance Control would also assign three or four of a squadron's aircraft for comprehensive periodic inspections by the wing PMS.

The PMS looked for both developing maintenance problems and maintenance errors or "discrepancies" during their comprehensive inspections, which lasted twenty days for B-47s. For a periodic inspection the B-47s spent eight days in-dock, with the other twelve days taken up with forms checks, pre-dock meetings, washrack cleaning, and a test flight prior to its return to the tactical squadron (Wing Maintenance Policy #66-9, 4 January 1954, from Sonovich, 308th Bomb Wing History, January 1954, MFR N0286, AFHRA). Because periodic inspections lasted much longer than other aircraft inspections, bomb wings eventually assigned three specific nosedocks to their PMS to handle periodic inspections (Fig. 2.28).

For specialized maintenance needs the flight squadron or the PMS would call in job orders to wing Maintenance Control, which, for the 2nd Bomb Wing, operated out of Building 811 and for the 308th Bomb Wing, from Building 1290. Maintenance Control, using plexiglass aircraft status boards, carefully controlled and coordinated all work on aircraft, and would then assign jobs to either the wing FMS or AEMS (Maggioni 2004:89) (Fig. 2.29).

The FMS contained the specialized mechanical shops for the highly technical B-47s and KC-97s and specialized in major engineering, electrical, and mechanical work. In December 1955 the FMS had thirteen different shops: Jet Engine, Instrument, Fuel Systems, Wheel and Tire, Hydraulic, IFR, Aero Repair, Electric, Machine, Paint, Welding, Parachute, and Sheet Metal (Batjer, Maintenance Plan and Schedule, 308th FMS, from Howe 308th Bomb Wing December 1955, MFR N0290, AFHRA). The FMS had more personnel than any other squadron in the wing, in order to support its multiplicity of specialized shops.*

* Strengths of the units varied depending on availability of personnel. As an example of typical unit strengths, in April 1956 the 308th AEMS had 337 men and 13 officers, the 308th FMS had 417 men and 8 officers, and the 308th PMS had 106 men and three officers (Batjer, Wing Operations and Maintenance Plan, from Howe, 308th Bomb Wing History, April 1956, MFR N0290, AFHRA). The maintenance units were heavy on enlisted personnel, as opposed to the flight squadrons of which nearly half were officers.



Fig. 2.28 A May 2005 view of the former 2nd Bomb Wing nosedocks. The 2nd Bomb Wing's Flight squadrons and PMS conducted inspections and maintenance at these facilities. Photograph by David Diener, FMR, Volume II, Section 15.

The FMS for both wings operated from the new double cantilever hangars, with the 2nd FMS in Building 850 and the 308th FMS in Building 860 (Fig. 2.30). Work on aircraft would occur inside the hangars or on the flightline, unless a mechanical component needed such extensive work that it needed to be removed to a shop. Depending on facility requirements, some shops in the FMS were housed away from the double cantilever hangars. For instance, the 2nd FMS Engine Shop was located in Building 813 and the 308th FMS Engine Shop in Building 1206.

The AEMS primarily conducted work in their shop buildings on equipment removed from aircraft. However, AEMS also kept a line crew in the building to respond to service calls from hangars, nosedocks, or the flightline for in-place inspections and repairs, or to remove equipment for later servicing ("Planning Buildings for the US Air Force," Architectural Record, 1952). According to Jack Burr, a 308th AEMS airman, the worst jobs he had at Hunter AFB involved technical work on the open flightline, "When it was icy cold, and I had to get up and work on the flightline, and I had to get up on one of those aluminum aircraft… and replace an HF antenna [which] was a wire strung between the tail of the aircraft to just below the copilot's seat…" (Burr 2002)

By 1955-56 the AEMS had six shops: Bombardment/Navigation (primarily working on the B-47's K-System), A-5, Bomb Release, Camera, and Auto-Pilot shops (Batjer, Maintenance Plan and Schedule, 308th AEMS, from Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA). As an example of a typical monthly workload, in December 1955, the 308th AEMS accomplished 180 pre-flight inspections, assisted the 308th PMS in 56 post-flight inspections, and conducted a periodic inspection. The main shop building for the 2nd AEMS was out of Building 811, while the 308th's at this time was Building 1290 (Figs. 2.31 and 2.32).



Figure 2.29 Building 811 (left) housed 2nd Bomb Wing Maintenance Control, which supervised all wing maintenance operations, including those in Building 850 (center) and the nosedocks (Building 845, right). A May 2005 Photo by David Diener, from the FMR, Volume II, Section 15.

For specialists, work on the flightline could involve a considerable amount of travel between nosedocks, aircraft parked on the apron, and their shops. A flightline "taxi service" had been initiated in mid-1953, using military trucks or civilian-type automobiles. Some airmen also used motor scooters to get them around on the flightline (Clear, S/SGT. 308th FMS, from Watson, T/SGT Curtis H., 308th Bomb Wing History, June 1953, MFR N0284, AFHRA; Wilson 2003). After work was completed on the aircraft, it was then inspected by wing Quality Control, which checked for maintenance discrepancies. Doug Wilson of the 2nd FMS recalls the way the system worked in 1955-1956:

> "When… there was a broken aircraft… [t]hey called… Maintenance Control… upstairs in [Building 813], that's [also] where the [Quality Control] people were at… You called them when you needed Quality Control to come out there and inspect an airplane. But you called the work order in to Maintenance Control.
>
> "The way that would develop is… if the problem came up, the crew chief would… get a hold of his maintenance truck, which they had a roaming flightline truck, they would call on the [truck's] radio to Maintenance Control and say, 'I've got a Number Two generator doesn't work.' Maintenance Control would call down, they would look at… a large plexiglass board that had all the aircraft and the status of each aircraft. And they scheduled you in to work on that airplane, based on what was wrong with it.

"So they would give us a work order. They'd call our Maintenance Control in the maintenance hangar. The hangar would write a work order, which was a small form, multiple copy. They would write up the discrepancy. They would call the shop. The shop would come by and pick up the work order and assign people and they would have 'x' time to fix the aircraft. If you couldn't fix it in that amount of time, you had to get over to the maintenance truck and say, 'Look, I need an hour extension,' or a two hour extension, because they would schedule somebody right in on top of you.

"Now the bombers didn't have enough room for more than a couple of people to work, depending on what you were working at. Especially in the cockpit areas. So if there was anything to do in the cockpit areas, it—you had to get that maintenance coordinated. That alone was a large job because it went off like clockwork. I mean, you know, if you were out there working and you didn't finish your job and you didn't call in, and another guy come in to work an area, you had to get out. Because that was his time schedule to work…." (Wilson 2003)

To assist maintenance personnel SAC pressed for standardization of maintenance solutions through a series of constantly evolving Technical Orders, or TO's. TO's gave maintenance personnel standard solutions to various technical problems encountered with B-47s and KC-97s. SAC urged maintenance personnel to study TO's: "We can sometimes attain the desired results by the 'this is the way we've been doing it' method, but when we ignore TO procedure and run into a snag in a so called routine maintenance job then we are in a sweat… So let's make TO familiarization a 'routine' part of our job." (308th Bomb Wing Maintenance Tips Volume I Issue 13:5, from Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA)

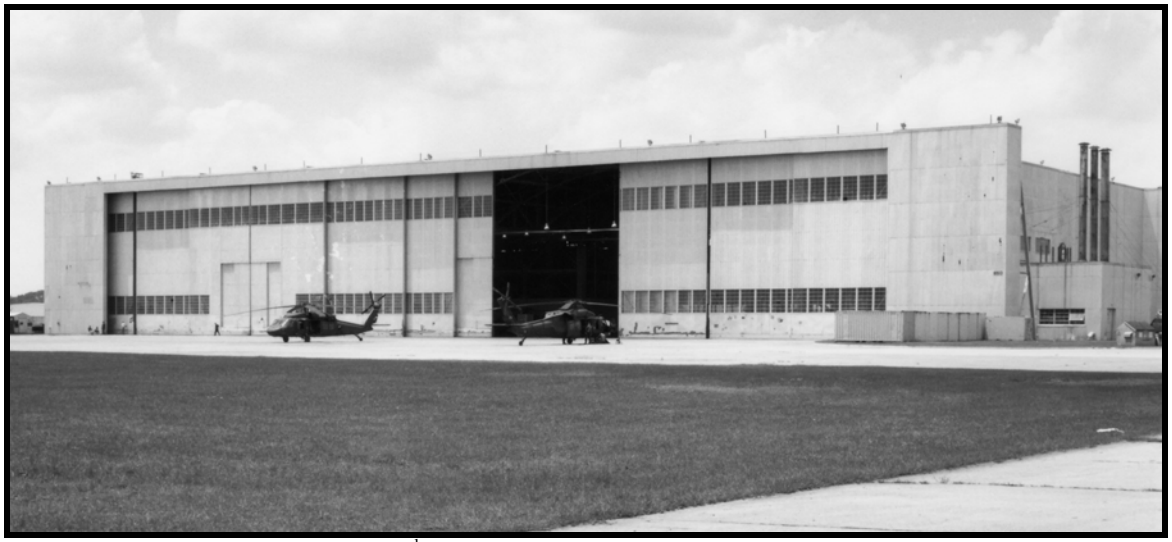


Fig. 2.30 Building 850 housed the 2nd Field Maintenance Squadron shops and maintenance space. A May 2005 photo by David Diener, from the FMR, Volume II, Section 15.



Fig. 2.31 Both the 2nd AEMS and the 2nd Bomb Wing Maintenance Control operated from Building 811, seen here in a May 2005 view. Photo by David Diener, from the FMR, Volume II, Section 15.



Fig. 2.32 Building 1206 (right) housed the 308th AEMS upon the arrival of the 308th Bomb Wing in early 1952. The 308th AEMS later moved to Building 1290 (left) leaving Building 1206 as the engine shop for the 308th FMS. From a May 2005 photo by David Diener, FMR, Volume II, Section 15.

The bomb wings also worked to enhance their maintenance systems. For instance, the 308th published "308th Bomb Wing Maintenance Tips," a monthly newsletter filled with mechanical and operational pointers for those working on aircraft out in the flightline. A random sampling of typical maintenance problems encountered from the newsletter give a glimpse of a SAC flightline of the 1950s:

> "A mechanic pegs out for the aircraft before he gets his tools and then discovers that no tools are available in the tool crib…
>
> "A Mechanic forgets to peg in when he returns from the line, so dispatch must work overtime thinking that mechanics are still working on the aircraft…
>
> "A specialist reported to the airplane with a hot priority work order but the airplane was not open for maintenance…" (308th Bomb Wing Maintenance Tips Volume I Issue 13:1, from Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA)

SAC policy also implemented a system of awards for good maintenance work. In December 1955, Colonel John F. Batjer, the commanding officer of the 308th, issued T/SGT Joseph R. Allen, a nosedock chief of the 308th PMS, a letter of commendation, and made him Base Maintenance Man of the Month. Batjer praised Allen for his "outstanding" record as a dock chief, and cited a specific incident where an aircraft was put into a rushed periodic inspection, and because of "the age of the aircraft [Allen] was confronted with an extensive number of discrepancies to clear, sheet metal work to be accomplished, and parts to procure and change." Allen successfully inspected and repaired the aircraft with a day to spare (308th Bomb Wing Maintenance Tips Volume I Issue 13:12, from Howe, 308th Bomb Wing History, December 1955, MFR N0290, AFHRA). Other incentives offered for excellent maintenance work included two- and three-day passes (Wilson 2003).

In September 1956, after nine years as a separate service, the US Air Force published its first definitive guidance on organizational maintenance, AFM 66-1. This did not require much alteration at Hunter AFB or other SAC bases because Air Force Headquarters patterned AFM 66-1 after SAC 66-12. However, AFM 66-1 did establish an overall chief of maintenance responsible for all wing maintenance activities (George et. al. 2004). AFM 66-1 also replaced the PMS with the Organizational Maintenance Squadron (OMS). The OMS assigned a crew to each aircraft, supervised by a crew chief. Each OMS crew constantly checked every aircraft system to ensure their functionality. The OMS crew reported discrepancies to Maintenance Control, who scheduled specialized maintenance (SAC Wing Organization, Strategic-Air-Command.com 2005). AFM 66-1 governed maintenance at Hunter AFB until the Army acquired the post in the late 1960s.



Fig. 2.33 A circa 1970 photo of the Alert Area molehole, later known as Saber Hall. Courtesy US Army.

New MSA, Alert Area, and Flightline Construction: 1957-1960

In the mid-1950s, perhaps as a response to the future Soviet ICBM threat, SAC began altering its special weapon deployment system by basing its bombs permanently at its air installations. Much is still classified about the Bombs on Base (BOB) program, but it is certain that the expansion of Hunter AFB's MSA in 1956-1957 was related to BOB. The expanded MSA had two storage bunkers (called an A Structure and a C Structure) with special fixtures to store and maintain the polonium/beryllium "triggers" for open-capsule nuclear and thermonuclear weapons (Maggioni 2004:91-92).

The MSA was built adjacent to the future site of the Hunter AFB Alert Area, which was constructed in 1958-60. This was part of a late 1950s SAC-wide construction program that supported the ground alert concept originally tested at Hunter AFB during Operation Try Out in 1956-1957. Hunter AFB's Alert Area was identical to most others built at SAC or SAC tenant installations, and consisted of "Christmas Tree" concrete parking pads connected by a taxiway to the installation's main runway, and an aircrew alert quarters adjacent to the pads, called a "molehole" (Fig. 2.33) (Maggioni 2004:99-100). Although originally a component of the SAC Operations District, the Army mitigated and modified the HAAF's alert area in 2003-2004.

In 1957-58 the installation worked on its last SAC-related wave of new construction on the flightline, building three new hangars in the 308th area (Buildings 1130, 1131, and 1132, for KC-97 maintenance), two administration/shop facilities for the 308th OMS (Buildings 1128 and 1129), and a base operations facility to the southeast of the 308th overlooking the east end of the runway (Building 1252) (Maggioni 2004:102-103). The installation also demolished the old Municipal Airport building around this time. This building had served SAC as both a base operations and a security control facility up to this time.

SAC at Hunter AFB: 1958-1963

SAC operations at Hunter AFB during this period revolved primarily around home station alert and Reflex operations. Reflex was an off-shoot of one-third ground alert, except conducted at overseas SAC installations. Reflex completely replaced overseas wing rotation (Maggioni 2004:95-96).

In 1959 SAC transferred the 308th Bomb Wing from Hunter AFB. In January of that year SAC transferred Hunter AFB from the Second Air Force to the Eighth Air Force. Shortly thereafter the installation announced SAC would be leaving the installation for good. SAC was phasing out the B-47 and shifting its installations to the north—closer to the Soviet Union via the North Pole, and away from major population centers. New SAC strategy obviated the need for SAC to remain at Hunter AFB (Maggioni 2004:102).

SAC continued operations out of the installation. SAC initially converted the 2nd into an experimental "super-wing" of seventy B-47s, but by early 1961 this concept had proven too cumbersome to effectively deploy and control. SAC reduced the 2nd and other super-wings back to 45 B-47s (Annex C, 2nd Bomb Wing Inactivation Plan, 2 January 1963, from Clark, A/1C William A. [Clark], 2nd Bomb Wing History, December 1962-January 1963, MFR M0260, AFHRA).

Two crises in the early 1960s nearly led to nuclear war. In the summer of 1961 the Soviets built the Berlin Wall. Tensions rose steeply and Hunter AFB and other installations were briefly put on alert.

The world came closer to the brink in October 1962 during the Cuban Missile Crisis. At the start of the crisis the 2nd Bomb Wing had seventeen B-47s and six KC-97s on overseas Reflex duty. Hunter AFB dispersed thirteen B-47s on ground station alert to bases in South Carolina, and kept its remaining aircraft on full alert on the north parking apron. Hunter AFB also hosted the 306th Bomb Wing from MacDill AFB, Florida, which SAC placed on alert at the west apron and the alert area. Hunter AFB was one of many Air Force installations in the southeast instrumental to SAC's efforts during the Crisis (Maggioni 2004:105-106).

MATS at Hunter AFB: 1963-1967

The last SAC B-47s and KC-97s left Hunter AFB in March 1963. In April 1963 the 63rd Troop Carrier Wing of MATS moved to the installation (Clark, 2nd Bomb Wing History, December 1962-January 1963:Annex C, MFR M0260, AFHRA). The 63rd had eighty C-124 cargo planes and utilized the old SAC flightline facilities without major alterations. Former SAC shop space was slightly altered and reutilized.

Operating under AFM 66-1, the 63rd, like SAC, continued to work the flightline as a centralized maintenance system under a single director of maintenance, although more facilities were adapted to cargo-loading operations, due to the change in the installation mission. Maintenance operations mostly occurred on the north edge of the flightline and the northeast corner, within the double cantilever hangars and Buildings 1130, 1131, and 1132. On the east edge of the flightline, Buildings 1128 and 1129 became Maintenance Control buildings, Building 1206 was converted to an air freight warehouse, and Building 1290 became a part of the 63rd Wing headquarters, along with Building 1201 and Building 865 (MAC Historical Services and Research Division, History of Military Airlift Command 1 January-30 June 1967, Supporting Documents, September 1968, AFHRA).

Unfortunately, the C-124s were too large to fit inside the nosedocks. Because they were mostly superfluous structures, from 1962 to 1965 the installation moved or demolished all of the 308th Bomb Wing nosedocks on the east parking apron and four of the 2nd Bomb Wing nosedocks. Two nosedocks migrated to the northwest edge of the parking apron and the new Coast Guard helicopter station. In 1964 two were sent to the old SAC alert area (now called Saber Hall) to shelter cargo and personnel waiting for deployment.

Because AFM 66-1 was patterned after the centralized SAC maintenance system, the 63rd had a Maintenance Control unit overseeing all maintenance activities, Quality Control checking on maintenance work, the 63rd FMS, and the 63rd OMS. MATS also had the 63rd Communications and Electronics Maintenance Squadron (CEMS) for black box work. CEMS was the equivalent of a SAC AEMS, and conducted "black box" technical work for the unarmed transport aircraft (Clark, 63rd Troop Carrier Wing History 1 July – 31 December 1964:ii, MFR M0799, AFHRA).

As under SAC, Maintenance Control managed the wing's entire maintenance, and implemented both installation and higher authority maintenance policies (Clark, William A. History 63rd Troop Carrier Wing, Heavy 1 July – 31 December 1964:48). Over a period of six months, from July to December 1964 Quality Control conducted 81 periodic inspections, 74 post-flight inspections, 22 aircraft acceptance inspections, 47 engine installation inspections, 77 engine build-up inspections, and 56 post-heavy maintenance aircraft inspections (Clark, 63rd Troop Carrier Wing History, 1 July – 31 December 1964:53, MFR M0799, AFHRA). Overall the installation had an excellent maintenance program when the 63rd was here, often attaining 81% operational readiness, ten percent

more than the MATS standard (Management Analysis Office, Management Analysis Digest, Hunter AFB December 1964, MFR M0799, AFHRA).

Hunter AFB had no billeting and large-scale storage buildings adjacent to its flightline, and served as a poor MATS base. Within a year of the 63rd's arrival the government announced Hunter AFB's closure scheduled for 1967 (Maggioni 2004:108-109). Fortunately the US Army was interested in the base, mostly because of its massive parking apron, conducive to large-scale helicopter operations.

Hunter Army Airfield: 1967 to 1990

The US Army already had an installation only nine air miles to the west, Fort Stewart. As of July 1966 Fort Stewart became a training installation for fixed wing aircraft pilots. In late 1966 the US Army announced plans to create the Advanced Flight Training Center at Fort Stewart and HAAF. HAAF would act as an extension for the Army's primary helicopter training facility at Fort Rucker, Alabama, at least until the Vietnam War was over. Fort Stewart and HAAF provided Army helicopter pilots sixteen weeks of advanced flight training and tactics. In addition to this, HAAF became the only installation in the US that trained pilots on the new AH-1 Huey Cobra attack helicopter (Maggioni 2004:113-114).

The US Army reused the old SAC buildings. It required very little effort to adapt the facilities for helicopter operations and maintenance. The large spaces inside nosedocks and hangars, built for single, large aircraft, were adaptable for maintenance on multiple smaller helicopters.

The north edge of the airfield, including the remaining nosedocks, became a maintenance and operations center for AH-1 Cobras, while Buildings 850 and 860 became maintenance buildings for UH-1s. Building 1206, the WPA hangar, became a flight simulator facility, while Building 1290 was converted from shop space to an education center.

HAAF closed briefly in 1972 but reopened two years later as a subinstallation of Fort Stewart, supporting operations of the reactivated 24th Infantry Division. In 1974-1975 the Army stationed the 145th Aviation Battalion (Combat) and a number of ground combat and supply units at HAAF (Fig. 2.34). The 145th was a helicopter unit and used the old SAC hangars for maintenance operations. In 1978 the 1/75 Ranger battalion moved to the installation. In 1981 the installation began extensively reusing the old SAC alert area as a rapid deployment node (Marsh 1984:19-20).

Beginning in the mid-1970s HAAF provided support to other Department of Defense tenant units and operations. Thanks to its 11,375-foot long runway (the longest held by the Army east of the Mississippi) which could handle any aircraft in the Air Force inventory, and an old SAC alert area (now called "Saber Hall") which acted as a marshalling yard for rapid deployment forces, the installation became the premier rapid

deployment point for the US Army, and figured prominently in moving elements of the 24th Infantry Division stationed at nearby Fort Stewart, the 82nd Airborne Division of Fort Campbell, and the 101st Airborne Division of Fort Bragg to and from points all over the globe. The installation also directly supported Ranger and special operations deployment during the invasion of Grenada in 1983 (Marsh 1984:3). As a prime air deployment point, the installation often provided facilities for MATS personnel and aircraft, with deployment exercises often bringing over thirty C-141s and giant C-5 transports to the installation, parked in the Alert Area and the west ramp of the parking apron (Marsh 1984:27, 38).

By the mid-1980s the military had sixteen installation and tenant units stationed at HAAF. Units utilizing flightline installations include the 224th Military Intelligence Battalion, the 24th Combat Aviation Battalion (the helicopter aviation element of the 24th Infantry Division), the 132nd Aviation Company (supported rapid deployment missions), the 609th Transportation Company (conducted aviation maintenance for units in Georgia and Florida), and the 260th Quartermaster Battalion (conducted fueling operations, among other off-flightline activities) (Marsh 1984:22-25).

The division helicopter elements were centered around Building 850, 860, 1130, 1131, and 1132. The 24th CAB was based around the two double cantilever hangars and Building 1132, while D Troop/9th Cavalry performed was based out of Buildings 1130 and 1131 (Marsh 1984:39).

The aviation units used Buildings 850, 860, and the old SAC nosedocks for maintenance hangars, working on both helicopters and small fixed wing Army aircraft (Marsh 1984:38). In 1984 the installation had 149 helicopters and 21 fixed-wing aircraft permanently assigned to the installation (Marsh 1984:37). Hangar space was critically short on the HAAF flightline and by the mid-1980s the installation was already studying the development of more hangar space along the west edge of the apron (Marsh 1984:38). By the end of the Cold War, however, in 1990, the flightline largely retained its SAC-era appearance.

Conclusion

During the 1950s and early 1960s SAC utilized the maintenance and operations buildings within the Flightline Area to directly support nuclear deterrence, the key US strategy of the early Cold War. SAC adapted some existing World War II facilities and constructed additional necessary maintenance and shop space. The new buildings along the flightline were planned out to fit the SAC maintenance plan and local conditions existing within the World War II airfield. SAC thus molded the flightline to fit its standardized maintenance system, itself a work in progress throughout the early and mid 1950s.

Specifically, the buildings were arranged and adapted to suit a maintenance system divided by the north and east sides of the parking apron, with each side centrally

controlled by a single bomb wing. Nosedocks lining the outer band of buildings were used by separate flying squadrons or the organizational/periodic maintenance squadrons. The double cantilever hangars provided shop and aircraft maintenance space for the Field Maintenance Squadrons. The old World War II-era hangars provided shop space for the Field Maintenance Squadrons and the Armament and Electronics Maintenance Squadron, and also provided administration space for the wings' maintenance control units to direct flightline maintenance activities.

When the Army arrived, maintenance necessarily became decentralized because the Army aviation elements had more numerous and varied units then the SAC wings. The buildings no longer functioned together as a single maintenance entity, but rather multiple facilities with little working relationship to each other. Buildings formerly serving as control points for the maintenance hangars were put to other uses, and hangars without administration buildings had to be modified to add necessary office space. This necessitated internal changes to many of the larger hangars, which now also needed to provide areas for administration and shop space needs. In exchange for a long runway and massive parking apron, the Army for the past forty years had to adapt Air Force facilities, specifically designed and arranged for 1950s SAC bomber units, to Army maintenance requirements.



Fig. 2.34 The 145th Aviation Battalion of the reactivated 24th Infantry Division arrives at HAAF, 1974. The 145th used the SAC double cantilever hangars for maintenance operations. Courtesy US Army.

See also within FMR:

Volume II, Sections 13, 14, 15, 16, and 18 for photo maps, photograph indexes, medium-format views of elevations and viewsheds, contact sheets, and 35mm color slides highlighting the Flightline Area's historic resources.

Volume III, Section 19 for historic Flightline Area maps.

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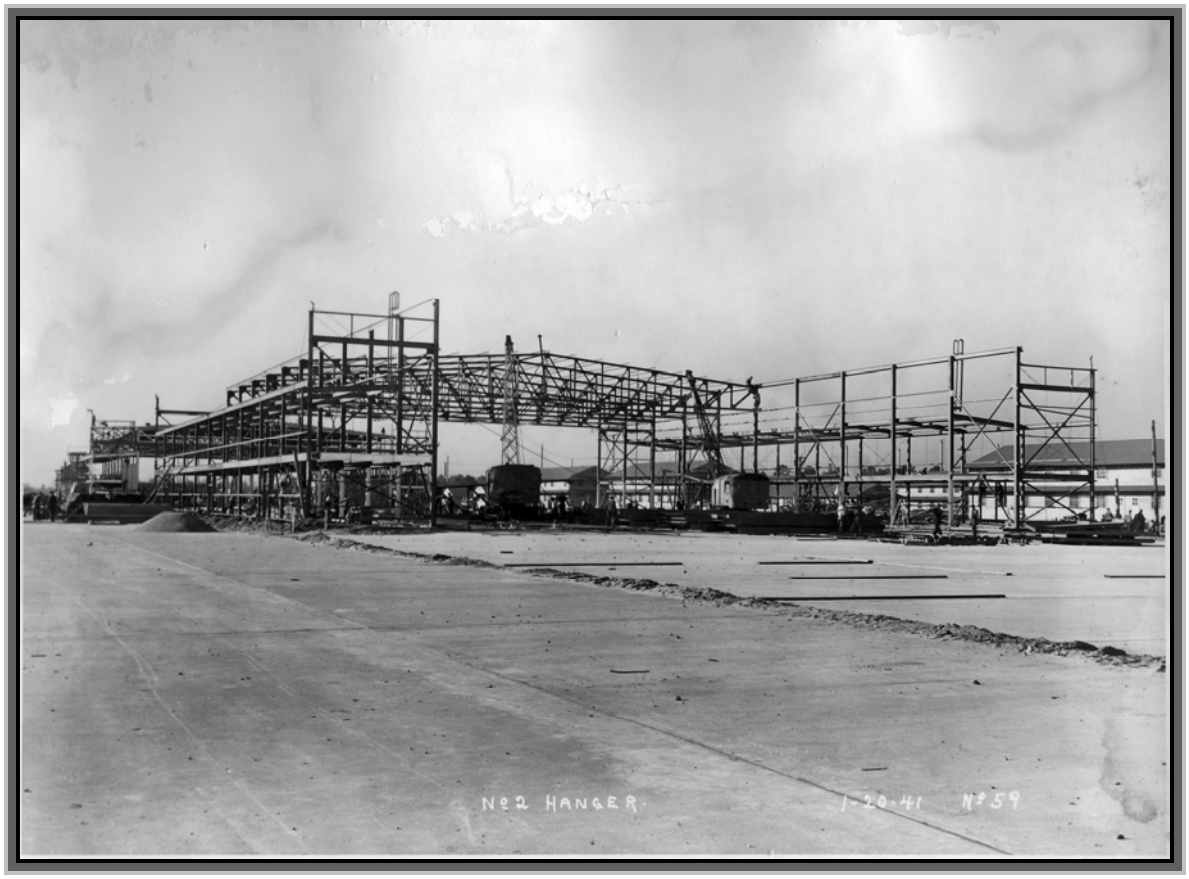


Figure 5.1 A January 1941 photograph of the construction of Building 811. Goode Construction Company photograph, courtesy US Army.

SECTION 5. THE DEVELOPMENTAL HISTORY OF BUILDINGS 811 AND 813: 120-FOOT WORLD WAR II TEMPORARY HANGARS

The Goode Construction Company of North Carolina constructed Buildings 811 and 813 in late 1940 and early 1941 as part of the first military development of the airfield (Fig. 5.1). In addition to these hangars the development included squadron operations buildings to the west and east of the hangars, Building 812 (see Section 5), a heat plant facility serving both hangars, and the first military aircraft parking apron, a concrete pad stretching a little over two hundred feet to the south of the hangars (Fig. 5.2 and 5.3). Later during World War II the Air Corps extended the parking apron further south to the junction of the installation's two primary runways.

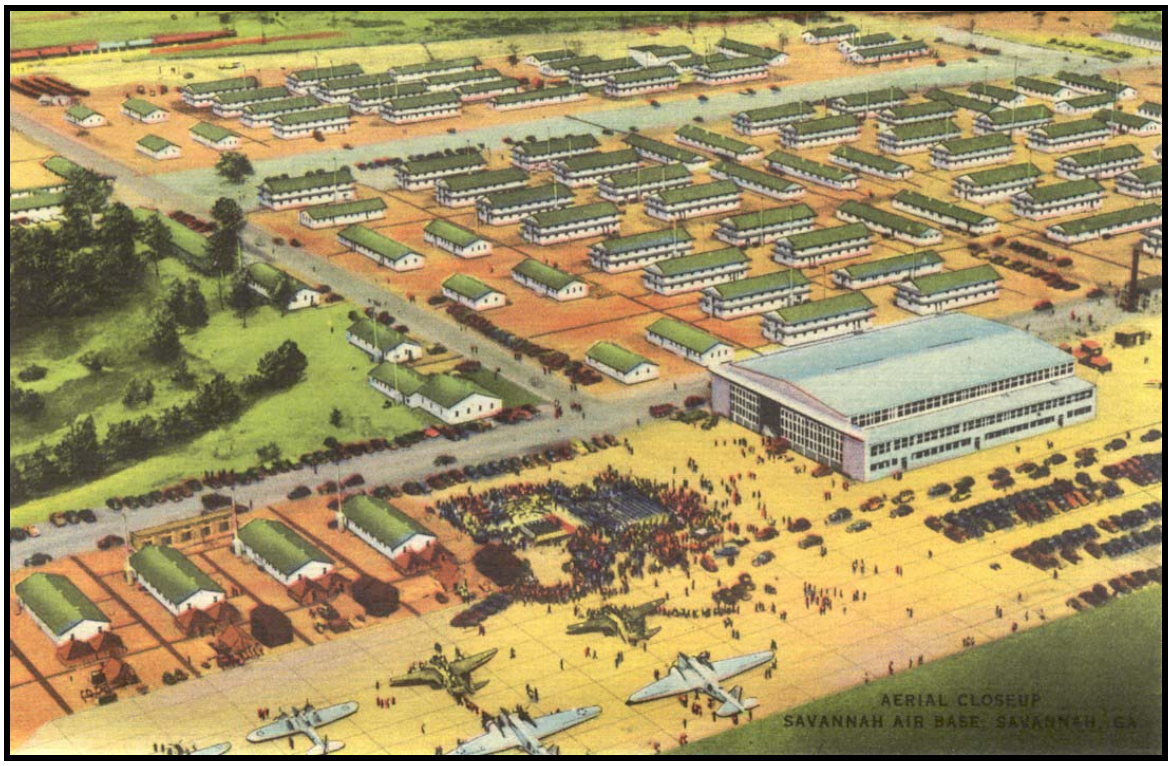


Fig. 5.2 A 1941 postcard showing barracks (top), squadron operations buildings (bottom left—the current Building 816 can be discerned immediately behind them), and the hangar, Building 813 (right). Courtesy Ms. Beth Grashof.

Buildings 811 and 813 were 120-foot steel truss flat gable hangars, perhaps the most common hangar type of the World War II-era air service (Pedrotty et. al. 1999:4-5). They were constructed with metal frames and sheathed in metal panels, with a shallow gabled gravel-surfaced roof and high hangar doors divided into ten sliding sections on their east and west facades. The hangars' design sought to maximize natural lighting, which shone through factory-style glass windows installed in the north and south façade walls and the east and west hangar doors. The hangar doors themselves consisted almost entirely of fixed steel sash windows opening into a central aircraft maintenance area, lit be clerestory windows set above the second floor. Administration space lined the first and second floors of the north and south interior walls.

The Air Corps initially used the hangars as the primary maintenance facilities for the 3rd and 27th Bomb Groups (Light), which began training at Hunter Field in 1940 (Maggioni 2004:30). When the Air Corps first occupied the buildings, Building 811 became the maintenance hangar for the 27th Bomb Group. The first floor rooms lining the north and south interior walls became maintenance administration and storage space for the 27th. The second floor offices held more 27th administration space and the Hunter Field base engineering and technical inspection offices. By 1943, however, the base engineering section had moved into a new facility, Building 1159.

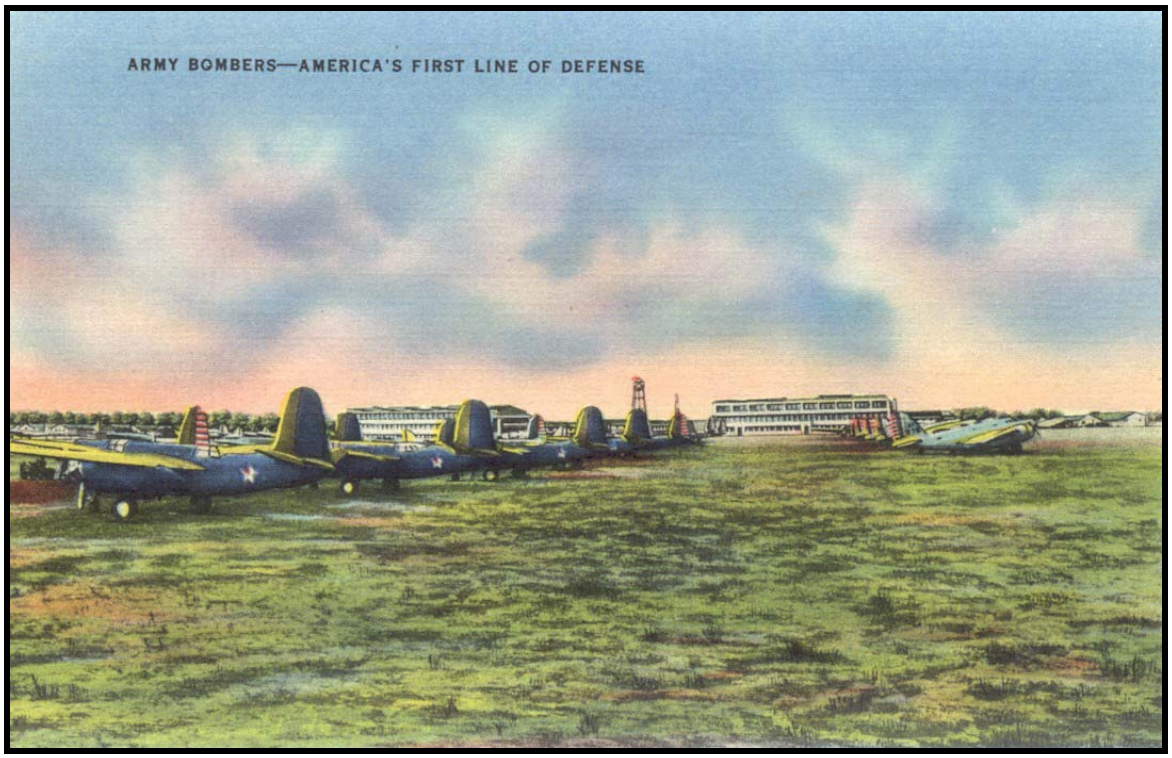


Fig. 5.3 A 1941 postcard showing bombers parked in a grass field between runways and the parking apron. Note Buildings 813 (left) and 811 (right) in the background. Courtesy Ms. Beth Grashof.

The floor plan for Building 813, the building that became the maintenance hangar for the 3rd Bomb Group, was nearly identical in most respects to Building 811, although the arrangement and subdivision of offices and latrines was altered to better fit the occupants of this hangar. On the ground floor were administration offices for the 3rd Bomb Group, storage space, and an aircraft maintenance shop. On the second floor of the north wall offices were technical supply rooms, a sewing (!) room, and radio and instrument sections. On the south interior second floor wall were 3rd Bomb Group administration areas.

The 3rd and 27th Bomb Groups conducted maintenance operations in these hangars from 1940 to 1941. In November 1941 the Air Corps transferred the 27th to the Philippines where the Japanese captured the entire unit in early 1942. From January 1942 until February 1943 Buildings 811 and 813 served the maintenance needs of various fighter and light bomber units training at Hunter Field.

In March 1943 the Air Corps, now renamed the United States Army Air Forces (USAAF), designated Hunter Field as a staging base. Buildings 811 and 813, along with Building 1290 (newly constructed in 1943) and Building 1206 (the Municipal Airport hangar) served maintenance personnel preparing factory-shipped bombers for combat in Europe (Maggioni 2004:46). Contemporary documents list Buildings 811, 813, 1206, and 1290 as, respectively, Hangars 1, 2, 3, and 4.



Fig. 5.4 Building 811 as a civilian hangar, in April 1950. Photo from the John Baker Collection, Mighty Eighth Air Force Museum.



Fig. 5.5 A 1950 view of Building 813,. Neither Building 811 nor 813 had been significantly altered since World War II. From the John Baker Collection, Mighty Eighth Air Force Museum.

When Hunter Field again became the Savannah Airport in 1946, the hangars reverted to civilian use. The Georgia Aero-Flying School and other aviation enterprises operated briefly out of Buildings 811 and 813 (Figs. 5.4 and 5.5). By 1947 Building 811 (described as "Hangar No. 1") was leased by Georgia Aeronautics, Inc., a flying school for small Piper Cub type aircraft (Fig. 5.6). The hangar floor held between twelve and eighteen Cubs at a time. Pleasure Craft Inc. and Seacoast Flying School shared Building 813. Both hangars were used for small civilian aircraft storage and repairs, including engine repair, fabrication, paint spraying, doping, and welding (HAAF Re-Inspection Fire Protection and Security Report Section II Supplement, 21, 24, 25 November 1947, Accession 51-A-1, Records of the War Assets Administration Record Group 270 [RG 270], National Archives and Records Administration [NARA] Atlanta; Letter from Zone Fire Protection Engineer, Original Security and Fire Protection Report, HAAF, 10 December 1946, Accession 51-A-1, RG 270, NARA Atlanta).

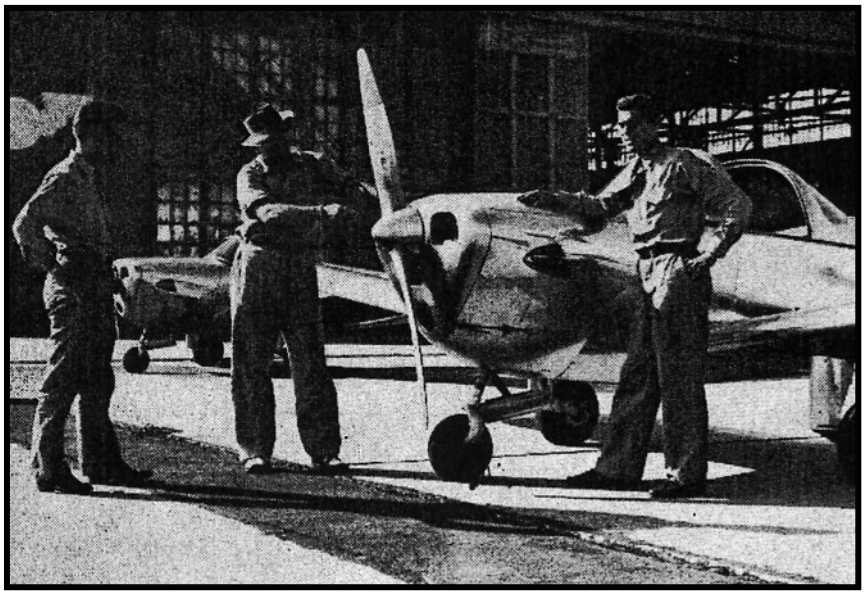


Fig. 5.6 Captain Robert S. Register, owner of the Georgia Aero-Flying School, talks with two of his flight instructors, both veteran World War II pilots, in front of Building 811. From The Georgia Veteran, October 1944, page 12.

SAC assumed control of Hunter Field in 1950 and began repairing the installation's World War II infrastructure, including Buildings 811 and 813. Because the B-50 bombers flown by the 2nd Bomb Wing were too large for the old 120-foot hangars, SAC reused Buildings 811 and 813 like the other World War II-era hangars, as shop space. A 1953 Master Plan shows Building 811 as the 2nd Bomb Wing Armaments and Electronics Maintenance Squadron (AEMS) shop and Building 813 was its Engine shop (Fig. 5.7) (Thomas and Hutton 1953).

In 1954-1955 the Air Force conducted major interior renovations to Buildings 811 and 813. The renovation of the 2nd Bomb Wing maintenance shop facilities coincided with the renovation of Building 1290, the 308th Bomb Wing AEMS shop.

The Air Force converted Building 811 to the primary AEMS shop of the 2nd Bomb Wing. The work by the 2nd AEMS would be conducted here on equipment taken out of planes, but a line crew was also kept in the building to respond to service calls from hangars and nosedocks for in-place inspections and repairs, or to remove equipment for later servicing ("Planning Buildings for the US Air Force," Architectural Record, 1952).

In renovating Building 811, the installation fastened shut the facility's sliding hangar door sections with welded anchors. The Air Force then subdivided the hangar area floor space into four unequal quadrants, connected by two hallways running east-west and north-south and intersecting roughly in the middle of the hangar. The floor plan for the original administration space along the north and south interior was also altered, although it is unclear if this occurred during the 1954 renovation or earlier.



Fig. 5.7 A view of Building 813 after SAC renovated the building, circa 1952. Note the portable maintenance stands in the foreground, used for work on aircraft on the flightline. Canvas was stretched over the metal frames in inclement weather for overhead cover. SAC had also erected Castle nosedocks just to the south of Buildings 811 and 813 on the north parking apron, not visible in this photograph. From the John Baker Collection, Mighty Eighth Air Force Museum

The walls of the shop space were built out of wood stud walls covered with gypsum board and concrete block. The ceiling in the former hangar area was lowered to ten feet, covered in gypsum, and supported by metal joists. Asphalt tile was laid in most of the building. New exterior doors matched the old World War II doors, while both new and old interiors were supplied with metal and wood flush panel doors, some with windows. An air conditioning unit was placed in the center of the building above the ceiling.

The new floor plan was designed for specific maintenance shops utilized by a SAC bomb wing of the mid-1950s. The northwest quadrant of the building consisted of the radar, electronic countermeasures, and radio shops. The northeast quadrant held the analysis unit, the material controls branch, and a supply area. The southeast quadrant held the gunnery system unit shop, and the southwest quadrant held the bombing and navigation systems shop. The south quadrants were just single large rooms, while the north quadrants were divided up into four or more separate rooms. The original administration space lining the north and south walls held classrooms, administration space, storage space, latrines, and a PX coffee shop.

The renovation was followed by a major organizational change in January 1955, when special weapons maintenance functions transferred from the 2nd AEMS to the 804th Air Base Group. The Special Weapons Division became part of the Maintenance Division, housed in nearby Building 813 (Newby, S/Sgt. Idus A., 2nd Bomb Wing History January 1955:4, Microfilm Reel [MFR] M0246, Air Force Historical Research Agency [AFHRA]).



Fig. 5.8 Maintenance Control, operating out of Building 811 (left), supervised maintenance operations in Building 850 (center) and the nosedocks (right). Photo by David Diener in May 2005, from the Flightline Mitigation Report (FMR), Volume II, Section 15.

In addition to maintenance shop functions, Building 811 housed 2nd Bomb Wing Maintenance Control, which served as the nerve center for all 2nd Bomb Wing maintenance operations on the installation. The SAC maintenance system was constantly evolving in the early 1950s, but by about 1954 had gelled into a highly efficient program. Mechanics inspected the aircraft and radioed subsequent work orders to Maintenance Control, which kept track of inpections and work orders from a large plexiglass board listing the status of all 2nd Bomb Wing aircraft. Maintenance work was then assigned to each shop, and the shops assigned personnel to work on the aircraft docked in either the 2nd Bomb Wing nose hangars just to the south of Maintenance Control, or Building 850, the 2nd Bomb Wing's maintenance hangar (See Volume I, Section 7). Building 811 also housed Quality Control, which oversaw the 2nd Periodic Inspection Squadron and checked the quality of aircraft maintenance work (Wilson 2003).

Building 811 therefore held prime importance for 2nd Bomb Wing maintenance activities. Centrally located on the 2nd Bomb Wing's flightline, Maintenance Control, operating from Building 811, coordinated maintenance work between the shops, the nosedocks to its immediate south, and Building 850, the maintenance hangar, to the east Fig. 5.8).

In 1959 SAC transferred the 308th Bomb Wing from Hunter AFB, freeing up space on the east edge of the parking apron. By 1960 Building 811 housed the 2nd Organizational Maintenance Squadron (OMS) main office in addition to shop and administration space for the 2nd AEMS. The OMS conducted regular and comprehensive inspections of aircraft and primarily worked in designated nosedocks. Buildings 1128 and 1129, originally 308th OMS shop space, also became 2nd OMS shop buildings after

the 308th left Hunter AFB (see Volume I, Section 11) (Alert Procedures Base Manual 55-3, from Ruddell, A1/C Kenneth W., 2nd Bomb Wing History July 1960, AFHRA).

Unlike Building 811, Building 813 retained its central maintenance space, and in October 1954 the Maintenance section of the 2nd AEMS moved from Building 811 to 813. The Engine maintenance shop, part of the 2nd Field Maintenance Squadron (FMS) operating out of the brand-new double cantilever hangar (Building 850) continued operations in Building 813 (Wilson 2003). The Air Force also installed exterior metal staircases on both buildings, a nod to their separate functions as shop space for multiple component maintenance tasks and also their significant administrative role in day-to-day maintenance operations (Newby, S/SGT Idus A., 2nd Bomb Wing History, October 1954:36, from MFR M0246, AFHRA).

By 1959 the Air Force had heavily altered the floor plan of Building 813's original administrative space, but kept the central hangar maintenance space open and the main hangar doors operational for work on B-47 jet engines, KC-97 prop engines, and other shop maintenance functions. The interior staircase on the south side of the building was eliminated in favor of two exterior staircases at both ends of the façade. The Air Force also added a small-scale, two-room storage area to this façade, and an exterior staircase in the middle of the north façade. The north side exterior staircase was added in 1954, while the other changes occurred between 1954 and 1959. A 1960 plan indicates the Engine Maintenance Manager office was located on the second floor, and that the Quality Control office had moved from Building 811 to the northeast corner of the second floor of Building 813.



Fig. 5.9 Building 827, a former World War II latrine converted by SAC into shop space. In the background is Building 811. Photo by Paul Maggioni 2004.



Fig. 5.10 The site of Building 827, demolished in early 2005. Photo by David Diener, Volume II, Section 15, FMR.



Fig. 5.11 Buildings 811 (right foreground) and 813 circa 1970, shortly after the Army acquired HAAF in 1967. Note the windows on the first two floors have been painted over by this time. Courtesy US Army.

Building 827, a former latrine made from terra cotta block, augmented the 2nd Bomb Wing shops in Buildings 811 and 813. Located between the two hangars, closer to Building 813, Building 827 was originally constructed in about 1943 by the USAAF as extra latrine facilities for maintenance personnel working in Buildings 811 and 813. At some point SAC converted this small structure into general purpose open shop space, likely a subsidiary service facility for either Building 811 or 813. MATS also used the facility for general purpose shop space. The Army demolished the structure in early 2005 (Figs. 5.9 and 5.10).

In 1963 SAC left the installation for good, replaced by the cargo aircraft of the 63rd Troop Carrier Wing (TCW) of the Material Air Transport Service (MATS). The change in mission, from strategic bombing to cargo and troop transport operations, also changed the nature of the components repaired in the shop space. Building 811 continued in the capacity as a "black box" shop, but armament and bombing component maintenance was no longer necessary. Because MATS aircraft were unarmed, the 63rd TCW utilized the 63rd Communications and Electronics Maintenance Squadron (CEMS) as opposed to a SAC wing's AEMS.

Building 811's floor plan since 1954-1955 had only been slightly altered, with some more walls put up to further subdivide shop space. The PX, shower room, and latrines remained in the same location when MATS moved in, but the uses of the shop spaces altered. The northwest quadrant changed from radar, radio, and ECM maintenance to radio and instrument shops, the southwest quadrant changed from bombing and navigation system shop to the radio and radar repair shop, the southeast quadrant changed from gunnery system unit maintenance to an electric shop, and the northeast quadrant changed from the analysis unit to the autopilot shop, dispatch and control room, a radio and radar shop extension, and the technical library. In addition to 63rd CEMS shops and offices, the facility also held administration space for the 63rd Organizational Maintenance Squadron (OMS).

Building 813 continued to serve MATS as an Engine Shop. The Air Force further subdivided the administration space in Building 813, making more private offices, with both studded and sheetrock partitions and concrete block walls, and closed off a door leading to the central hangar space.

In 1967 the Army acquired Hunter AFB and renamed it Hunter Army Airfield (HAAF). HAAF became part of the Advanced Flight Training Center (AFTC) that trained fixed wing and helicopter pilots for the Vietnam War. The Army used Building 811 for both shop and administration space, leaving the SAC renovations largely unchanged. Under the Army, Building 811 no longer had a central role in base maintenance operations. Instead, the smaller Army units directed their own maintenance from individual hangars or administration space across Strachan (now Lightning) Road. Initially the Army repaired the sliding hangar doors for the west façade of Building 811 and the east and west facades of Building 813. New weather stripping was applied between all glass panes on the doors. All existing metal panels at the ground level were replaced with new galvanized steel panels, interior and exterior (Fig. 5.11).



Fig. 5.12 Building 813 in May 2005. The hangar's original first floor windows have been painted over, while its second floor fenestration has been replaced by sheet metal and new windows. Photo by David Diener, FMR, Volume II, Section 15.

The Army repaired Building 813's roof in late 1968 with built-up roofing, and also added concrete skirting to the exterior of the hangar. HAAF was the only place in the US that trained pilots and pilot instructors on the AH-1 during the Vietnam War, and Building 813 became a maintenance hangar for the new AH-1 Huey Cobra attack helicopters (Maggioni 2004:116).

In 1974 the US Army reactivated the 24th Infantry Division at Fort Stewart. HAAF, now a subinstallation of Fort Stewart, became home to the division's airmobile (helicopter) units, in addition to other tenants such as the Coast Guard helicopter unit and the 1/75 Ranger Battalion. Since 1967 Building 813 continued to be utilized as a helicopter maintenance facility while Building 811 evolved into primarily an administration building.

By 1984 the 609th Transportation Company occupied both Buildings 811 and 813 (Marsh 1984:38). The 609th, with over 300 officers and men, provided direct support aviation maintenance and supply to active duty Army units in Georgia and Florida (Marsh 1984:23). The 1160th Transportation Company also occupied a third of Building 811 (Marsh 1984:39).

The Army undertook major exterior changes to Building 813 in 1983, installing two additional exterior stairways on each end of the north façade, and two second-floor doorways. The Army removed the original World War II factory-style sash windows on the second floor and replaced them with sheet metal panels. The Army installed sliding metal windows at regular intervals along the second floor, significantly altering their appearance (Fig. 5.12). The second floor administration space on the north façade was completely redesigned with individual office space for an aviation battalion conference room and aviation company administration space, including platoon commanders' offices, flight operations, planning, safety, and quality control. The windows formerly looking out into the central maintenance area were filled in with gypsum board.

Change came more slowly to Building 811. In 1989 the Army replaced Building 811's built-up roof with insulated metal roofing. In the late 1990s the Army heavily altered Building 811's exterior by removing the old World War II windows on the second floor and replacing them with metal paneling and smaller modern metal sash windows giving it a very similar appearance to Building 813's modifications (Photo 80, Volume II).

Buildings 811 and 813 have survived sixty years of adaptation to widely changing missions. Their survival is a testament to the hangars' quality of construction and the versatility of their design. The hangars' three-story high maintenance area, flanked by two stories of multipurpose space, allowed smooth transition between successive uses.

See also within FMR:

Volume II, Sections 13, 14, 15, 16, and 18 for photo maps, photograph indexes, medium-format photographs, contact sheets, and 35mm color slides of elevations and viewsheds of Buildings 811 and 813, Photos 78-83, 92-94, 97-100.

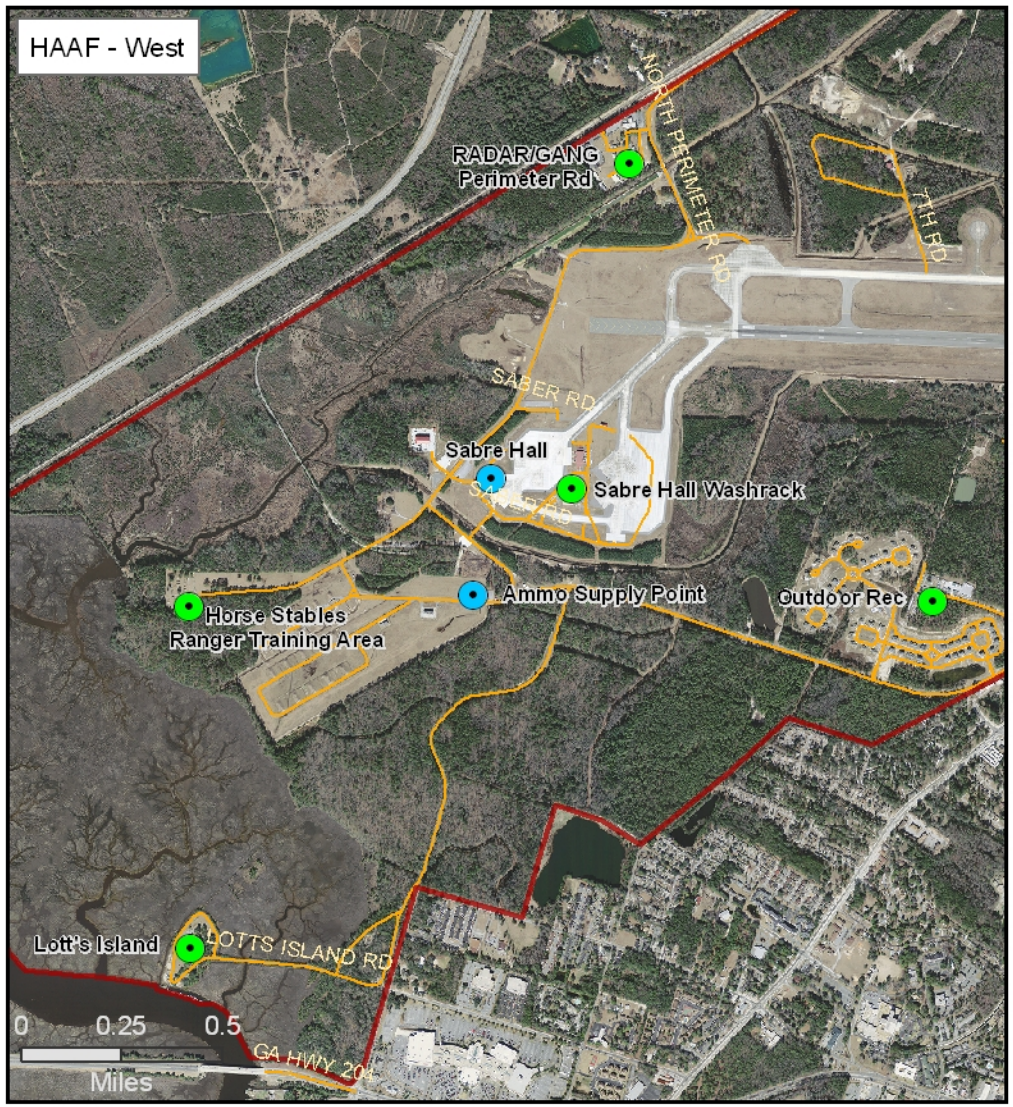
Volume III, Section 22 for plans, elevations, real estate records, and the Georgia Historic Building Survey Form.

Bibliography

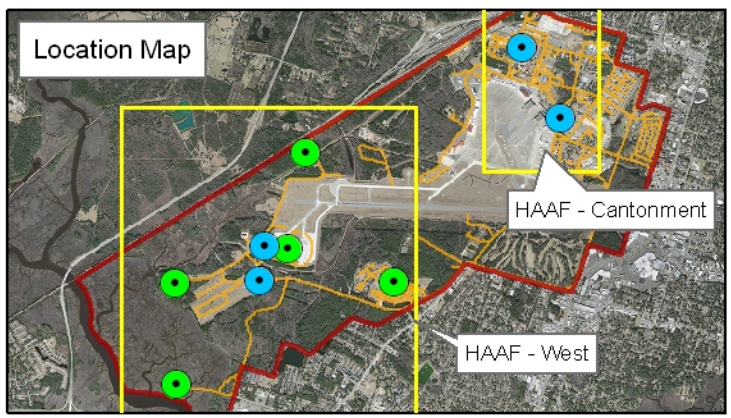
Maggioni, Joseph
2004 HAAF Historic Building Survey Volume I: History and Context. Fort Stewart: Department of Public Works.

Marsh, Schappi
1984 HAAF Installation Survey Report, 11-12 April.

Hunter Army Airfield (HAAF) - Water Supply Locations







Legend

- Community
- Non-Community
- Installation Boundary
- Roads

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

5804 Peachtree Corners East, Norcross, GA 30092-3403
(678) 248-7383

LABORATORY REPORT

TO: Mr. ROBERT BAUMGARDT
1587 FRANK COCHRAN DR
FORT STEWART, GA 31314

Sample ID:	AH34126
Facility Name:	usa-hunter army airfield - mai 302
Site ID:	0510107
Location ID:	302
Location Descr:	WELL #2 PLANT

Date Collected:	7/13/2011
Time Collected:	10:50
Sample Collector:	N. WILLIAMS
Chlorination:	Yes
Sample Type:	Routine
Received By:	JHM
Date Received:	7/14/2011
Time Received:	10:24 AM
Project:	VOC
Reporting Date:	7/28/2011
Received Temperature:	0.0 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
GC/MS Volatiles in DW QC Batch 127692										
Vinyl Chloride	39175		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	2
1,1-Dichloroethylene	34501		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	7
Dichloromethane	34423		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
trans-1,2-Dichloroethylene	34546		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	100
cis-1,2-Dichloroethylene	77093		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	70
1,1,1-Trichloroethane	34506		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	200
Carbon tetrachloride	32102		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Benzene	34030		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
1,2-Dichloroethane	32103		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Trichloroethylene	39180		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
1,2-Dichloropropane	34541		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Toluene	34010		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	1000
1,1,2-Trichloroethane	34511		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Tetrachloroethylene	34475		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Chlorobenzene	34301		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	100
Ethylbenzene	34371		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	700
Total Xylenes	34020		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	1000
Styrene	77128		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	100
p-Dichlorobenzene	34571		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	75
o-Dichlorobenzene	34536		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	600
1,2,4-Trichlorobenzene	34551		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	70
4-Bromofluorobenzene(Surrogate QC Std.)			EPA 524.2	5.6		ug/L	0.50	RC1	7/14/2011	*3.5 to 6.1*
1,2-Dichlorobenzene(Surrogate QC Std.)			EPA 524.2	5.7		ug/L	0.50	RC1	7/14/2011	*3.5 to 6.3*
Dichlorodifluoromethane	34668		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Kristy Hrehor	678-248-7450
Metals:	Mark Tolbert	678-248-7440
Organics:	Carmen Jones	678-248-7420
GC Mass Spec:	Ralph Schulz	678-248-7410
Microbiology:	Avionne Fortner	678-248-7400

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
Chloromethane	34418		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Bromomethane	34413		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Chloroethane	34311		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Fluorotrichloromethane	34488		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
1,1-Dichloroethane	34496		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
2,2 -Dichloropropane	77170		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Bromochloromethane	77297		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Chloroform	32106		EPA 524.2	0.51	ug/L	0.50	RC1	7/14/2011	
1,1-Dichloropropene	77168		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Dibromomethane	77596		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
Bromodichloromethane	32101		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
cis-1,3-Dichloropropene	34704		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
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Naphthalene	34696		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
1,2,3-Trichlorobenzene	77613		EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	
2-Methoxy-2-methyl-propane			EPA 524.2	Not Detected	ug/L	0.50	RC1	7/14/2011	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Kristy Hrehor	678-248-7450
Metals:	Mark Tolbert	678-248-7440
Organics:	Carmen Jones	678-248-7420
GC Mass Spec:	Ralph Schulz	678-248-7410
Microbiology:	Avionne Fortner	678-248-7400

WATER RESOURCES MANAGEMENT BRANCH WELL DATA SHEET

Georgia Department of Natural Resources
Environmental Protection Division
(Form To Be Completed By Licensed Water Well Contractor)

Water System Name: Hunter Army Airfield - Main County: Chatham
System ID. No. 302522176 System Permit No. CG1790024 System Well No. 2
System Type: community: X non-community: ___ non-community non-transient: ___ non-public: ___

Owner: U.S. Army
Address: 1550 Frank Cochran Drive
City/State/Zip: Fort Stewart, GA 31314
Phone No: (912) 767-2010

Driller: _____
Address: _____
City/State/Zip: _____
Phone No: ( ) _____

Well Location Bldg 1205 at the corner of Neal Street and Strachan Road
Ground Elevation: _____ ft. MSL., Longitude: W _____, Latitude: N _____

WELL DESCRIPTION

Date Drilled: 1942
Total Depth: 600 ft.
Static Water Level (SWL): _____ ft.
Date SWL Measured: _____
DRILLING METHOD (Indicate)
Rotary: ___ Percussion: ___ Other: ___
HOLE DIAMETER
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
CASING RECORD
Type Material: cast iron
Wall Thickness: 12" SDR: _____
Weight/Foot: _____
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
(Use Additional Sheets If Necessary)

WELL SCREEN

Type Of Material: _____
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Thickness Of Gravel Packing: _____

GROUTING

Type Grout: _____
Applied By Pressure: Yes: ____ No: ____
From: _____ ft., To: _____ ft.
From: _____ ft., To: _____ ft.

PUMPING TEST DATA

Date Tested: _____
Test Pump Rated: _____ gpm, _____ hp
Total Continuous Hrs. Tested: _____
Water Level Stabilized: YES: ____ NO: ____
Hrs. Before Stabilization: _____
Sustained Well Yield: _____ gpm
Static Water Level : _____ ft.
Total Drawdown: _____ ft.
Specific Capacity: _____ gpm/ft.
Pumping Water Level: _____ ft.
No. Minutes Well To Recover: _____
Developed Well: Yes: _____ No: _____
Disinfected Well: Yes: _____ No: _____
(Attach Time And Drawdown Measurements)

PERMANENT PUMP DATA

(Completed By Contractor Or Owner)
Pump Type: electric Layne turbine
Diameter: _____ in., Outlet Size: _____ in.
Motor hp: 100 Motor rpm: _____
Total Dynamic Head: _____ ft.
Pump Set At: _____ ft.
Pump Disinfected: Yes: X No: ____
Deep Well Air Line Length: _____ ft.
Access Port Diameter: _____ in.
Casing Vent Installed: Yes: X No: ____
Sample Tap Installed: Yes: ____ No: ____
Meter Installed: Yes: X No: _____
Meter Size: _____ in. 1300 gpm

SEND FORM TO : Drinking Water Program, 205 Butler St., S.E., Rm. 1066, Atlanta, Ga. 30334

This well was drilled and constructed in accordance with the Georgia Department of Natural Resources' Rules for Safe Drinking Water, Chapter 391-3-5, and/or the Rules and Regulations for Groundwater Use, Chapter 391-3-2. I certify that the information on both sides of this form is correct and true to the best of my knowledge.

Well Contractor's Signature: _____ License No.: _____

Well Contractor's Name: _____ Date: _____

EPD-WS1.1(1989) COMPLETE WELL LOG ON THE REVERSE SIDE

WELL DATA

From Feet	To Feet	Type Material Encountered	Remarks	Water Bearing
		Not known		

(If More Space Is Required, Use Additional Sheets)

DEPARTMENT USE ONLY

Microbiological Analysis Results:_____
Inorganic Analysis Results:_____
Pesticides Analysis Results:_____
VOC Analysis Results:_____
SOC Analysis Results:_____

RADIOLOGICAL ANALYSIS RESULTS

WS#_____ Gross Alpha:_____
Ra226:_____ Ra228:_____ Uran

WATER RESOURCES MANAGEMENT BRANCH WELL DATA SHEET

Georgia Department of Natural Resources
Environmental Protection Division
(Form To Be Completed By Licensed Water Well Contractor)

Water System Name: Hunter Army Airfield - Main County: Chatham
System ID. No. 302522176 System Permit No. CG1790024 System Well No. 1
System Type: community: X non-community: ___ non-community non-transient: ___ non-public: ___

Owner: U.S. Army
Address: 1550 Frank Cochran Drive
City/State/Zip: Fort Stewart, GA 31314
Phone No: (912) 767-2010

Driller: _____
Address: _____
City/State/Zip: _____
Phone No: ( ) _____

Well Location Bldg 711 at the corner of Moore Road and Douglas Street
Ground Elevation: _____ ft. MSL., Longitude: W _____, Latitude: N _____

WELL DESCRIPTION

Date Drilled: 1940
Total Depth: 550 ft.
Static Water Level (SWL): _____ ft.
Date SWL Measured: _____
DRILLING METHOD (Indicate)
Rotary: ___ Percussion: ___ Other: ___
HOLE DIAMETER
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
CASING RECORD
Type Material: cast iron
Wall Thickness: 12" SDR: _____
Weight/Foot: _____
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
(Use Additional Sheets If Necessary)

WELL SCREEN

Type Of Material: _____
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Size: _____ in., From: _____ ft., To: _____ ft.
Thickness Of Gravel Packing: _____

GROUTING

Type Grout: _____
Applied By Pressure: Yes: ____ No: ____
From: _____ ft., To: _____ ft.
From: _____ ft., To: _____ ft.

PUMPING TEST DATA

Date Tested: _____
Test Pump Rated: _____ gpm, _____ hp
Total Continuous Hrs. Tested: _____
Water Level Stabilized: YES: ____ NO: ____
Hrs. Before Stabilization: _____
Sustained Well Yield: _____ gpm
Static Water Level : _____ ft.
Total Drawdown: _____ ft.
Specific Capacity: _____ gpm/ft.
Pumping Water Level: _____ ft.
No. Minutes Well To Recover: _____
Developed Well: Yes: _____ No: _____
Disinfected Well: Yes: _____ No: _____
(Attach Time And Drawdown Measurements)

PERMANENT PUMP DATA

(Completed By Contractor Or Owner)
Pump Type: electric Layne turbine
Diameter: _____ in., Outlet Size: _____ in.
Motor hp: 100 Motor rpm: _____
Total Dynamic Head: _____ ft.
Pump Set At: _____ ft.
Pump Disinfected: Yes: X No: ____
Deep Well Air Line Length: _____ ft.
Access Port Diameter: _____ in.
Casing Vent Installed: Yes: X No: ____
Sample Tap Installed: Yes: ____ No: ____
Meter Installed: Yes: X No: _____
Meter Size: _____ in. 1300 gpm

SEND FORM TO : Drinking Water Program, 205 Butler St., S.E., Rm. 1066, Atlanta, Ga. 30334

This well was drilled and constructed in accordance with the Georgia Department of Natural Resources' Rules for Safe Drinking Water, Chapter 391-3-5, and/or the Rules and Regulations for Groundwater Use, Chapter 391-3-2. I certify that the information on both sides of this form is correct and true to the best of my knowledge.

Well Contractor's Signature: _____ License No.: _____

Well Contractor's Name: _____ Date: _____

EPD-WSL1 (1989) **COMPLETE WELL LOG ON THE REVERSE SIDE**

WELL DATA

From Feet	To Feet	Type Material Encountered	Remarks	Water Bearing
288	623	BROWN AND WHITE LIMESTONE	Large cavitys from 300' to 400'. per video	YES

(If More Space Is Required, Use Additional Sheets)

DEPARTMENT USE ONLY

Microbiological Analysis Results:_____
Inorganic Analysis Results:_____
Pesticides Analysis Results:_____
VOC Analysis Results:_____
SOC Analysis Results:_____
Organic Analysis Results:_____

RADIOLOGICAL ANALYSIS RESULTS

WS#_____ Gross Alpha:_____
Ra226:_____ Ra228:_____ U238:_____
Radon:_____ Composite:_____

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

5804 Peachtree Corners East, Norcross, GA 30092-3403
(678) 248-7383

LABORATORY REPORT

TO: Mr. ROBERT BAUMGARDT
1587 FRANK COCHRAN DR
FORT STEWART, GA 31314

Date Collected:	7/13/2011
Time Collected:	10:30
Sample Collector:	N. WILLIAMS
Chlorination:	Yes
Sample Type:	Routine
Received By:	JHM
Date Received:	7/14/2011
Time Received:	10:24 AM
Project:	VOC
Reporting Date:	7/28/2011
Received Temperature:	0.0 °C

Sample ID:	AH34125
Facility Name:	usa-hunter army airfield - mai 301
Site ID:	0510107
Location ID:	301
Location Descr:	WELL #1 PLANT

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
GC/MS Volatiles in DW QC Batch 127692										
Vinyl Chloride	39175		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	2
1,1-Dichloroethylene	34501		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	7
Dichloromethane	34423		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
trans-1,2-Dichloroethylene	34546		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	100
cis-1,2-Dichloroethylene	77093		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	70
1,1,1-Trichloroethane	34506		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	200
Carbon tetrachloride	32102		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Benzene	34030		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
1,2-Dichloroethane	32103		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Trichloroethylene	39180		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
1,2-Dichloropropane	34541		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Toluene	34010		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	1000
1,1,2-Trichloroethane	34511		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Tetrachloroethylene	34475		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	5
Chlorobenzene	34301		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	100
Ethylbenzene	34371		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	700
Total Xylenes	34020		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	1000
Styrene	77128		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	100
p-Dichlorobenzene	34571		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	75
o-Dichlorobenzene	34536		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	600
1,2,4-Trichlorobenzene	34551		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	70
4-Bromofluorobenzene(Surrogate QC Std.)			EPA 524.2	5.5		ug/L	0.50	RC1	7/14/2011	*3.5 to 6.1*
1,2-Dichlorobenzene(Surrogate QC Std.)			EPA 524.2	5.4		ug/L	0.50	RC1	7/14/2011	*3.5 to 6.3*
Dichlorodifluoromethane	34668		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

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Organics:	Carmen Jones	678-248-7420
GC Mass Spec:	Ralph Schulz	678-248-7410
Microbiology:	Avionne Fortner	678-248-7400

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYSIS ANALYST	ANALYSIS DATE	MCL or QC Range
Chloromethane	34418		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Bromomethane	34413		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Chloroethane	34311		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Fluorotrichloromethane	34488		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,1-Dichloroethane	34496		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
2,2 -Dichloropropane	77170		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Bromochloromethane	77297		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Chloroform	32106		EPA 524.2	0.84		ug/L	0.50	RC1	7/14/2011	
1,1-Dichloropropene	77168		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Dibromomethane	77596		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Bromodichloromethane	32101		EPA 524.2	0.84		ug/L	0.50	RC1	7/14/2011	
cis-1,3-Dichloropropene	34704		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
trans-1,3-Dichloropropene	34699		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,3-Dichloropropane	77173		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Chlorodibromomethane	34306		EPA 524.2	0.85		ug/L	0.50	RC1	7/14/2011	
1,2-Dibromoethane	81522		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,1,1,2-Tetrachloroethane	77562		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Bromoform	32104		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Isopropylbenzene	77223		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,1,2,2-Tetrachloroethane	34516		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Bromobenzene	81555		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,2,3-Trichloropropane	77443		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
n-Propylbenzene	77224		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
o-Chlorotoluene	77275		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,3,5-Trimethylbenzene	77226		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
p-Chlorotoluene	77277		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
tert-Butylbenzene	77353		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,2,4-Trimethylbenzene	77222		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
sec-Butylbenzene	77350		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
p-Isopropyltoluene	77356		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
m-Dichlorobenzene	34566		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
n-Butylbenzene	77342		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,2-Dibromo-3-chloropropane	38760		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Hexachlorobutadiene	38702		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
Naphthalene	34696		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
1,2,3-Trichlorobenzene	77613		EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	
2-Methoxy-2-methyl-propane			EPA 524.2	Not Detected		ug/L	0.50	RC1	7/14/2011	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
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Microbiology:	Avionne Fortner	678-248-7400

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Prepared in cooperation with the U.S. Department of the Army

Hydrology, Water Quality, and Water-Supply Potential of Ponds at Hunter Army Airfield, Chatham County, Georgia, November 2008–July 2009









Scientific Investigations Report 2009–5265

U.S. Department of the Interior
U.S. Geological Survey

Cover. Photographs of ponds at Hunter Army Airfield, Chatham County, Georgia.

Halstrum Pond

Wilson Gate Pond

Oglethorpe Lake.
Photo by Michael D. Hamrick, USGS.

Golf Course Pond

Hydrology, Water Quality, and Water-Supply Potential of Ponds at Hunter Army Airfield, Chatham County, Georgia, November 2008–July 2009

By John S. Clarke and Jaime A. Painter

Prepared in cooperation with the U.S. Department of the Army

Scientific Investigations Report 2009–5265

U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
KEN SALAZAR, Secretary

U.S. Geological Survey
Marcia K. McNutt, Director

U.S. Geological Survey, Reston, Virginia: 2010

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Conversion Factors and Datums

Multiply	By	To obtain
	Length	
inch	2.54	centimeter (cm)
inch	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	Area	
acre	4,047	square meter (m^2)
acre	0.4047	hectare (ha)
acre	0.4047	square hectometer (hm^2)
acre	0.004047	square kilometer (km^2)
square foot (ft^2)	929.0	square centimeter (cm^2)
square foot (ft^2)	0.09290	square meter (m^2)
square mile (mi^2)	259.0	hectare (ha)
square mile (mi^2)	2.590	square kilometer (km^2)
	Volume	
gallon (gal)	3.785	liter (L)
gallon (gal)	0.003785	cubic meter (m^3)
gallon (gal)	3.785	cubic decimeter (dm^3)
million gallons (Mgal)	3,785	cubic meter (m^3)
	Flow rate	
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
gallon per minute (gal/min)	0.06309	liter per second (L/s)
gallon per day (gal/d)	0.003785	cubic meter per day (m^3/d)
million gallons per day (Mgal/d)	0.04381	cubic meter per second (m^3/s)
inch per year (in/yr)	25.4	millimeter per year (mm/yr)

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$°C = (°F - 32) / 1.8$$

Vertical coordinate information is referenced to the North American Vertical Datum of 1988 (NAVD 88).

Horizontal coordinate information is referenced to North American Datum of 1983 (NAD 83).

Altitude, as used in this report, refers to distance above the vertical datum.

Specific conductance is given in microsiemens per centimeter at 25 degrees Celsius (µS/cm at 25 °C).

Concentrations of chemical constituents in water are given either in milligrams per liter (mg/L) or micrograms per liter (µg/L).

Hydrology, Water Quality, and Water-Supply Potential of Ponds at Hunter Army Airfield, Chatham County, Georgia, November 2008–July 2009

By John S. Clarke and Jaime A. Painter

Abstract

The hydrology, water quality, and water-supply potential of four ponds constructed to capture stormwater runoff at Hunter Army Airfield, Chatham County, Georgia, were evaluated as potential sources of supplemental irrigation supply. The ponds are, Oglethorpe Lake, Halstrum Pond, Wilson Gate Pond, and golf course pond. During the dry season, when irrigation demand is highest, ponds maintain water levels primarily from groundwater seepage. The availability of water from ponds during dry periods is controlled by the permeability of surficial deposits, precipitation and evaporation, and the volume of water stored in the pond. Net groundwater seepage (*Gnet*) was estimated using a water-budget approach that used onsite and nearby climatic and hydrologic data collected during November–December 2008 including precipitation, evaporation, pond stage, and discharge.

Gnet was estimated at three of the four sites—Oglethorpe Lake, Halstrum Pond, and Wilson Gate Pond—during November–December 2008. Pond storage volume in the three ponds ranged from 5.34 to 12.8 million gallons. During November–December 2008, cumulative *Gnet* ranged from –5.74 gallons per minute (gal/min), indicating a net loss in pond volume, to 19 gal/min, indicating a net gain in pond volume. During several periods of stage recovery, daily *Gnet* rates were higher than the 2-month cumulative amount, with the highest rates of 178 to 424 gal/min following major rainfall events during limited periods. These high rates may include some contribution from stormwater runoff; more typical recovery rates were from 23 to 223 gal/min.

A conservative estimate of the volume of water available for irrigation supply from three of the ponds was provided by computing the rate of depletion of pond volume for a variety of withdrawal rates based on long-term average July precipitation and evaporation and the lowest estimated *Gnet* rate at each pond. Withdrawal rates of 1,000, 500, and 250 gal/min were applied during an 8-hour daily pumping period. At a withdrawal rate of 1,000 gal/min, available pond volume would be depleted in 13–29 days, at a rate of 500 gal/min in 24–60 days, and at a rate of 250 gal/min, in 44 to 130 days. In each case, Halstrum Pond had the largest amount of available pond volume.

The water-supply potential at the golf course pond was assessed by measuring flow downstream from the pond during February–July 2009, and examining historic stormflow measurements collected during 1979–87. Streamflow during both of these periods exceeded average daily (2005–2007) golf course water use. Assuming an 8-hour daily irrigation period, the average discharge rate required to meet Golf Course water demand during peak demand months of March–May and July–October exceeds 200 gal/min, with the greatest rate of 531 gal/min during July. During February–July 2009, daily average streamflow downstream of the golf course pond exceeded 238 gal/min 90 percent of the time.

Based on samples collected for chemical analysis during April 2009, water from all four ponds at Hunter Army Airfield is fresh and suitable for irrigation supply, with chloride concentrations below 12 milligrams per liter. With the exception of iron in Wilson Gate Pond, constituent concentrations are below U.S. Environmental Protection Agency primary and secondary drinking water maximum contaminant levels. Water in Wilson Gate Pond contained an iron concentration of 419 mg/L, which exceeds the secondary maximum contaminant level of 300 micrograms per liter. Although not a health hazard, when the iron concentration exceeds 300 micrograms per liter, iron staining of sidewalks and plumbing fixtures may occur. Levels of dissolved oxygen were below the Georgia Environmental Protection Divison standard of 4 milligrams per liter for waters supporting warm-water fishes at deeper depths in Oglethorpe Lake, Wilson Gate Pond, and Halstrum Pond, and in the composite sample at the golf course pond.

Introduction

The Upper Floridan aquifer is the principal source of water in the coastal area of Georgia, but declining water levels and localized occurrences of salt-water contamination have resulted in restricted ("capped") withdrawals from the Upper Floridan aquifer in parts of the coastal area and have spurred interest in developing supplemental sources of water. To meet the growing water demand at Hunter Army Airfield (HAAF) in Chatham County, Georgia, four ponds—Oglethorpe Lake, Halstrum Pond, Wilson Gate Pond, and golf course pond—are being considered as possible sources of supplemental irrigation supply (fig. 1). To assess the water-supply potential and water quality of these ponds, the U.S. Geological Survey (USGS), in cooperation with the U.S. Department of the Army, conducted field investigations during November 2008–July 2009.

Purpose and Scope

This report describes results of investigations to evaluate the water-supply potential at pond sites at HAAF, Georgia. Included are

- Descriptions of local site setting and pond bathymetry;
- Estimates of the volume of water stored in Oglethorpe Lake, and Halstrum and Wilson Gate Ponds over a range of stages;
- Estimates of net groundwater seepage derived from water-budget analyses and pond-discharge tests for Oglethorpe Lake, and Halstrum, and Wilson Gate Ponds under dry climatic conditions;
- Estimated flow rates downstream from the discharge weir at golf course pond; and
- Determination of suitability of pond water quality for irrigation purposes.

Data collection included installation of stage recorders in Oglethorpe Lake, and Halstrum and Wilson Gate Ponds, and in the canal draining the golf course pond. Precipitation was monitored using new raingages installed at Ogtlethorpe Lake and Halstrum Pond, and existing raingages used for stormwater monitoring at Wilson Gate and golf course ponds. Evaporation estimates were obtained from an existing Georgia Automated Environmental Monitoring Network (GaEMN) site, the Bamboo Farm in Chatham County, about 8–9 miles to the west of the study area (Georgia Automated Environmental Monitoring Network, 2009). Stream-discharge measurements were made over a range of conditions to establish a stage-discharge rating at the golf course pond drainage canal. Water samples were collected and analyzed for major ions and nutrients from each of the four ponds during April 2009.

Previous Study

Clarke and Abu Rumman (2004) described results of investigations to evaluate the water-supply potential at seepage pond sites at Brunswick, in Glynn County, and in southern Bulloch County, Georgia. This study included descriptions of the hydrogeologic setting, estimates of a hydrologic budget and groundwater seepage rates, development and calibration of steady-state and transient groundwater flow models, and an assessment of water availability based on pond pumping tests and simulation results. Their study concluded that the availability of water from seepage ponds is controlled by the permeability of surficial deposits, the amount of precipitation recharging the groundwater system, and the volume of water stored in the pond. At both sites, most groundwater seepage entered the pond following major rainfall events that provided recharge to the surficial aquifer. The ponds at HAAF are located in a setting similar to the Glynn County site. At the Glynn County site, Clarke and Abu Rumman (2004) reported that net groundwater seepage, estimated using water-budget analysis and simulation, ranged from –11.5 to 15 gallons per minute (gal/min) during August 1999 to May 2000. Simulated values during pond pumping tests indicate that groundwater seepage increases with decreased pond stage. At the Glynn County pond, simulated net groundwater seepage increased from 7.8 to 103 gal/min in response to a 2-foot (ft) decrease in pond stage caused by pumping.

Description of Study Area

HAAF is located in western Chatham County, Georgia (fig. 1), in the Coastal Lowlands physiographic division (LaForge and others, 1925), near the Atlantic Ocean, in an area characterized by low relief and high-permeability sandy soils. Sandy soils compose the surficial aquifer, which is recharged by precipitation and discharges water to ponds, wetlands, and surface streams in the area. During dry periods, excavated ponds, such as those at HAAF, derive water primarily from groundwater seeping into the pond, in a manner similar to a dug or bored well completed in a surficial aquifer.

Four ponds constructed to capture stormwater runoff at HAAF were evaluated as potential sources of supplemental irrigation supply—Oglethorpe Lake, Halstrum Pond, Wilson Gate Pond, and golf course pond (fig. 1). Oglethorpe Lake, and Halstrum and Wilson Gate Ponds range in area from 4.6 to 9.5 acres, and in maximum depth from about 6 to 16 ft. Area and depth of the golf course pond were not delineated because streamflow records were used as a basis for evaluation and a detailed water budget analysis was not required. More detailed descriptions of individual ponds are provided in later sections of the report.

The study area has a mild climate with warm, humid summers and mild winters. Long-term climatic patterns in the area are provided by records from the National Weather Service Station at Savannah International Airport (097847).



Figure 1. Location of selected ponds in the Hunter Army Airfield area, Chatham County, Georgia.

During 1971–2000, precipitation at station 097847 averaged about 49 inches per year (in/yr). Maximum monthly rainfall (exceeding 4 inches per month) generally occurs during June–September, with monthly rainfall totals averaging less than 4 inches during the rest of the year (fig. 2). Mean monthly pan evaporation at station 097847 during 1965–2003 ranged from 2.43 to 8.49 inches per month, with the greatest evaporation during April–August. Monthly total precipitation and the cumulative departure from long-term average or "normal" precipitation for January 2005–May 2009 at station 097847 is shown in figure 3. Precipitation data indicate that pond water-budget evaluations at HAAF were conducted during a period of largely above-normal precipitation in November–December 2008, after a period of below-normal precipitation during January–September 2008.

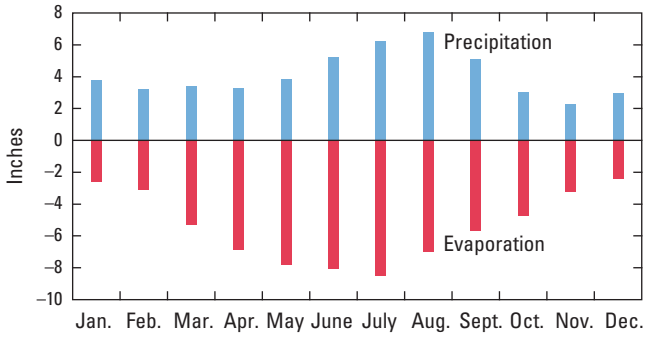


Figure 2. Mean monthly precipitation (1971–2000) and mean monthly pan evaporation (1965–2003) at National Weather Service Station 097847, Savannah International Airport, Georgia.

Acknowledgments

The authors appreciate the assistance of the U.S. Department of the Army and its contractors for providing onsite support and data. Special thanks to Eric Stulpin, Stanley Thomas, Tressa Williams, and Nathaniel Williams, II, of the U.S. Army Environmental Protection and Compliance Branch. Rachael Hallman, U.S. Army Fish and Wildlife Branch, provided support in measuring pond bathymetry and releasing water from ponds.

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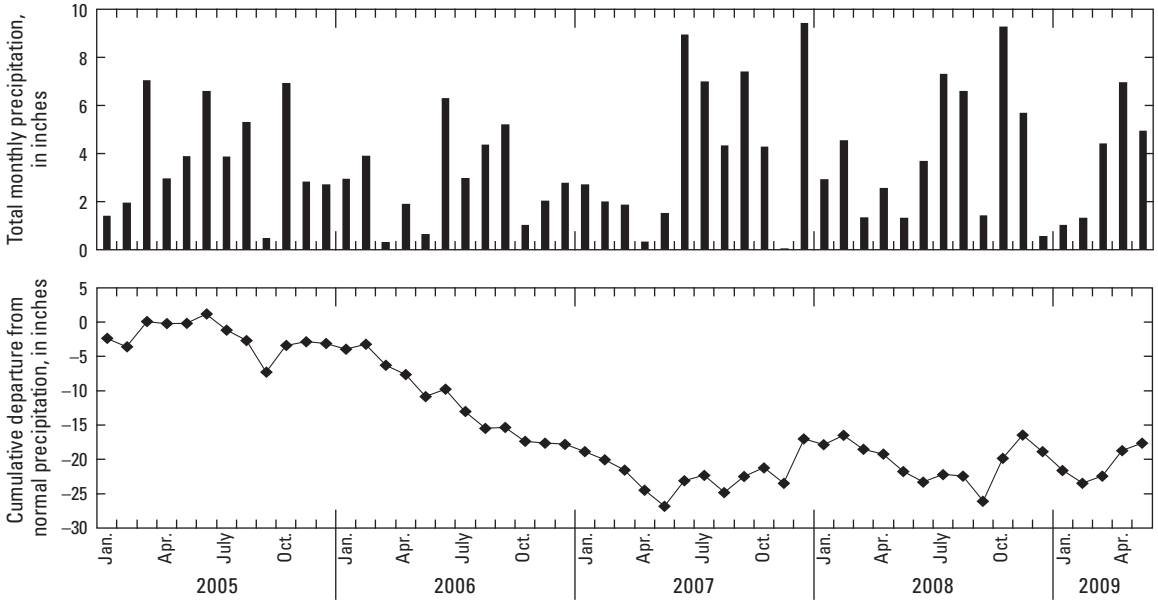


Figure 3. Total monthly precipitation and cumulative departure from normal (1971–2000) precipitation at National Weather Service Station 097847, Savannah International Airport, Georgia, 2005–2009.

Approach

This study investigated water availability and water quality at four pond sites at HAAF, which included:

- Determination of the volume of water stored in Oglethorpe Lake, Halstrum Pond, and Wilson Gate Pond under a range of stage conditions;
- Measurement of streamflow discharging from the golf course pond and development of a stage-discharge relation to determine flow rates over a range of climatic conditions;
- Estimating net groundwater seepage by developing hydrologic budgets for Oglethorpe Lake and Halstrum and Wilson Gate Ponds; and
- Sampling and analysis for pond water quality.

Determination of Pond Volume and Area

Digital maps of pond bathymetry in Oglethorpe Lake, and Halstrum and Wilson Gate Ponds were developed based on bathymetric surveys conducted during December 2008 and April 2009 by the USGS. Bathymetric surveys were conducted using a fathometer linked to a global positioning system with horizontal accuracy of 11–13 ft and depth accuracy of at least 1 centimeter (0.39 inch). Point data were imported into ArcMap™ and converted into a point feature dataset. Upon spatial review of bathymetric depths, some discrepancies in the pond floor were apparent in certain areas. These discrepancies were possibly due to the fathometer signal being interrupted by a tree stump, resulting in significant variation in depths among adjacent data points (in some case 1 ft or more.) Because of the high frequency of fathometer soundings and the belief that a subset of the data would eliminate many of these depth discrepancies, a subset of fathometer soundings was derived using the ArcGIS™ Geostatistical Analyst tool, "Create Subsets." This subset routine uses a random sample of the dataset based on a user-designated percentage criteria. For this study, a 50-percent criterion was designated whereby one-half of the fathometer measurements were used for the bathymetric surface generation at the three ponds.

Bathymethric surfaces were generated by using the ArcGIS™ 3D Analyst raster interpolation, "Spline with Barriers" tool. This tool allowed the generated raster to be restricted to the pond perimeter. The cell size used for contouring was 1 meter by 1 meter (3.21 by 3.21 ft); contours were generated at a 1-ft interval. Once a surface was generated using the subset of field measurements, the surface was compared to the entire dataset and minor manual modifications were made.

To calculate and project pond volume and surface area for a range of pond stages, a triangulated irregular network (TIN) was generated using the bathymetric contours. The ArcGIS™ 3D Analyst, Functional Surface, "Surface Volume" tool takes the altitude TIN and examines each individual triangle to determine its contribution to the area and volume. The tool requires the input of the elevation TIN along with user decisions to calculate below or above a defined reference plane or altitutde. The results are written to a text file. These data, computed using the geographic information system (GIS) for selected stage values, served as a basis to determine continuous relations between pond stage and volume using a second- or third-order polynomial regression of pond stage and pond volume. Similarly, relations between pond stage and surface area were developed using a second-order polynomial regression of pond stage and pond area. Changes in pond volume and surface area were computed by comparing values at different pond stages.

Estimation of Net Groundwater Seepage

The water-supply potential of a pond is dependent on the volume of water stored in the pond, precipitation and evaporation, surface-water runoff, and the rate of groundwater seepage into the pond. Figure 4 is a schematic diagram showing a conceptualization of groundwater flow and components of the water budget in the vicinity of a typical pond at HAAF. Groundwater seepage represents water either entering or leaving a pond as the result of hydraulic gradients between the aquifer and the pond. Net groundwater seepage (*Gnet*) is the difference between groundwater inflow minus outflow—when positive, more groundwater enters than leaves the pond; when negative, more groundwater leaves than enters the pond (Clarke and Abu Rumman, 2004). Rates and directions of groundwater seepage vary depending on groundwater levels and pond stage and related changes in hydraulic gradient and cross-sectional area. Decreased pond stage or increased groundwater levels result in an increased hydraulic gradient toward the pond and increased rates of seepage to the pond. Increased pond stage results in a decreased or reversed hydraulic gradient, whereby seepage to the pond is either decreased or reversed.

A simplified hydrologic budget for three ponds was developed to estimate *Gnet* and provide an indication of the volume of water available for irrigation during dry periods. The water budget used measurements of precipitation, evaporation, pond discharge, and pond-volume changes to estimate *Gnet*. A pond hydrologic budget was developed based on daily data using equation 1 (modified from Clarke and Abu Rumman, 2004):

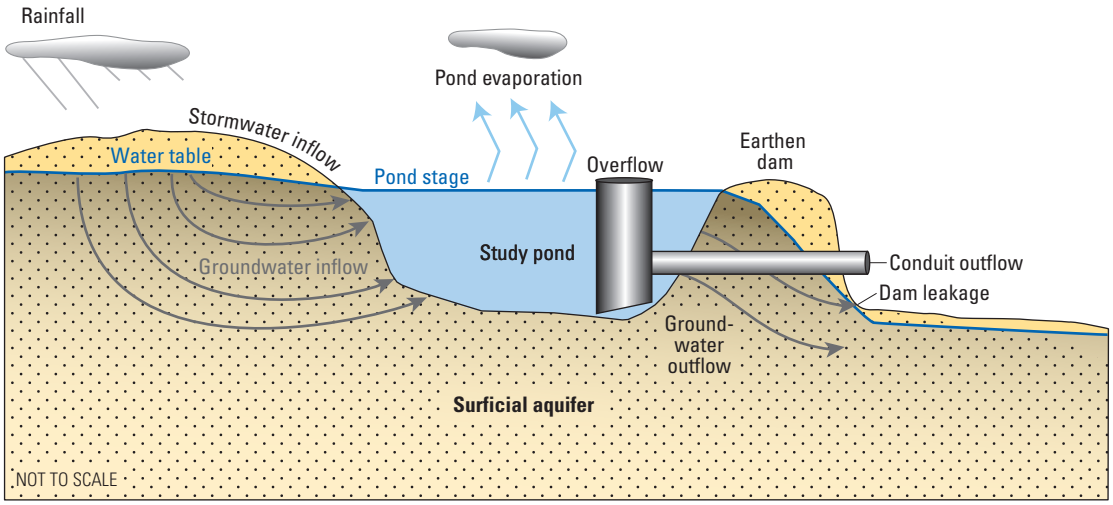


Figure 4. Conceptual model of pond-aquifer flow for coastal area seepage ponds.

$$Gnet = \Delta V + E - P - S + Q \pm \varepsilon, \quad (1)$$

where

- ΔV is the daily pond volume change, in million gallons,
- E is daily evaporation from the pond, in million gallons,
- P is daily precipitation falling over the pond, in million gallons,
- S is daily surface-water runoff, in million gallons (assumed 0, see below),
- Q is daily discharge and pond leakage, in million gallons, and
- ε is the error associated with the estimate.

Surface-water runoff was considered negligible due to permeable soils and low relief, and because the study was conducted during a mostly dry period. Volumetric estimates of precipitation and evaporation were computed by multiplying total daily precipitation or evaporation (in volume per unit surface area) by pond surface area.

Evaporation estimates were based on evapotranspiration computed at an existing GaEMN site, Bamboo Farm, in Chatham County, about 8–9 miles to the west of the study area (Georgia Automated Environmental Network, 2009). Sensors at this weather station measure air temperature, relative humidity, wind speed and direction, net and total solar radiation, barometric pressure, precipitation, and soil temperature at 2-, 4-, and 8-inch depths. GaEMN estimates potential evapotranspiration from these data using the Priestley-Taylor method (Stewart and Rouse, 1976).

To induce a change in pond stage and assess higher rates of *Gnet* when there is a larger hydraulic gradient between the surficial aquifer and the pond (Clarke and Abu Rumman, 2004), water was released (discharged) from Halstrum Pond and Oglethorpe Lake. To lower stage, water was discharged from the dam gate valve to a downstream location where infiltration did not affect test results.

Quantification of measurement errors of each water-budget component provides a measure of the reliability or accuracy of the hydrologic budget as a predictive tool (Lee and Swancar, 1997). Field measurements have an associated error depending on the method of measurement. Because *Gnet* is estimated from several different types of field measurements, the total error associated with its estimation is an accumulation of errors of the various measurements. The error (ε) for *Gnet* can be described using the following equation (Lee and Swancar, 1997) that accounts for percentage error of each parameter used in the computation:

$$\varepsilon_{Gnet} = \sqrt{[(\%\varepsilon P \times P)^2 + (\%\varepsilon E \times E)^2 + (\%\varepsilon V \times V)^2 + (\%QV \times Q)^2]}, \quad (2)$$

where

- ε_{Gnet} is the error in *Gnet* in million gallons,
- $\%\varepsilon P$ is the percentage error in precipitation,
- $\%\varepsilon E$ is the percentage error in evaporation,
- $\%\varepsilon V$ is the percentage error in pond volume,
- $\%QV$ is the percentage error in discharge, and
- P, E, V, and Q are as defined for equation 1.

Pond volume changes were assigned a 5-percent error, and precipitation was assigned a 15-percent error based on a study by Winter (1981). At Wilson Gate Pond, an additional 5-percent error was added to precipitation values (total error 20 percent) because part of the data was estimated based on a regression analysis. Pond discharge was assigned an error of 10 percent at each of the ponds, with the exception of Oglethorpe Lake, which was assigned an error of 25 percent because of leakage through the earthen dam. An additional source of error is any water contributed to the pond by stream runoff, which could lead to large *Gnet* values during rainfall periods.

Errors associated with evaporation estimates are difficult to quantify. Factors affecting the accuracy of the estimate include the distance of the GaEMN site from HAAF (8–9 miles), and the method used to estimate evapotranspiration by GaEMN. Mosner and Aulenbach (2003) conducted an assessment of methods used to estimate evapotranspiration at Lake Seminole in southwestern Georgia. Mosner and Aulenbach (2003) compared four methods used to estimate evaporation—including the Priestley-Taylor method used by the GaEMN to estimate evapotranspiration for this study—to the energy budget method, which is recognized as the one of the most accurate methods for determining lake evaporation (Winter, 1981). Their study concluded that estimates computed using the Priestley-Taylor method as computed by the GaEMN were generally lower than values computed using the energy-budget method, with an average error of –18.7 percent, and monthly errors ranging from –83.2 to +0.5 percent. Errors were largest during September–March, with a mean error of 46.5 percent. Because studies at HAAF were conducted during the winter months, an error of 50 percent was assumed for evaporation estimates. Fortunately, evaporation was low during the study period (fig. 2), so the influence of such a large error factor on estimation of *Gnet* was minimal.

Discharge Measurements

Pond discharge was measured using a circular orifice weir at Halstrum Pond, and by making stream-discharge measurements using a Price AA current meter at Oglethorpe Lake. A continuous stream stage recorder was installed in the drainage canal downstream from the discharge weir at the golf course pond to enable estimation of stream discharge. Stream-discharge measurements at this site were taken over a range of stage conditions to develop a best-fit line or “rating” based on visual examination of stage-discharge data using procedures described in Rantz and others (1982).

Determination of Pond Water Quality

Water samples were collected from each of the four pond sites in April 2009 to assess basic water quality. At Oglethorpe Lake, Halstrum Pond, and Wilson Gate Pond, field properties—dissolved oxygen, temperature, specific conductance, and pH—were measured at several depths at the deepest part of each pond to determine if there was stratification of the water column. Based on these profiles, samples were collected from the pond at several depths and mixed together using a churn splitter. At the golf course pond, a water sample was collected at a weir, which is the point of discharge from the pond. Water samples were analyzed for major ions and nutrients. These samples represent the non-storm water-quality condition of the ponds. Because the ponds also serve to capture runoff from HAAF during storm events, it is likely that the quality of water changes during such storms.

Hydrology and Water Quality

The hydrology of seepage ponds—including rates of net precipitation (*Pnet*) and *Gnet* and the volume of water stored in the pond—determines the amount of water available for water supply. In addition, suitability of pond water for irrigation purposes may be limited by the quality of water. The following sections describe the bathymetry, water budget, and water quality of seepage ponds located at HAAF.

Oglethorpe Lake

Oglethorpe Lake, also known as pond 29, was constructed in 1985 and covers a 9.5-acre area underlain by sandy soils (fig. 5). The pond is used to capture stormwater and also is used as a fishing pond. The pond, excavated to a maximum depth of about 9 ft, is contained by an earthen dam and captures runoff from Hickam Boulevard, Douglas Street, and Strachan Avenue. Stormwater enters the pond along the eastern shore from a ditch perpendicular to Douglas Street. After periods of prolonged, heavy rainfall, water discharges from the pond through an overflow culvert into a ditch along the western shore, downstream from the dam. Field studies at Oglethorpe Lake were conducted during November 7–December 31, 2008.

Bathymetry and Pond Volume

Bathymetric surveys conducted on December 3, 2008, and April 22, 2009, indicate that the altitude of the bottom of Oglethorpe Lake ranges from about 14 to 21 ft above the North American Vertical Datum of 1988 (NAVD 88; fig. 6). Numerous tree stumps are present along the bottom of the pond. The volume of water stored in Oglethorpe Lake and its surface area varies as pond stage changes. Pond stage was monitored from November 7 through December 31, 2008 (fig. 7). During this period, stage above NAVD 88 ranged from a high of 23.17 ft on November 15, 2008, to a low of 21.37 ft on December 31, 2008. Stage declined during this period largely as the result of leakage from the dam and discharge through an open gate valve.



Figure 5. Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia.

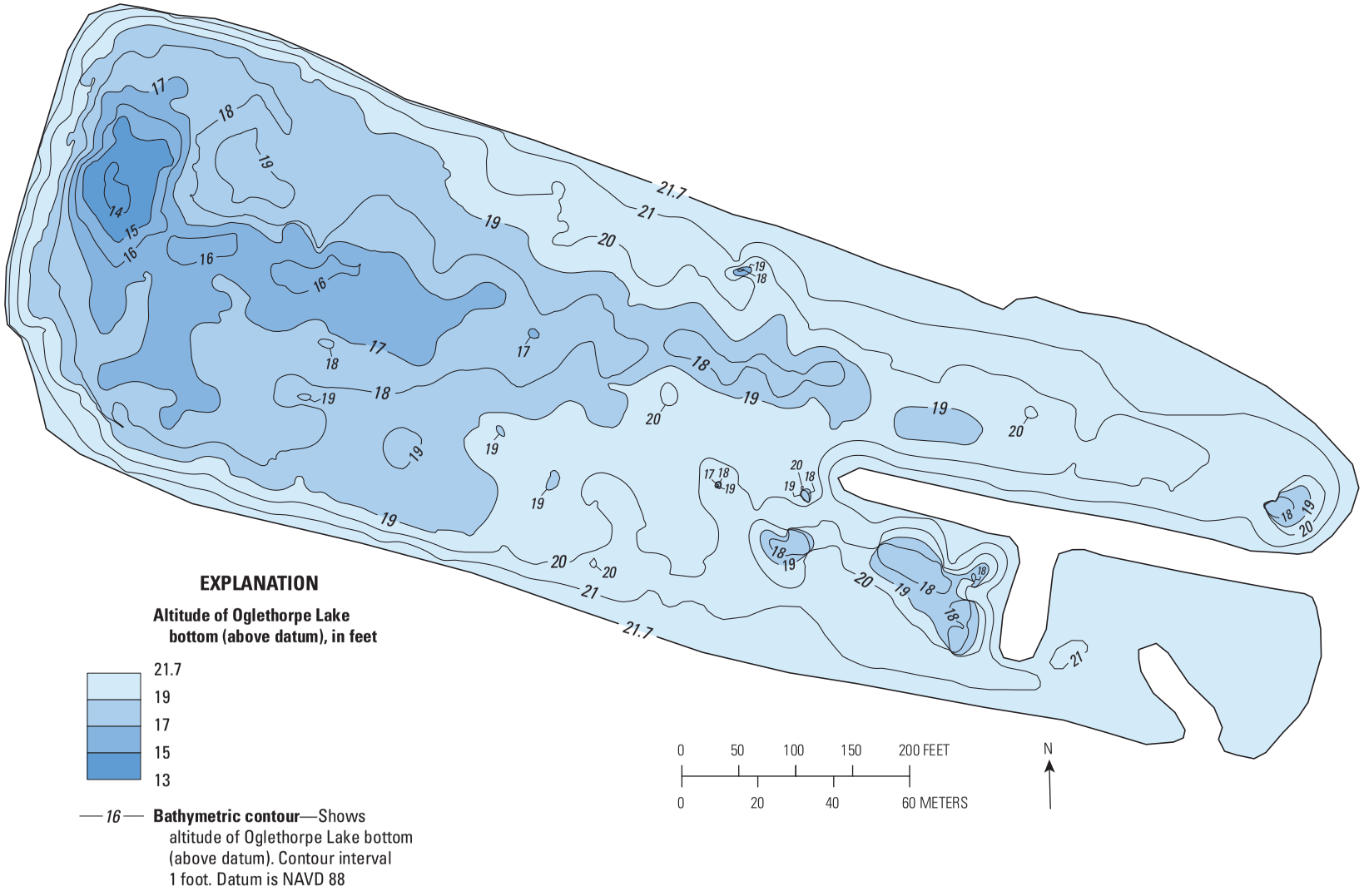


Figure 6. Bathymetry of Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, December 2008 and April 2009.

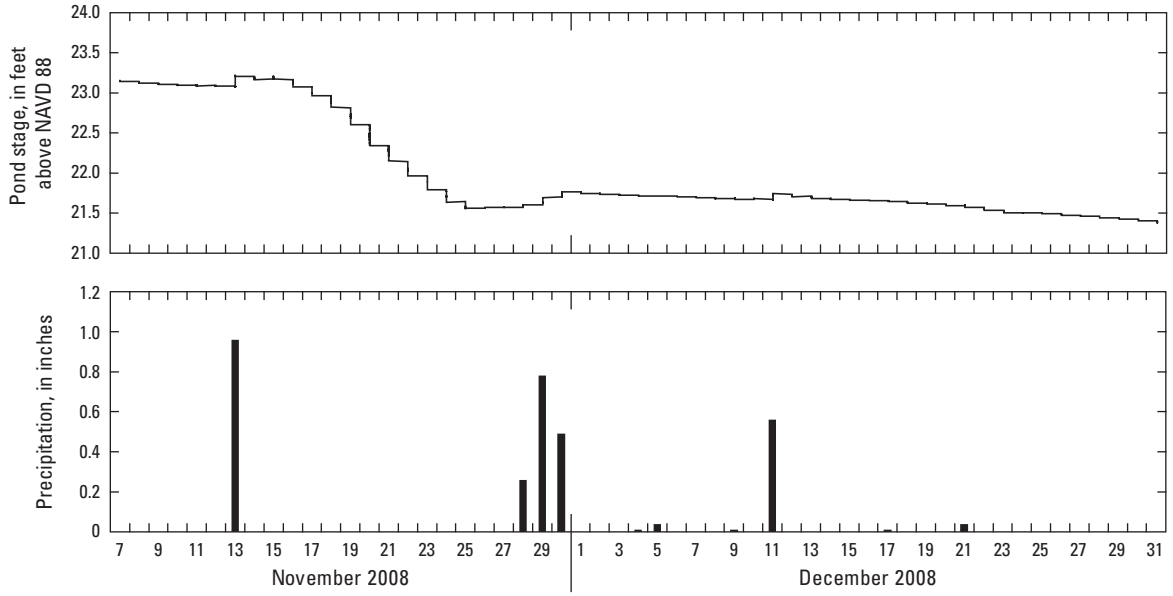


Figure 7. Stage and total daily precipitation at Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, November–December 2008. Stage recorded at 15-minute intervals.

Pond volume and surface area were estimated using third- and second–order polynomial regression models, respectively, over a range of pond stages (fig. 8). At the highest recorded stage of 23.17 ft above NAVD 88 on November 15, the volume of water stored in the pond was about 7.28 million gallons (Mgal), covering a surface area of 415,379 square feet (ft^2) or 9.53 acres. At the lowest recorded stage of 21.37 ft above NAVD 88 on December 31, the volume of water in the pond was about 6.26 Mgal, covering a surface area of 372,588 ft^2 (8.55 acres)

Water Budget

A simplified water budget was developed for Oglethorpe Lake based on daily pond stage, precipitation, evaporation, and discharge data collected during November 7–December 31, 2008 (fig. 9). During this period, precipitation was limited to storms during November 13 and 28–30 and December 5, 11, and 21. Daily evaporation at the GaEMN Bamboo Farm site, ranged from 0.01 to 0.08 inch during November 7–December 31, 2008.

The water budget for the pond can be expressed in terms of gains and losses to pond volume (fig. 9). Pond discharge is reflected as a loss to pond volume and is indicated by a negative value. *Pnet* is the difference between precipitation and evaporation, which provides an indication of the net gain (+) or loss (–) of water to the pond when computed with *Gnet* and pond discharge. *Pnet* and *Gnet* can be either positive (reflecting gains to pond volume) or negative (reflecting a loss to pond volume). During the study period, values of *Pnet* were largely

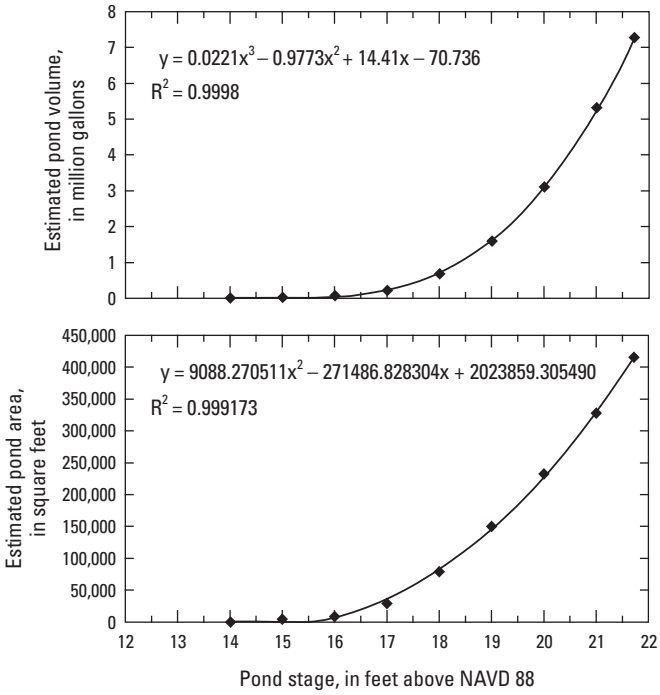


Figure 8. Relation of pond stage to computed volume and surface area, and regression fit of data, Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia.

negative, indicating more water was leaving the pond from evaporation than entering it from precipitation. Exceptions occur when *Pnet* values were positive during rainfall events.

To induce a change in pond stage and assess *Gnet*, water was discharged from the pond by opening a gate valve at a culvert along the earthen dam. The valve remained open during November 11–24, 2008, and produced an estimated discharge of 366 gal/min. In addition to this induced discharge, the pond loses water by leakage through the dam. During visits to the site in November 2008, personnnel observed the pond leaking through the earthen dam at a rate of about 280 gal/min to a drainage outlet about 30 ft below the top of the dam (fig. 10). Water was discharging from the lake through small submerged sinkholes located along the pondward side of the earthen dam (fig. 11). The sinkholes were formed as fill material was eroded away by moving water. When additional pond discharge was induced through the culvert, the leakage rate decreased to about 48 gal/min as pond stage was lowered beneath the position of some of the sinkholes. As pond stage rises to the position of the sinkholes, leakage from the pond is expected to increase. Total discharge from Oglethorpe Lake is the sum of culvert discharge and pond leakage (fig. 12). Leakage through the dam at Oglethorpe Lake resulted in less reliable estimates of pond discharge, with actual values likely higher than estimated. For this reason, an error of 25 percent was assigned to discharge values at Oglethorpe Lake.

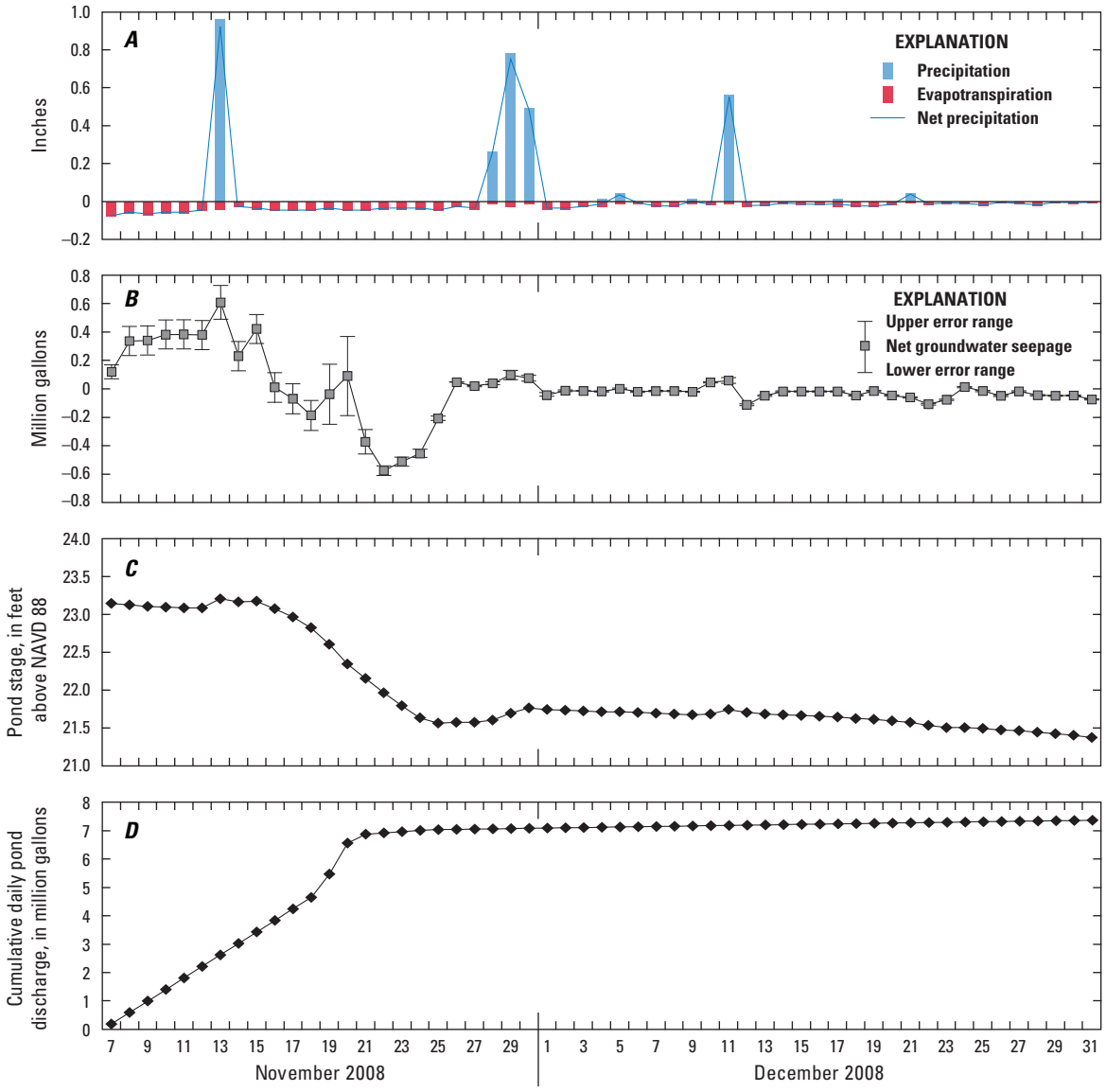


Figure 9. Hydrologic and climatic data at Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, and vicinity, November–December 2008. *(A)* Daily precipitation and net precipitation at Oglethorpe Lake, and estimated daily evapotranspiration at the Bamboo Farm, Georgia Environmental Monitoring Site; *(B)* net groundwater seepage; *(C)* pond stage; and *(D)* cumulative daily pond discharge.



Figure 10. Dam leakage at Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, November 2008. Water is discharging into ditch about 30 feet beneath top of earthen dam at a rate of about 280 gallons per minute. Photograph by John S. Clarke, U.S. Geological Survey.

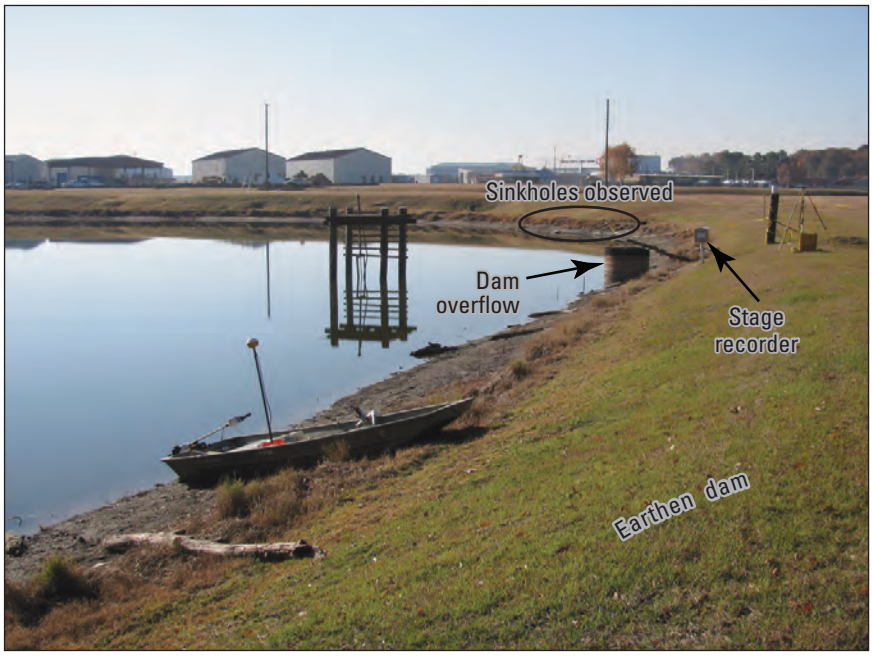


Figure 11. Oglethorpe Lake on December 3, 2008, after stage lowered by 1.42 feet. Circled area is where sinkholes were observed, with water discharging from the pond in several areas. In the foreground is the boat used for bathymetry survey. Photograph by John S. Clarke, U.S. Geological Survey.

During November–December 2008, estimated daily *Gnet* ranged from +0.61 to –0.57 Mgal (fig. 9*B*). The largest computed daily *Gnet* gain (indicated by a positive value) occurred following a rainstorm on November 13, and the largest daily loss (indicated by a negative value) occurred November 22, following an 8-day period of no rainfall. Some of the large *Gnet* gain on November 13 could be attributed to stormwater inflow to the pond.

Discharge from the pond is affected by changes in pond volume, *Gnet*, and *Pnet*. Figure 13 shows cumulative values for change in pond volume, pond discharge, *Pnet*, and *Gnet* during November 7–December 31, 2008. During this period, pond stage was lowered by 1.8 ft, resulting in a loss in pond volume of about 6.7 Mgal. Estimated cumulative discharge from the pond during the same period totaled about 7.4 Mgal. Because the rate of discharge is faster than the change in pond volume, the area between the two lines on figure 13 represents additional discharge provided by *Gnet* and *Pnet*. *Gnet* during this period totaled about 0.24 Mgal, or 36 percent of the additional discharge volume, and *Pnet* was about 0.43 Mgal, or 64 percent of the discharge volume. The 0.24 Mgal volume contributed by *Gnet* during the 55-day study period averages to a rate of only about 3 gal/min. Higher *Gnet* inflows occurred following rainfall events, with the maximum daily value of 0.61 Mgal on November 13, which is equivalent to a rate of 424 gal/min (fig. 9*B*). It is possible that some of the large *Gnet* gains following rainfall events can be attributed to stormwater inflow to the pond. The two longest periods of *Gnet* gains were on November 7–16 and 26–30 (fig. 9*B*):

- During November 7–16, dam leakage of about 3.84 Mgal resulted in a decline in pond stage of 0.07 ft and a loss in pond volume of 0.46 Mgal (figs. 9, 13). One storm event on November 13 resulted in a daily *Pnet* gain of about 0.17 Mgal. *Gnet* during November 7–16 contributed 3.21 Mgal at an average rate of 223 gal/min.

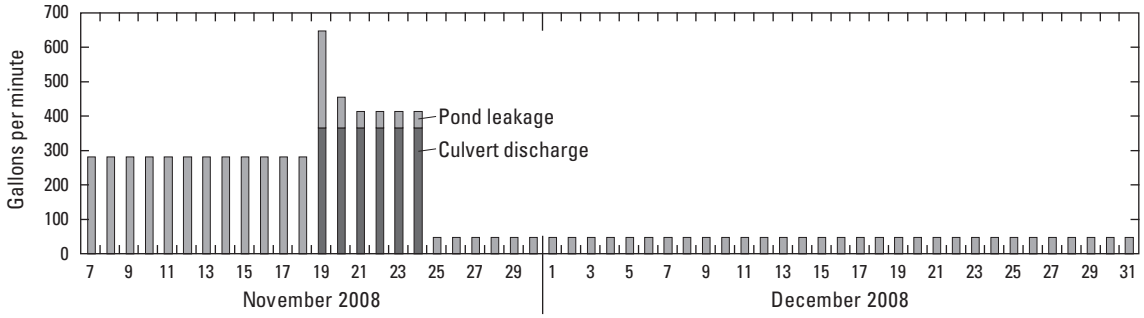


Figure 12. Daily average pond discharge at Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, November 7–December 31, 2008.

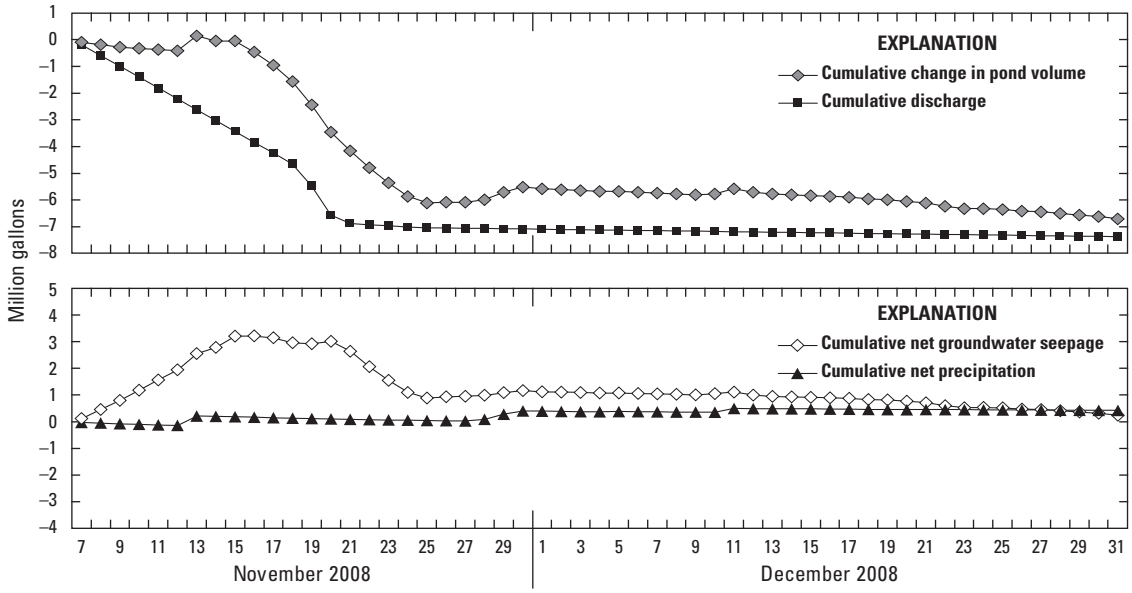


Figure 13. *(A)* Cumulative daily change in pond volume and discharge and *(B)* net precipitation and net groundwater seepage, Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, November–December 2008.

- During November 26–30, pond stage rose by 0.19 ft, resulting in a gain in pond volume of about 0.6 Mgal (figs. 9, 13). This gain in volume occurred despite dam leakage volume loss of about 0.05 Mgal, and was largely the result of precipitation on November 28–30 that resulted in a *Pnet* gain of 0.36 Mgal during this period. *Gnet* contributed 0.28 Mgal over the 3-day period at an average rate of 39 gal/min.

Uncertainty in *Gnet* estmates are due to combined errors associated with precipitation, evaporation, volume, and discharge computed using equation 2. The largest error for daily *Gnet* estimates (0.28 Mgal) occurred November 20, when pond discharge was highest (fig. 9*B*). Because a 25-percent error was assigned to discharge at Oglethorpe Lake, the high discharge on these dates resulted in a larger overall error range. The variation in *Gnet* error was smaller during periods of decreased discharge from the pond.

Water Quality

To assess water quality at Oglethorpe Lake, field properties (specific conductance, dissolved oxygen, water temperature, and pH) were measured at four discrete depths in the deepest area of the pond near the dam on April 22, 2009 (fig. 14). The deepest part of the pond is about 9 ft deep; measurements were collected at 8, 6, 4, and 2 ft. Temperature, pH, and dissolved oxygen gradually decrease with depth. Conversely, specific conductance slightly increases with depth. Levels of pH ranged from 6.3 to 7.2 and were within the Georgia Environmental Protection Division (GaEPD) standard for waters supporting warm-water species of fish of 6.0–8.5 (Georgia Department of Natural Resources, 2005). Levels of dissolved oxygen met the GaEPD standard of 4 milligrams per liter (mg/L) for water supporting warm-water species of fishes (Georgia Department of Natural Resources, 2005), with the exception of the deepest water, measured at 8 ft, which had a dissolved oxygen concentration of only 3.3 mg/L.

A composite water sample was collected on April 22, 2009, from the four depth intervals, and analyzed for the dissolved constituents listed in table 1. Analytical results indicate that water from Oglethorpe Lake is low in dissolved solids and concentrations of most constituents. The water is fresh, with chloride concentration of 3.85 mg/L. Concentrations of analyzed constituents are all within U.S. Environmental Protection Agency primary and secondary maximum contaminant levels (MCLs) for drinking water (U.S. Environmental Protection Agency, 2009).

Table 1. Water quality analysis of ponds at Hunter Army Airfield, Chatham County, Georgia, April 2009.

[<, less than; E, estimated value; —, no data]

Site	Site identification	Sample collection		pH, in standard units		Specific conductance, in microsiemens per centimeter at 25 degrees Celsius		Water temperature, in degrees Celsius
		Date	Time	Field	Lab	Field	Lab	
U.S. Environmental Protection Agency Secondary Maximum Contaminant Level (U.S. Environmental Protection Agency, 2009):								
Halstrum Pond	320006081093901	4/21/2009	1030	5.4	6.2	58	E60	18.5
Golf course pond	320021081074501	4/22/2009	1300	6	6.8	105	108	21.3
Wilson Gate Pond	320051081070601	4/21/2009	1330	5.3	7	86	E88	23.8
Oglethorpe Lake	320143081082701	4/22/2009	1030	6.9	6.7	150	154	20.2

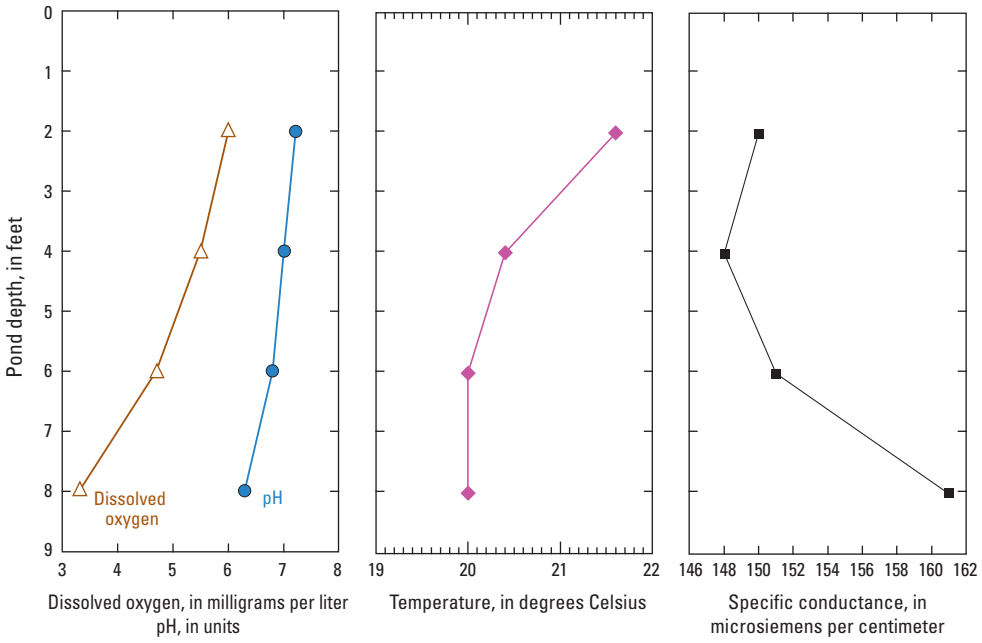


Figure 14. Water-quality profile at Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia, April 22, 2009.

Table 1. Water quality analysis of ponds at Hunter Army Airfield, Chatham County, Georgia, April 2009.—Continued

[<, less than; E, estimated value; —, no data]

Dissolved concentration																
Milligrams per liter															Micrograms per liter	
Dissolved oxygen	Residue on evaporation	Hardness	Calcium	Magnesium	Potassium	Sodium	Alkalinity as $CaCO_3$	Chloride	Fluoride	Silica	Sulfate	Ammonia	Nitrate as N	Ortho-phosphate	Iron	Manganese
14	—	—	—	—	—	—	—	250	24	—	250	—	10	—	300	50
1.3	38	15	3.75	1.39	0.9	4.09	9	6.52	<.08	0.5	5.81	.082	<.04	E.008	224	22.7
3.8	82	36	11.7	1.55	1	5.2	26	7.09	E.05	7.6	12.4	<.020	<.04	.030	211	35.3
5	56	17	5.37	0.9	1.2	9.08	16	12	.11	1.81	4.64	.042	<.04	.078	419	16.2
5	115	64	22.7	1.9	1.8	2.98	60	3.85	E.05	0.16	6.75	E.010	<.04	<.008	84	2.7

[1]Georgia Environmental Protection Division standard for waters supporting warm-water species of fish (Georgia Department of Natural Resources, 2005)
[2]Primary Standard

Halstrum Pond

Halstrum Pond, also known as pond 24, is a 4.6-acre pond constructed in 1968 (fig. 15). The pond has a maximum depth of about 17 ft and is contained by an earthen dam (fig. 16). The pond is used to capture stormwater and is also used as a fishing pond. The pond captures runoff from Perimeter Road to the south and from a drainage ditch located east of the pond. Field studies at Halstrum Pond were conducted during November 10–December 31, 2008.

Bathymetry and Pond Volume

A bathymetric survey conducted on December 4, 2008, indicates the altitude of the bottom of Halstrum Pond ranges from about 11 to 26 ft above NAVD 88 (fig. 17). The volume of water stored in Halstrum Pond and its surface area vary as pond stage changes. Pond stage was monitored from November 10 through December 31, 2008 (fig. 18). During this period, stage above NAVD 88 ranged from a high of 27 ft on November 13, 2008, to a low of 25.7 ft on November 20, 2008. Stage declined during this period largely as the result of discharge through an open gate valve during November 18–20 and rose in response to rainfall events on November 13, 15, 28–30, and December 11.

Pond volume and area were estimated using a GIS and second-order polynomial regression models to provide values for a range of pond stages (fig. 19). At the highest recorded stage of 27 ft above NAVD 88 on November 13, the volume of water stored in the pond was about 12.8 Mgal, covering a surface area of 200,408 ft^2, or 4.6 acres. At the lowest recorded stage of 25.7 ft above NAVD 88 on November 20, the volume of water in the pond was about 10.8 Mgal, covering a surface area of 187,348 ft^2, or 4.3 acres.



Figure 15. Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia.



Figure 16. Halstrum Pond looking westward toward earthen dam, Hunter Army Airfield, Chatham County, Georgia.

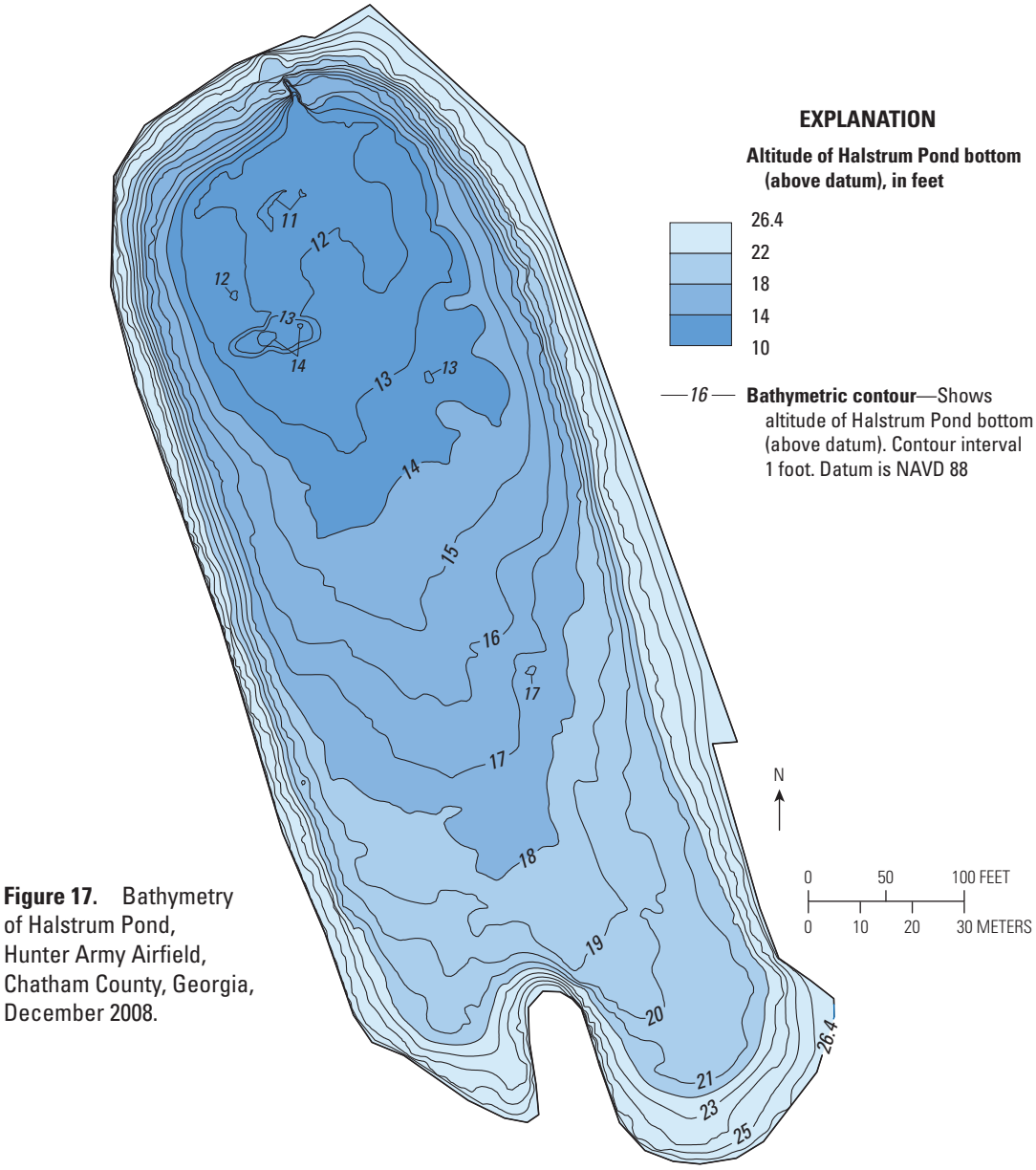


Figure 17. Bathymetry of Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia, December 2008.

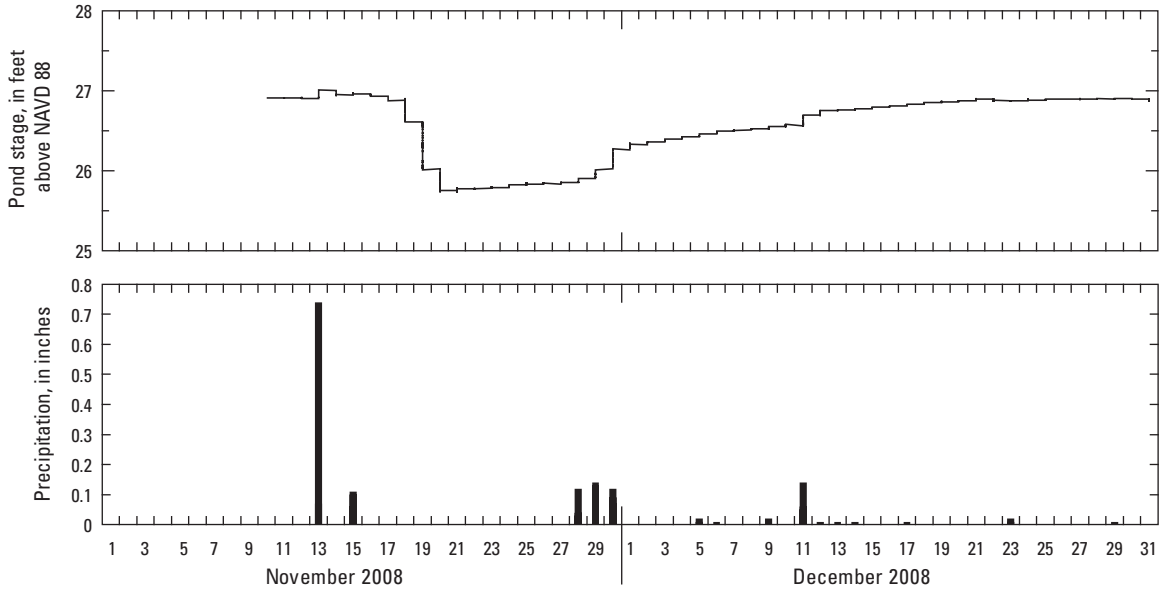


Figure 18. Stage and daily total precipitation at Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia, November–December 2008. Stage recorded at 15-minute intervals.

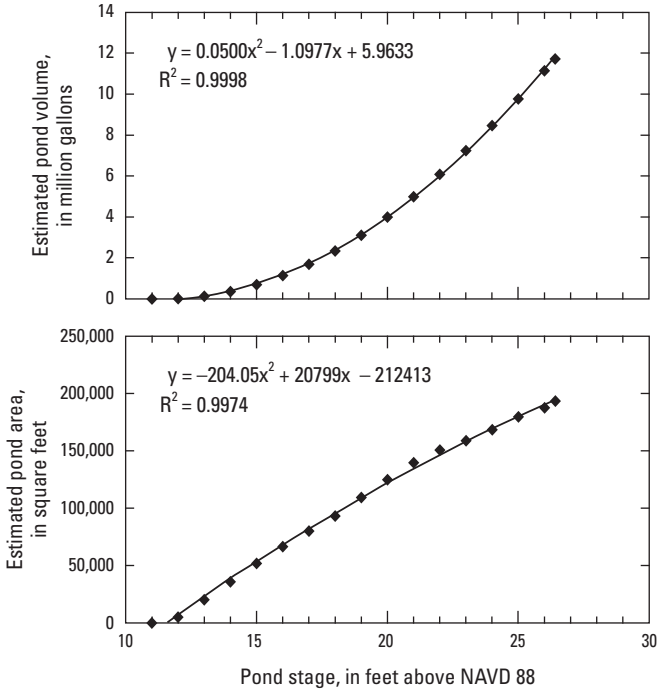


Figure 19. Relation of pond stage to computed volume and surface area, and regression fit of data, Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia.

Water Budget

A simplified water budget was developed for Halstrum Pond based on daily pond stage, precipitation, evaporation, net precipitation, and discharge data collected during November 10–December 31, 2008 (fig. 20). During this period, precipitation was limited to storms during November 13, 15, and 28–30 and December 5, 9, 11–12, 21, and 23. Daily evapotranspiration at the GaEMN site, Bamboo Farm, ranged from 0.01 to 0.06 inch during November 10–December 31, 2008.

During the study period, values of *Pnet* were mostly negative, indicating that more water was leaving the pond from evaporation than entering it from precipitation (fig. 20*A*). Exceptions occurred when *Pnet* values were positive during rainfall events.

To produce a change in pond stage and assess *Gnet*, pond discharge was induced by opening a gate valve at a culvert along the earthen dam. The valve remained open during November 18–20 and produced an estimated discharge of 120–668 gal/min, for an average rate of 0.65 Mgal/d for the 3-day period.

During November–December 2008, estimated daily *Gnet* was mostly positive (reflecting gains in pond volume), ranging from –0.11 to +0.25 Mgal (fig. 20*B*). The largest daily *Gnet* gain (indicated by a positive value) occurred following a rainstorm on November 30, and the largest daily loss (indicated by a negative value) occurred on November 15. The November 15th *Gnet* loss followed rainfall events on November 13 and 15, indicating a possible time lag for rainfall to affect *Gnet*. During the 52-day study period, *Gnet*

contributed a total accumulated volume of 1.34 Mgal, which is equivalent to a rate of 19 gal/min. Higher *Gnet* inflows occurred following rainfall events, with the maximum daily value of 0.25 Mgal on November 30, equivalent to a rate of 175 gal/min. Some of the large *Gnet* gains following rainfall events could be attributed to stormwater inflow to the pond.

Uncertainty in *Gnet* estimates are due to combined errors associated with precipitation, evaporation, volume, and discharge computed using equation 2. The largest daily error for *Gnet* estimates (0.11 Mgal) occurred November 19, when pond discharge was highest. Because a 10-percent error was assigned to discharge at Halstrum Pond, the high discharge on these dates resulted in a larger overall error range. The variation in *Gnet* error was smaller during periods of decreased discharge from the pond.

Discharge from Halstrum pond is affected by changes in pond volume, *Gnet*, and *Pnet*. Figure 21 shows the cumulative values for change in pond volume, pond discharge, *Pnet*, and *Gnet* during November 10–December 31, 2008. During this period, pond stage decreased in response to pond discharge and *Pnet* and *Gnet* losses, and rose in response to gains in *Pnet* and *Gnet* (fig. 20).

A test was conducted during November 18–20 to determine the influence of changes in pond stage on *Gnet* (fig. 21). The test involved opening a gate valve to release water and lower pond stage, while monitoring discharge, pond stage, precipitation, and evaporation. The 3-day test released a total volume of 1.95 Mgal of water, and lowered pond stage by 1.12 ft, resulting in a loss in pond volume of about 1.72 Mgal. Because the volume of pond discharge is 0.24 Mgal higher than

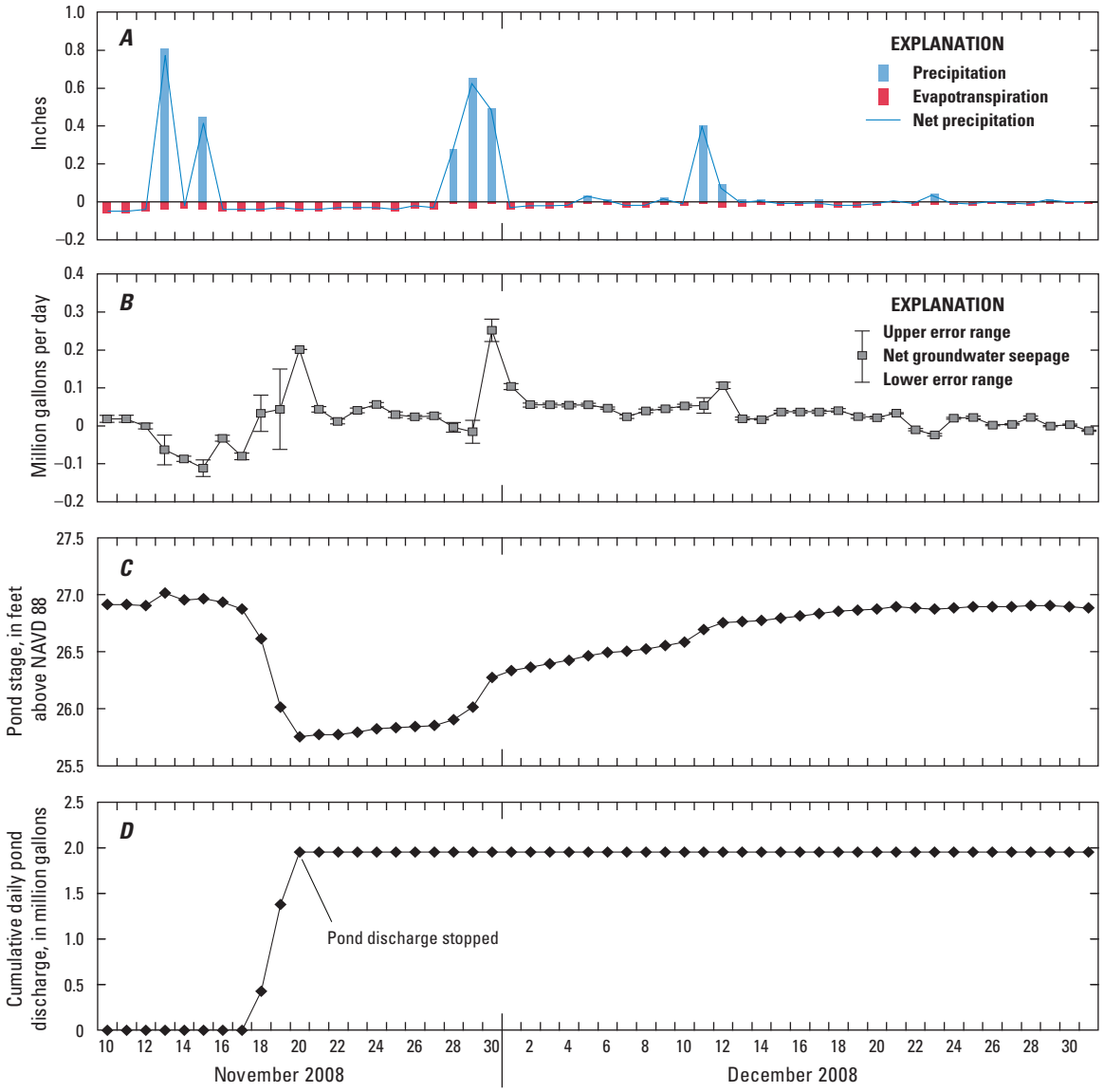


Figure 20. Hydrologic and climatic data at Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia, and vicinity, November–December 2008. *(A)* Daily precipitation and net precipitation at the Halstrum Pond, and estimated daily evapotranspiration at the Bamboo Farm, Georgia Environmental Monitoring Site; *(B)* net groundwater seepage; *(C)* pond stage; and *(D)* cumulative daily pond discharge.

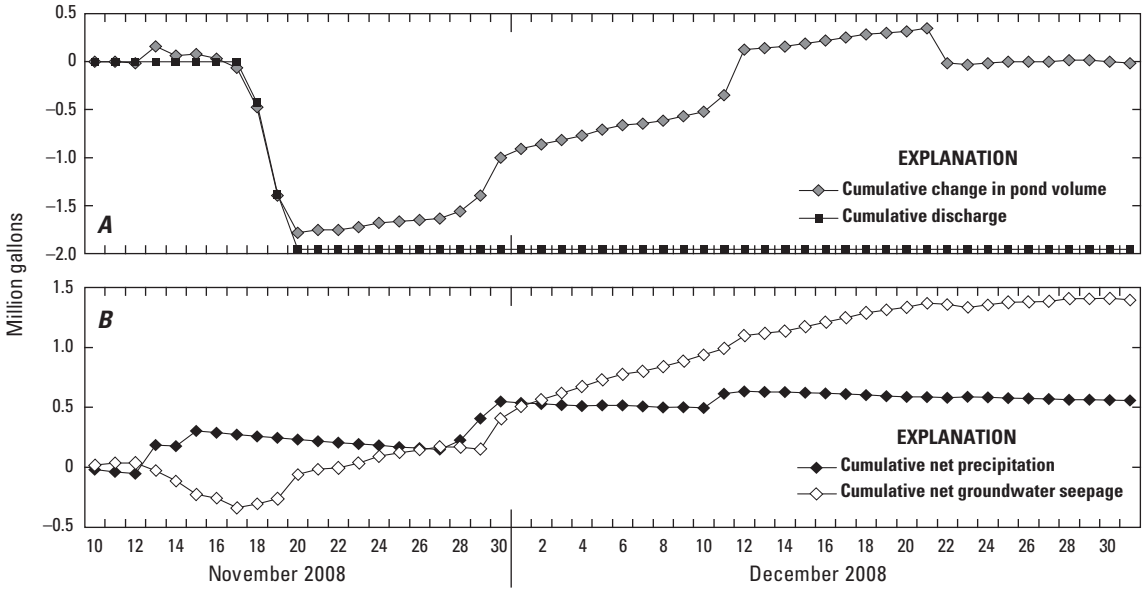


Figure 21. *(A)* Cumulative daily change in pond volume and discharge and *(B)* net precipitation and net groundwater seepage, Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia, November–December 2008.

the change in pond volume, the area between the two lines on figure 21*A* represents additional water provided by *Gnet* and *Pnet*. The total *Pnet* volume during this period was –0.04 Mgal, so that *Gnet* totaled about 0.28 Mgal for a net gain in pond volume of 0.24 Mgal. Over the 3-day period, the average rate of *Gnet* into the pond was 65 gal/min. The pond gate valve was shut off on November 20, and recovery was monitored for a 7-day period of no rainfall (fig. 20). During this period, pond stage rose by 0.1 ft, for an increase in volume of 0.15 Mgal. *Pnet* totalled –0.08 Mgal due to evaporative loss, and *Gnet* contributed 0.23 Mgal. Over the 7-day period, the average rate of *Gnet* into the pond was 0.03 Mgal/d, or 23 gal/min.

Water Quality

To assess water quality at Halstrum Pond, field properties (specific conductance, dissolved oxygen, water temperature, and pH) were measured at eight discrete depths at the deepest part of the pond near the dam on April 22, 2009 (fig. 22). The deepest part of the pond is about 17 ft deep; measurements were collected at 2-ft intervals from 2 to 16 ft. Values of pH and specific conductance vary little with depth, with pH values ranging from 5.3 to 5.6 units and specific conductance ranging from 55 to 89 microsiemens per centimeter (µs/cm). Levels of pH did not meet the GaEPD standard of 6.0–8.5 for waters supporting warm-water species of fish (Georgia Department of Natural Resources, 2005).

Water in the pond shows a decrease in temperature and dissolved oxygen with depth. Temperature was 22.1 degrees Celsius (°C) at a depth of 2 ft and was 14.8 °C at a depth of 16 ft. Dissolved oxygen decreases from a high of 6.2 mg/L at a depth of 2 ft to less than 1 mg/L at depths of 10 ft or greater. At depths of 8 ft and greater, levels of dissolved oxygen did not meet the 4 mg/L GaEPD standard for water supporting warm-water species of fishes (Georgia Department of Natural Resources, 2005).

A composite water sample was collected on April 21, 2009, from the 2- and 12-ft depth intervals and was analyzed for the dissolved constituents shown in table 1. Analytical results indicate water from Halstrum Pond is low in dissolved solids and concentrations of most constituents. The water is fresh, with chloride concentration of 6.52 mg/L. Constituent concentrations are all within U.S. Environmental Protection Agency primary and secondary drinking-water MCLs.

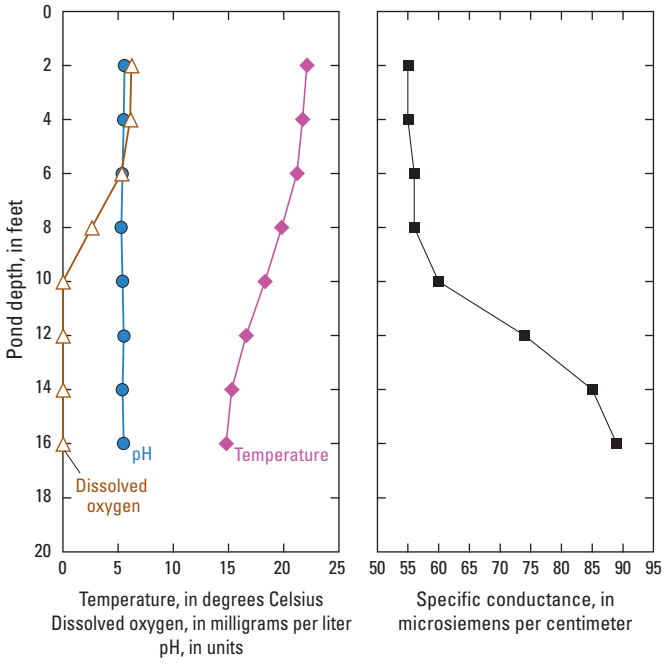


Figure 22. Water-quality profile at Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia, April 21, 2009.

Wilson Gate Pond

Wilson Gate Pond, also known as pond 35, is a 4.7-acre pond (fig. 23) constructed in 1998 with a maximum depth of about 7 ft. The pond serves to capture stormwater runoff from a drainage ditch located along White Bluff Road near the eastern perimeter of the installation and is also used for fishing (fig. 24). Stormwater enters the pond through a four-pipe culvert, and has an overflow discharge pipe that passes beneath North Perimeter Road. A stormwater monitor records precipitation and stream-water-quality properties during storm events.

Bathymetry and Pond Volume

A bathymetric survey conducted on December 2, 2008, indicates that the altitude of the bottom of Wilson Gate Pond ranges from about 8 to 13 ft above NAVD 88 (fig. 25). The volume of water stored in Wilson Gate Pond and its surface area varies as pond stage changes. Pond stage was monitored from November 7 through December 31, 2008 (fig. 26). During this period, stage above NAVD 88 ranged from a high of 13.22 ft on November 30, 2008, to a low of 12.88 ft on November 27, 2008. Rising stage during this period was due to precipitation on November 13, November 28–30, and December 11, and stage declines were largely the result of evaporation and possible discharge from the pond through the culvert.



Modified from U.S. Geological Survey Coastal Imagery
0.5-meter resolution, 2006

Figure 23. Wilson Gate pond, Hunter Army Airfield, Chatham County, Georgia.



Figure 24. Wilson Gate pond from top of earthen dam looking westward, Hunter Army Airfield, Chatham County, Georgia.

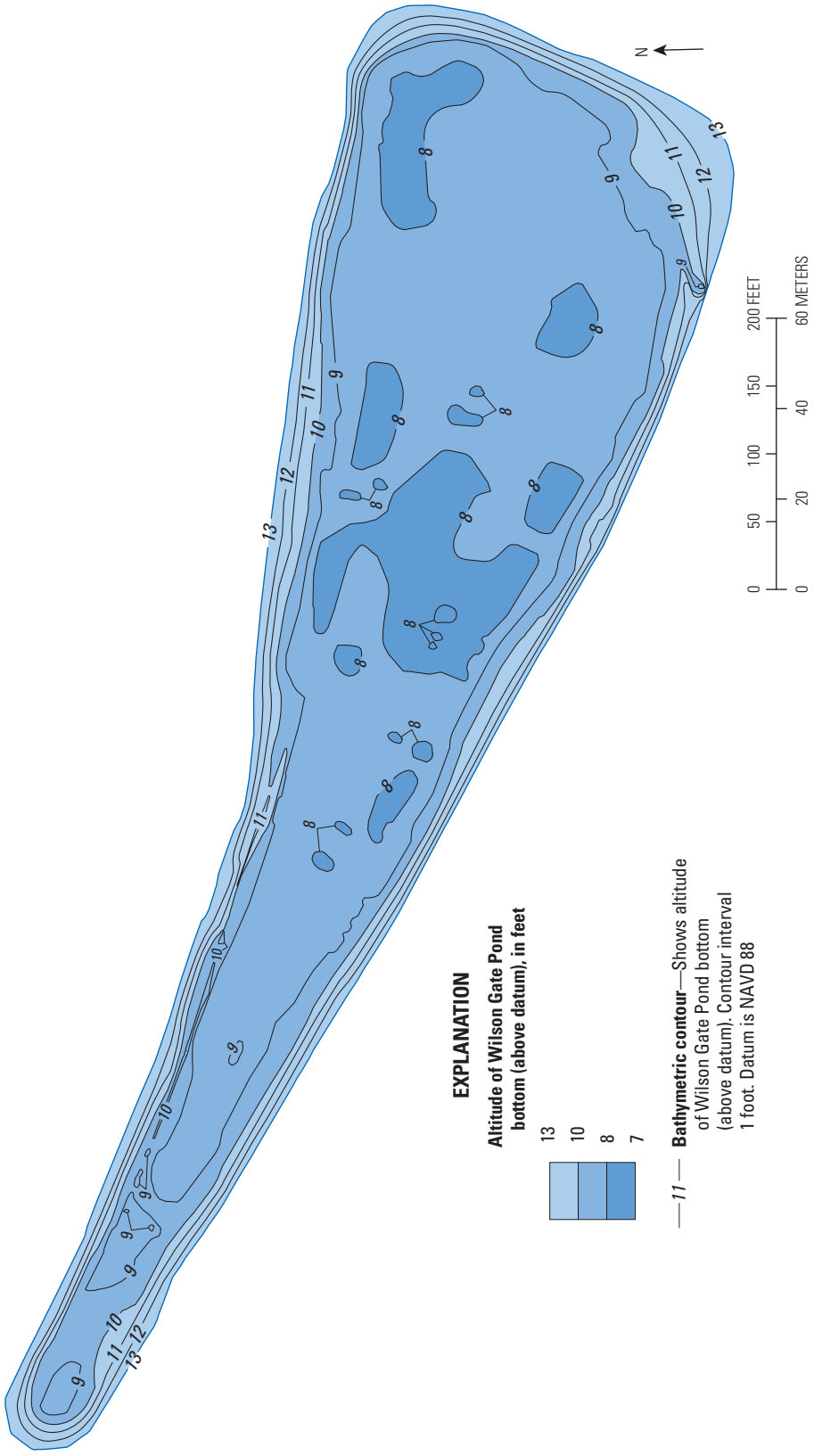


Figure 25. Bathymetry of Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia, December 2008.

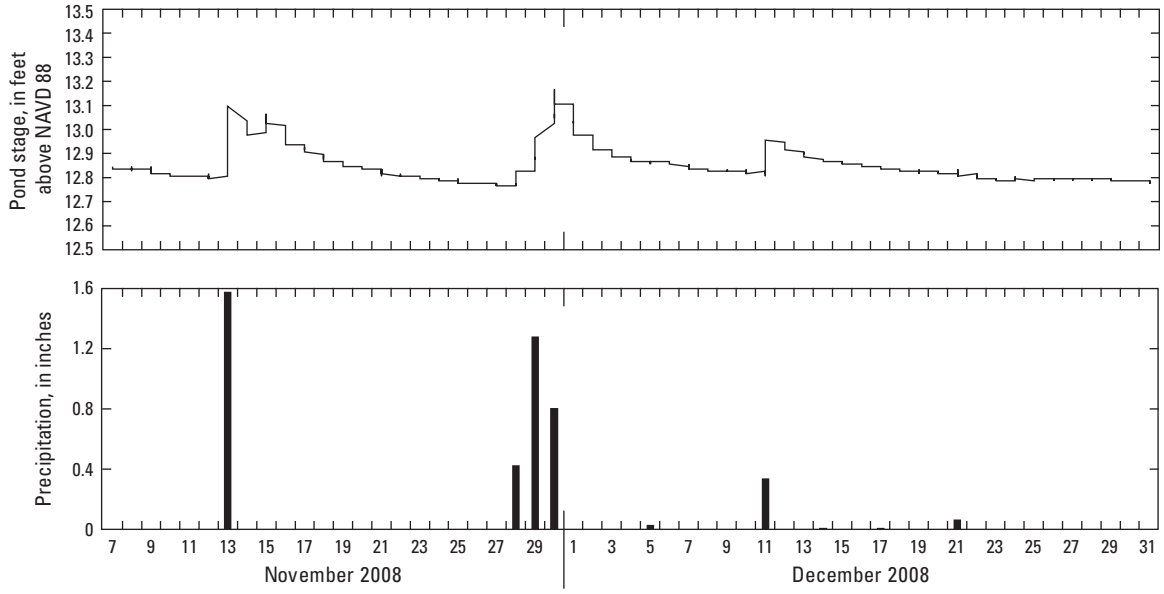


Figure 26. Stage and estimated daily total precipitation at Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia, November–December 2008. Precipitation estimates based on regression analysis with Oglethorpe Lake. Stage recorded at 1-hour intervals.

Pond volume and area were estimated using a GIS and polynomial regression models for a range of pond stages (fig. 27). At the highest recorded stage of 13.22 ft above NAVD 88, the volume of water stored in the pond was about 5.85 Mgal, covering a surface area of 202,266 ft^2, or 4.64 acres. At the lowest recorded stage of 12.88 ft above NAVD 88, the volume of water in the pond was about 5.32 Mgal, covering a surface area of 190,310 ft^2, or 4.32 acres.

Water Budget

A simplified water budget was developed for Wilson Gate Pond based on daily pond stage, precipitation, and evaporation data collected during November 7–December 31, 2008 (fig. 28). Precipitation data were obtained from the stormwater site at HAAF (Russell Moncrief, U.S. Army, written commun., April 15, 2009). Because of several days of missing record at this site, precipitaton was estimated based on daily precipitation data at Oglethorpe Lake, about 1.5 miles to the northwest. Because some of the precipitation data were estimated, an error factor of 20 percent was assigned for water-budget computations, rather than the 15-percent factor assigned at Halstrum Pond and Oglethorpe Lake.

Daily computed *Pnet* at Wilson Gate Pond ranged from a low of –0.8 inch on November 7, to a high of 1.54 inches on November 13 (fig. 28*A*). During the study period, precipitation was mostly limited to storms during November 13, November 28–30, and December 11, and daily evapotranspiration ranged from 0.005 to 0.08 inch. Daily values of *Pnet* were mostly negative, indicating more water was leaving the pond from evaporation than entering it from precipitation. Exceptions occur when *Pnet* values were positive during the aforementioned rainfall events. Despite these rainfall events, there was a small cumulative loss in pond volume during the study period (fig. 29).

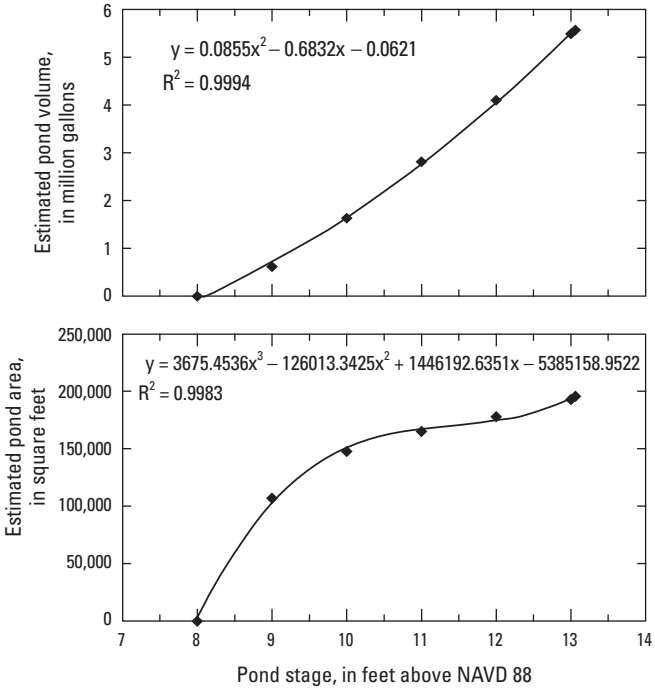


Figure 27. Relation of pond stage to computed volume and surface area, and regression fit of data, Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia.

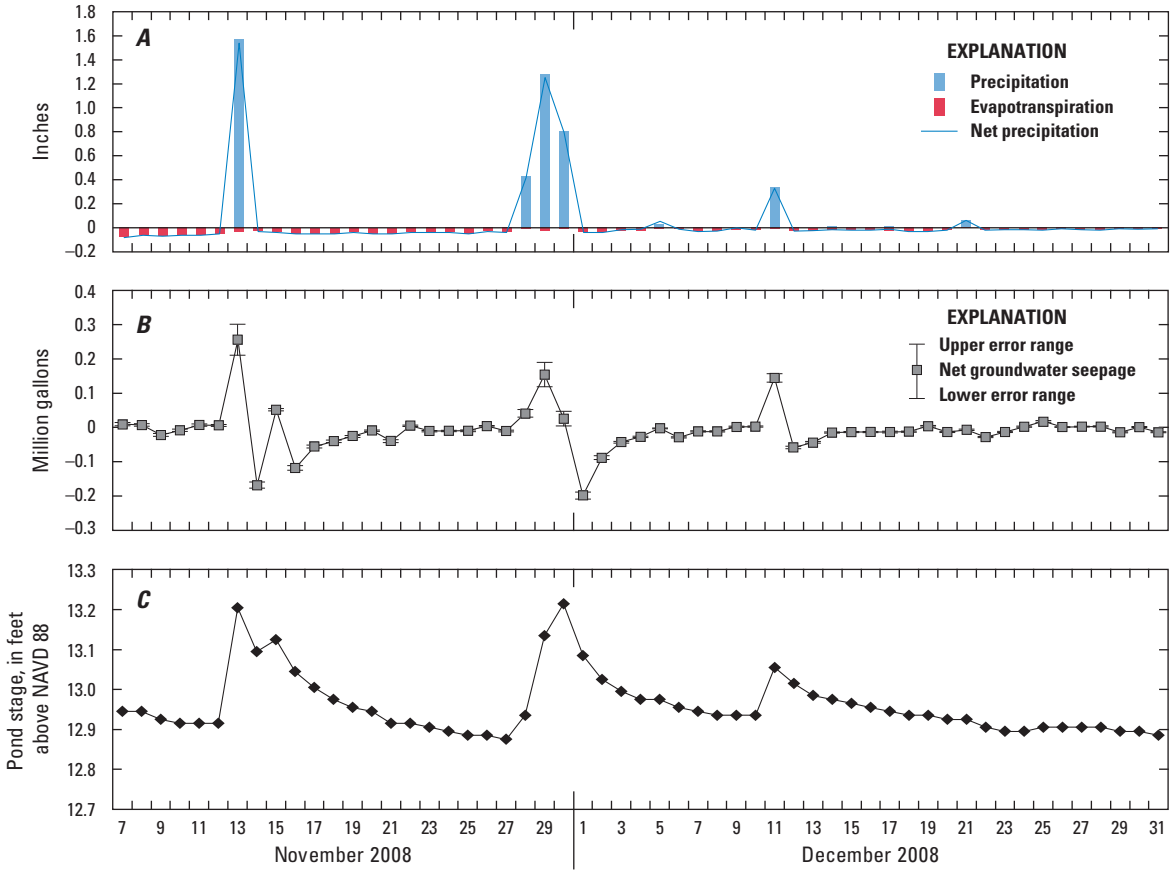


Figure 28. Hydrologic and climatic data at Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia, and vicinity, November–December 2008. *(A)* Daily estimated precipitation and net precipitation at Halstrum Pond, and estimated daily evapotranspiration at the Bamboo Farm, Georgia Environmental Monitoring Site; *(B)* net groundwater seepage; and *(C)* pond stage.

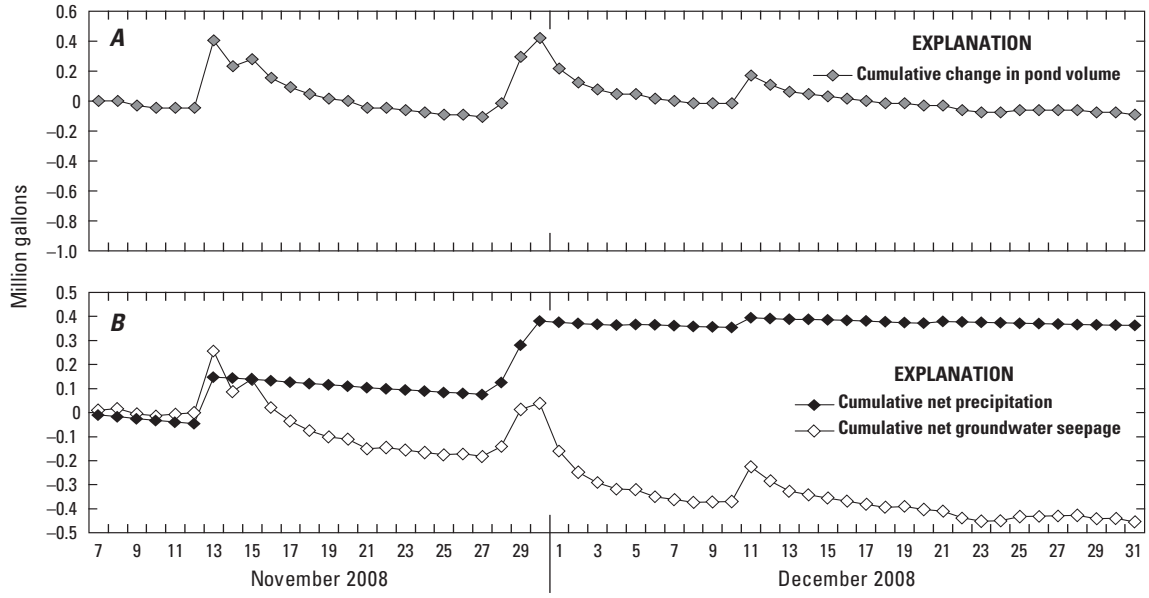


Figure 29. *(A)* Cumulative daily change in pond volume and *(B)* net precipitation and net groundwater seepage, Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia, November–December 2008.

During November–December 2008, estimated daily *Gnet* was mostly negative, reflecting loss of pond volume, and ranged from –0.20 to +0.26 Mgal (fig. 28*B*). The largest daily *Gnet* gain (indicated by a positive value) occurred following rainstorms on November 13, and the largest loss (indicated by a negative value) occurred on December 1. During the 55-day study period, the cumulative *Gnet* volume was –0.45 Mgal, or –5.74 gal/min, indicating a net loss to pond volume (fig. 29). *Gnet* inflows occurred following rainfall events, with the maximum daily value of 0.26 Mgal on November 13 equivalent to a rate of 182 gal/min. Some of the large *Gnet* gains following rainfall events could be attributed to storm-water inflow to the pond.

Uncertainty in *Gnet* estmates are due to combined errors associated with precipitation, evaporation, volume, and discharge computed using equation 2. The largest error for daily *Gnet* estimates (0.04 Mgal) occurred November 13, following a large rainstorm of an estimated 1.58 inches (fig. 28*B*). Because a 20-percent error was assigned to precipitation at Wilson Gate Pond, the high rainfall resulted in a larger overall error range. The variation in *Gnet* error was smaller during periods of little or no precipitation at the pond.

An indication of rates of groundwater replenishment (positive *Gnet*) to pond volume is provided by evaluating rates following three rainfall periods on November 12–13, 28–30, and December 10–11 (fig. 29).

- During November 12–13, a 1.58-inch rainfall resulted in an increase in pond stage of 0.29 ft and an increase in pond volume of about 0.45 Mgal. Total *Gnet* volume during this period was 0.26 Mgal, or 91 gal/min.
- During November 27–30, 2.51 inches of precipitation resulted in an increase in pond stage of 0.34 ft, and an increase in pond volume of about 0.53 Mgal. Over the 3-day period, *Gnet* contributed a cumulative volume of 0.22 Mgal (fig. 28*B*), at an average rate of 51 gal/min.
- During December 10–11, 0.34 in of preciptiation resulted in an increase in pond stage of 0.12 ft, and an increase in pond volume of about 0.18 Mgal. During the 2-day period, *Gnet* contributed a cumulative volume of 0.15 Mgal (fig. 28*B*), at an average rate of 51 gal/min.

Water Quality

To assess water quality at Wilson Gate Pond, field properties (specific conductance, dissolved oxygen, temperature, and pH) were measured at three discrete depths at the deepest part of the pond on April 21, 2009 (fig. 30). The deepest part of the pond is about 7 ft deep; measurements were collected at 2, 4, and 6 ft. Values of pH and specific conductance show little variation with depth, with pH values ranging from 5.3 to 5.4 units and specific conductance ranging from 84 to 86 µs/cm. Levels of pH did not meet the GaEPD standard of 6.0–8.5 for waters supporting warm-water species of fish (Georgia Department of Natural Resources, 2005).

Water temperature and dissolved oxygen slightly decrease with depth. Temperature was 24.4 °C at a depth of 2 ft and was 22.7 °C at a depth of 6 ft. Dissolved oxygen decreases from 5.3 mg/L at a depth of 2 ft to 4.3 mg/L at a depth of 6 ft, meeting the 4-mg/L GaEPD standard for water supporting warm-water species of fishes (Georgia Department of Natural Resources, 2005).

A composite water sample was collected on April 21, 2009, from the 2-, 4-, and 6-ft depth intervals (table 1). Analytical results indicate water from Wilson Gate Pond is low in dissolved solids and concentrations of most constituents. The water is fresh, with a chloride concentration of 12 mg/L. Constituent concentrations are within U.S. Environmental Protection Agency primary and secondary drinking-water MCLs, with the exception of iron (419 µg/L), which exceeds the secondary MCL of 300 µg/L. Although not a health hazard, when the iron concentration exceeds 300 µg/L, iron staining of sidewalks and plumbing fixtures may occur. The reason for the high iron concentration is unknown but may be related to input from sources located offsite of HAAF.

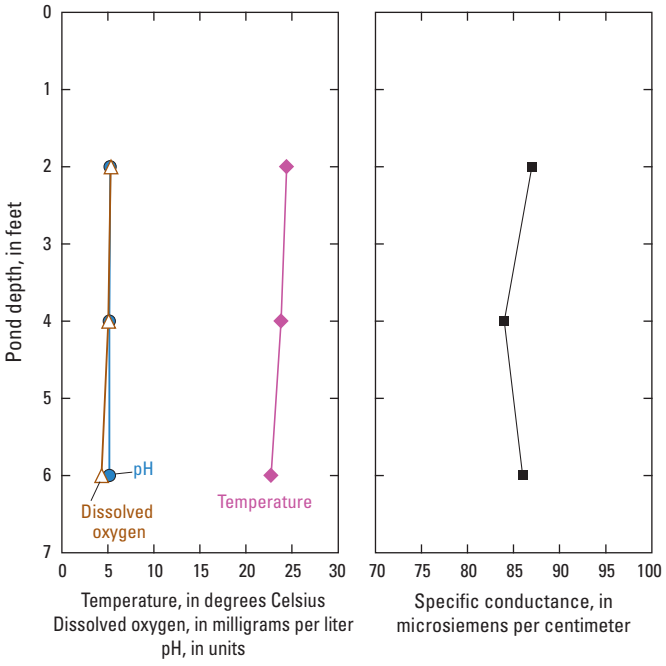


Figure 30. Water-quality profile at Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia, April 21, 2009.

Golf Course Pond

The golf course pond was constructed in 2000 and has a shallow unknown depth and area (fig. 31). The pond captures stormwater runoff from a drainage ditch along the eastern edge of the runway area (fig. 1) and is the only one of the four ponds not used for fishing. The pond discharges to a drainage ditch through a weir structure (fig. 32). Downstream from the weir, a continuous stormwater monitor operated by the U.S. Department of the Army at the location of USGS site 02203542 measures precipitation and water-quality properties during storm events.

Area and depth of the golf course pond were not delineated because streamflow records were used as a basis for evaluation and a detailed water budget analysis was not required. A report titled, "Golf Course Irrigation System Source Water Feasibility Evaluation" (U.S. Army Center for Heath Promotion and Preventative Medicine, 2008) indicated that the pond was designed to retain approximately 4.6 Mgal of surface water and stormwater. The report further stated that beaver dams obstructing the discharge weir had backed up water to levels 3 ft higher than designed, increasing the volume of water stored to about 7.4 Mgal. The same report indicated that the pond was discharging during drought conditions, suggesting it was fed by "groundwater seeps." Measurements taken downstream from the weir during November 2007 and January 2008 indicated water was discharging from the pond at rates of 1–1.25 Mgal/d, or 694–868 gal/min (U.S. Army Center for Heath Promotion and Preventative Medicine, 2008).



Modified from U.S. Geological Survey Coastal Imagery
0.5-meter resolution, 2006

EXPLANATION

02203542 **Surface-water monitoring site and identification**

Figure 31. Golf course pond, Hunter Army Airfield, Chatham County, Georgia.



Figure 32. Weir at golf course pond Hunter Army Airfield, Chatham County, Georgia. In foreground is a stage gage for site 320021081074501.

Streamflow

The USGS collected 36 periodic streamflow measurements, generally during storm events, at Harmon Canal (site number 02203542) located about 2,150 ft downstream from the golf course pond during March 1979–September 1987 (figs. 31, 33). During this period, streamflow ranged from 282.8 gal/min in March 1979, to 77,647.8 gal/min in September 1987, with a median value of 23,339.2 gal/min (table 2). The percentile of a data population provides an indication of the frequency that a specified value is exceeded. For example, the 10th percentile is the value that is higher than 10 percent of the data population, or, alternatively, is exceeded by 90 percent of the population. During 1979–87, streamflow exceeded 6,171.4 gal/min 90 percent of the time, as indicated by the 10th percentile. It is important to note that these measurements targeted higher stormflow values and that average monthly streamflow would be lower because non-storm base-flow periods are included.

To provide a more recent and seasonal indication of the amount of available water discharging from the golf course pond, a continuous streamflow monitoring site was established about 25 ft downstream from the weir in February 2009. The site monitors stream stage on a continuous basis, which provides data needed to estimate streamflow based on a relation or "rating" of stage and periodic discharge measurements. Streamflow data for February–July 2009 are shown in figure 34. A comparison of field streamflow measurements to values generated by the rating curve indicates an approximate error range of 30 percent from the measured value (Anthony J. Gotvald, U.S. Geological Survey, oral commun., August 6, 2009).

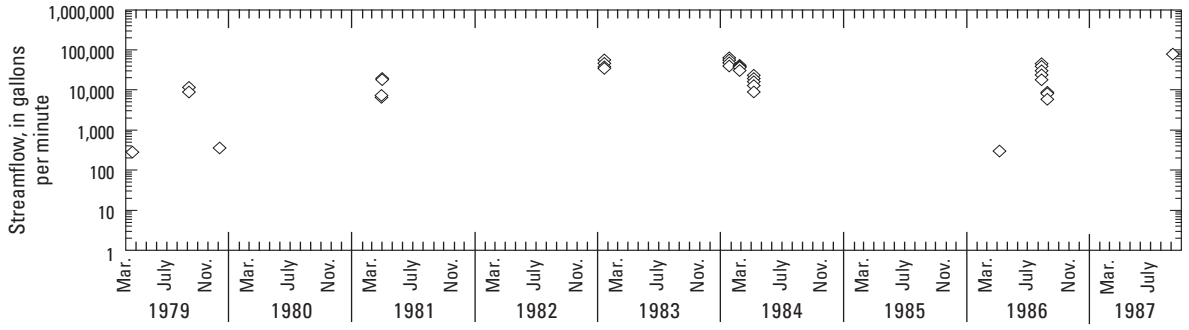


Figure 33. Periodic streamflow at site 02203542, Harmon Canal, Hunter Army Airfield, Chatham County, Georgia, 1979–87.

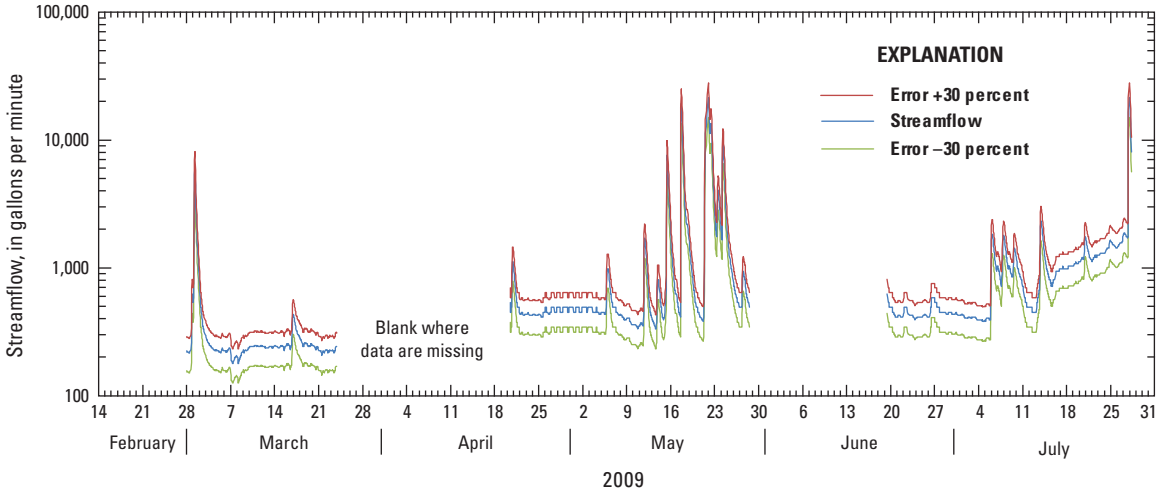


Figure 34. Hourly streamflow at golf course pond, Hunter Army Airfield, Chatham County, Georgia, February–July 2009.

During February–July 2009, streamflow at the golf course pond ranged from about 180 to 21,543.9 gal/min, with a median of 448.8 gal/min (fig. 34; table 2). Streamflow exceeded 237.9 gal/min 90 percent of the time, as indicated by the 10th percentile (table 2). Average daily discharge ranged from 347.3 gal/min in March, to 1,700.6 gal/min in May. A longer period of data collection could provide a better statistical characterization for this site based on a wider range of climatic conditions.

Water Quality

To assess water quality at golf course pond, a water sample was collected and field properties (specific conductance, dissolved oxygen, temperature, and pH) were measured at the mouth of the discharge weir on April 22, 2009. Water discharging through the weir had a temperature of 21.3 °C, a specific conductance of 105 µS/cm at 25 °C, and a pH of 6.0 (table 1). Dissolved oxygen was 3.8 mg/L, which is below the 4-mg/L GaEPD standard for water supporting warm-water species of fishes (Georgia Natural Resources, 2005).

Analytical results indicate that water from the golf course pond is low in dissolved solids and concentrations of most constituents. The water is fresh, with a chloride concentration of 7.09 mg/L. Constituent concentrations are within U.S. Environmental Protection Agency primary and secondary drinking-water MCLs.

Table 2. Statistical summary of streamflow data at golf course pond, Hunter Army Airfield, Chatham County, Georgia, 1979–87 and 2009.

[—, no data]

	Periodic data March 1979–September 1987		Continuous data February–July 2009	
	Cubic feet per second	Gallons per minute	Cubic feet per second	Gallons per minute
Number of values	36	36	2,414	2,414
Average	59.92	26,892.46	2.15	964.63
Minimum	0.63	282.76	0.40	179.53
10th Percentile	13.75	6,171.43	0.53	237.88
25th Percentile	19.78	8,875.63	0.87	390.48
50th Percentile	52.00	23,339.21	1.00	448.83
75th Percentile	86.23	38,700.45	2.10	942.55
90th Percentile	114.00	51,166.73	3.50	1,570.91
Maximum	173.00	77,647.76	48.00	21,543.89
Monthly average				
January	105.2	47,195	—	—
February	81.7	36,687	—	—
March	10.4	4,687	0.8	347
April	32.7	14,675	1.1	487
May	—	—	3.8	1,701
June	—	—	1.0	453
July	—	—	2.6	1,169
August	49.4	22,161	—	—
September	72.8	32,675	—	—

Water-Supply Potential

To meet the growing water demand at HAAF, the four ponds are being considered as possible sources of supplemental irrigation supply for several locations at HAAF. The water-supply potential of the ponds is determined by available volume, rates of *Gnet* and *Pnet*, and water quality. In addition, because some of the ponds are stocked and used for fishing, changes in stage that affect fish habitats need to be considered.

An indication of the volume of water available for irrigation supply at Oglethorpe Lake and Halstrum and Wilson Gate Ponds during dry climatic conditions is provided by computing the rate of depletion of pond volume for various discharge, *Pnet*, and *Gnet* rates (table 3). Because the ponds will serve as irrigation sources mostly during dry periods, evaporation and precipitation estimates are based on the long-term average values for July from the Savannah International Airport site (fig. 2). Average total precipitation for July during 1971–2000 was 6.23 inches, and average monthly evaporation for July during 1965–2003 was 8.49 inches, resulting in a monthly *Pnet* of –2.26 inches. Rates of evaporative loss at each pond were adjusted to account for changes in pond surface area, with decreasing stage as pond volume is depleted. To provide conservative estimates of rates of depletion, the average estimated *Gnet* at each of the ponds for the study period was used for the evaluation; thus, greater quantities of water may be available from the ponds. This analysis assumes that there is no precipitation during the pumping period, that evaporation remains constant, and that rates of *Gnet* remain constant as pond stage is lowered. The latter assumption likely results in an underestimation of the amount of available water because a previous study by Clarke and Abu Rumman (2004) demonstrated that simulated *Gnet* rates increase in response to lowered pond stage.

Irrigation demands are often quantified in terms of application rates per acre, usually expressed in inches per acre. According to the Georgia Cooperative Extension Service (Landry, 2009), "In general, most turf grasses grown in Georgia use about 1 inch of water per week to maintain normal growth and color. But under some conditions such as shallow rooting and high nitrogen levels, water use may be 2 inches per week." A 1-inch application over 1 acre would require 57 gal/min over an 8-hour period; a 2-inch application would require 114 gal/min. The following sections describe depletion of pond volume for discharge rates of 250, 500, and 1,000 gal/min for an 8-hour per day (hr/d) pumping period. During an 8-hour period, pumping at a rate of 250 gal/min would enable application of 1 inch over 4.4 acres, 500 gal/min over 8.8 acres, and 1,000 gal/min over 17.6 acres.

Table 3. Summary of pond volume and net groundwater seepage and pond-volume depletion rates for Oglethorpe Lake and Halstrum and Wilson Gate Ponds, Hunter Army Airfield, Chatham County, Georgia.

[Depletion rates computed assuming an 8-hour per day irrigation period and long-term average climatic conditions during July and average net groundwater seepage during November–December 2008]

Site	Year constructed	Acres	Maximum volume (million gallons)	Average net groundwater seepage, November–December 2008 (gallons per minute)	Number of days for depletion of storage at pumping rate		
					250 gallons per minute	500 gallons per minute	1,000 gallons per minute
Oglethorpe Lake	1985	9.5	7.28	3	58	31	16
Halstrum Pond	1968	4.6	12.8	19	130	60	29
Wilson Gate Pond	1998	4.7	5.9	–5.74	44	24	13

Oglethorpe Lake

The quality of water from Oglethorpe Lake is fresh, with a chloride concentration of 3.85 mg/L. During the November–December 2008 study period, available volume in Oglethorpe Lake ranged from 6.26 to 7.28 Mgal, and *Gnet* averaged about 3 gal/min, with higher inflows following rainfall events. Assuming long-term average climatic conditions for July and an 8 hr/d pumping period, total depletion of pond volume in Oglethorpe Lake would occur after 16 days at a pumping rate of 1,000 gal/min, after 31 days at a pumping rate of 500 gal/min, and after 58 days at a pumping rate of 250 gal/min (fig. 35). A limitation on the quantity of water available in Oglethorpe Lake is leakage through the dam, with a maximum rate of 280 gal/min measured in November 2008.

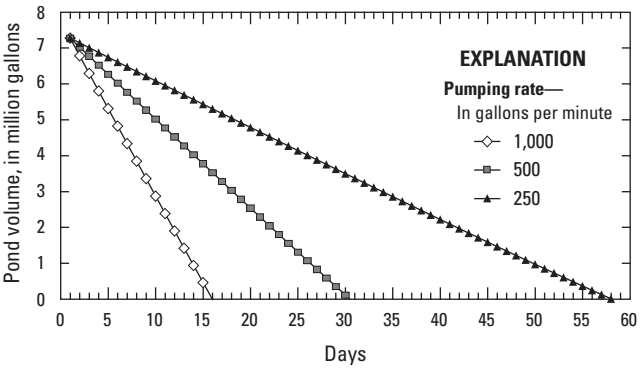


Figure 35. Hypothetical rate of depletion of pond volume at pumping rates of 1,000, 500, and 250 gallons per minute for 8 hours per day for long-term climatic conditions during July at Oglethorpe Lake, Hunter Army Airfield, Chatham County, Georgia.

Halstrum Pond

The quality of water from Halstrum Pond is fresh, with a chloride concentration of 6.52 mg/L. During the November–December 2008 study period, available volume in Halstrum Pond ranged from 10.8 to 12.8 Mgal, and *Gnet* averaged about 19 gal/min, with higher *Gnet* inflows following rainfall events. Assuming long-term average climatic conditions for July and an 8 hr/d pumping period, total depletion of pond volume in Halstrum Pond would occur after 29 days at a pumping rate of 1,000 gal/min, after 60 days at a pumping rate of 500 gal/min, and after 130 days at a pumping rate of 250 gal/min (fig. 36).

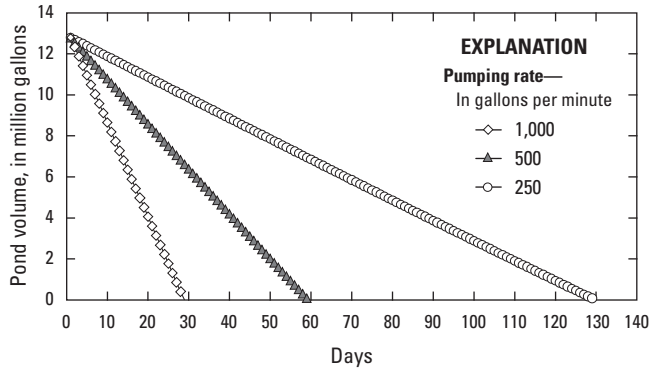


Figure 36. Hypothetical rate of depletion of pond volume at pumping rates of 1,000, 500, and 250 gallons per minute for 8 hours per day for long-term climatic conditions during July at Halstrum Pond, Hunter Army Airfield, Chatham County, Georgia.

Wilson Gate Pond

The quality of water from Wilson Gate Pond is fresh, with a chloride concentration of 12 mg/L. During the November–December 2008 study period, available volume in Wilson Gate Pond ranged from 5.32 to 5.85 Mgal, and *Gnet* averaged –5.74 gal/min; however, *Gnet* inflows occurred following rainfall events. Assuming long-term average climatic conditions for July and an 8 hr/d pumping period, total depletion of pond volume in Wilson Gate Pond would occur after 13 days at a pumping rate of 1,000 gal/min, after 24 days at a pumping rate of 500 gal/min, and after 44 days at a pumping rate of 250 gal/min (fig. 37).

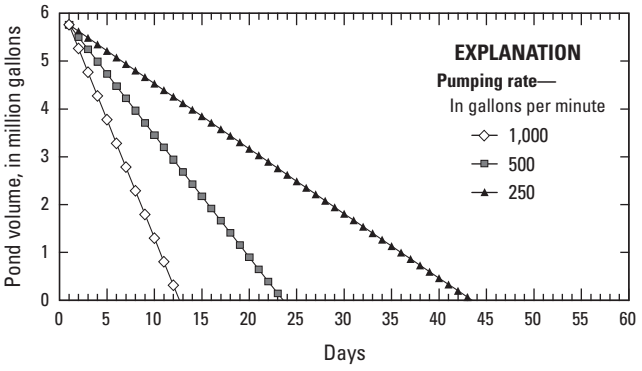


Figure 37. Hypothetical rate of depletion of pond volume at pumping rates of 1,000, 500, and 250 gallons per minute for 8 hours per day for long-term climatic conditions during July at Wilson Gate Pond, Hunter Army Airfield, Chatham County, Georgia.

Golf Course Pond

Currently (2009), irrigation water at the golf course pond is derived from the HAAF potable water system, which is supplied by wells completed in the Upper Floridan aquifer. Average reported water use at the golf course during 2005–2007, a period of below-normal precipitation, is listed in table 4. Maximum monthly usage generally occurs during March–May and July–October, with a maximum average of 7.91 Mgal (0.26 Mgal/d) used during the month of July. Assuming an 8-hour daily irrigation period, the average pumping rate required to meet the demand during March–May and July–October would range from 214 to 531 gal/min. Average daily golf course water-use data for 2005–07 and periodic streamflow measurements during 1979–87 and 2009 are shown in figure 38.

The quality of water from the golf course pond is fresh, with a chloride concentration of 7.09 mg/L. During February–July 2009, streamflow downstream from the golf course pond exceeded 237.9 gal/min 90 percent of the time (table 2). Daily average streamflow ranged from 347.3 gal/min in March to 1,700.6 gal/min during May, with higher values caused by storm events. The average daily streamflow during February–July 2009 exceeded average daily water use at the golf course during the same months in 2005–07 (fig. 38). In addition, periodic streamflow measurements during 1979–87 exceeded average 2005–07 golf course water use during January–April, August, September, and December, exceeding 6,171 gal/min 90 percent of the time.

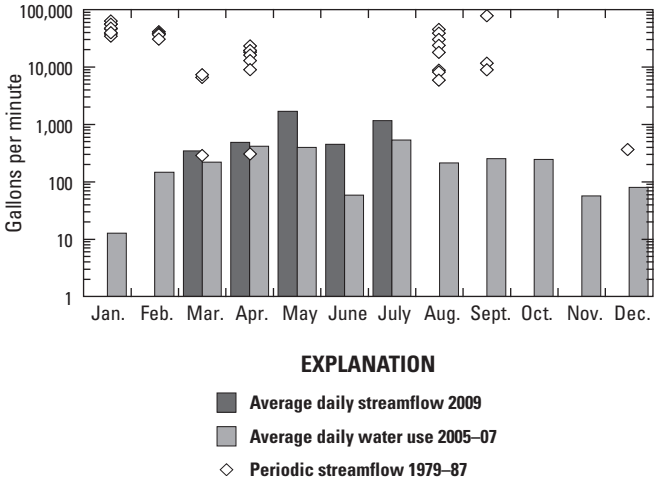


Figure 38. Average daily golf course water use, 2005–07, periodic streamflow measurements during 1979–87, and average daily streamflow during March–July 2009, golf course pond, Hunter Army Arifield, Chatham County, Georgia.

Table 4. Water use at golf course, Hunter Army Airfield, 2005–07 (modified from U.S. Army Center for Heath Promotion and Preventative Medicine, 2008).

[—, no data; Gallons per minute estimate based on assumed 8 hour per day pumping schedule]

Month	Days per month	2005			2006			2007			3-year average		
		Gallons per month	Gallons per day	Gallons per minute	Gallons per month	Gallons per day	Gallons per minute	Gallons per month	Gallons per day	Gallons per minute	Gallons per month	Gallons per day	Gallons per minute
January	31	392,000	12,645	26	120,000	3,871	8	58,000	1,871	4	190,000	6,129	13
February	28	814,000	29,071	61	4,892,000	174,714	364	260,000	9,286	19	1,988,667	71,024	148
March	31	606,000	19,548	41	5,524,000	178,194	371	3,666,000	118,258	246	3,265,333	105,333	219
April	30	282,000	9,400	20	8,094,000	269,800	562	9,534,000	317,800	662	5,970,000	199,000	415
May	31	341,600	11,019	23	6,552,000	211,355	440	10,738,000	346,387	722	5,877,200	189,587	395
June	30	40,400	1,347	3	—	—	—	1,640,000	54,667	114	840,200	28,007	58
July	31	10,574,000	341,097	711	—	—	—	5,240,000	169,032	352	7,907,000	255,065	531
August	31	1,034,000	33,355	69	4,770,000	153,871	321	3,766,000	121,484	253	3,190,000	102,903	214
September	30	7,480,000	249,333	519	1,244,000	41,467	86	2,252,000	75,067	156	3,658,667	121,956	254
October	31	3,720,000	120,000	250	—	—	—	3,538,000	114,129	238	3,629,000	117,065	244
November	30	40,000	1,333	3	—	—	—	1,590,000	53,000	110	815,000	27,167	57
December	31	180,000	5,806	12	—	—	—	2,216,000	71,484	149	1,198,000	38,645	81

Summary

Water from all four ponds at HAAF is fresh, with chloride concentrations below 12 milligrams per liter (mg/L). With the exception of iron in Wilson Gate Pond, constituent concentrations are below U.S. Environmental Protection Agency primary and secondary maximum contaminant levels (MCLs) for drinking water. Water in Wilson Gate Pond contains an iron concentration of 419 micrograms per liter (µg/L), which exceeds the secondary MCL of 300 µg/L. Although not a health hazard, when the iron concentration exceeds 300 µg/L, iron staining of sidewalks and plumbing fixtures may occur. Levels of dissolved oxygen were below the Georgia Environmental Protection Divison standard of 4 mg/L for water supporting warm-water fishes at deeper depths in Oglethorpe Lake, Wilson Gate Pond, and Halstrum Pond, and in the composite sample at the golf course pond.

Quantitites of freshwater from the four ponds are limited by pond volume and net groundwater seepage (*Gnet*) rates during periods of low precipitation. Pond volume for the observed range of stage was determined for Oglethorpe Lake, Halstrum Pond, and Wilson Gate Pond. Storage volume ranged from 5.32 to 12.8 million gallons (Mgal), with the greatest storage volume available in Halstrum Pond. During the November–December 2008 period, used to compute water budgets at the three ponds, average *Gnet* ranged from –5.74 gallons per minute (gal/min) at Wilson Gate Pond, indicating net loss in seepage, to 19 gal/min at Halstrum Pond, indicating a net gain in seepage. During several periods of stage recovery, daily *Gnet* rates were higher than the 2-month average, with the highest rates of 178–424 gal/min occurring during limited periods following major rainfall events. More typical *Gnet* rates were 23 gal/min in Halstrum Pond, 51–91 gal/min in Wilson Gate Pond, and 39–223 gal/min in Oglethorpe Lake. Some of the large *Gnet* gains following rainfall events could be attributed to stormwater inflow to the pond.

An indication of the volume of water available for irrigation supply at Oglethorpe Lake and Halstrum and Wilson Gate Ponds was provided by computing the rate of depletion of pond volume for a variety of withdrawal rates based on long-term average July precipitation and evaporation and the lowest estimated *Gnet* rate at each pond. Withdrawal rates of 1,000, 500, and 250 gal/min, were projected over an 8-hour daily pumping period. At a withdrawal rate of 1,000 gal/min, available pond volume would be depleted in 13 days at Wilson Gate Pond, 16 days at Oglethorpe Lake, and 29 days at Halstrum Pond. Pumping at a rate of 500 gal/min would deplete pond volume in Oglethorpe Lake in 31 days, in Halstrum Pond in 60 days, and in Wilson Gate Pond in 24 days. Pond volume would be depleted while withdrawing at a rate of 250 gal/min in 44 days at Wilson Gate Pond, 58 days at Oglethorpe Lake, and 130 days at Halstrum Pond. This analysis assumes that there is no precipitation during the pumping period, that evaporation remains constant, and that rates of *Gnet* remain constant as pond stage is lowered. The effect of stage changes resulting from withdrawal on fish populations in the ponds would need to be considered when developing a water-withdrawal plan for each pond.

Accuracy of *Gnet* estimates are limited by the accuracy of each water-budget component. Field measurements have an associated error depending on the method of measurement; total *Gnet* error is an accumulation of the errors of the various measurements. Note that different climatic conditions and pumping rates would influence the rate of pond-volume depletion, and that reducing pond stage beyond the range of observed test conditions during November–December 2008 also increases rates of net groundwater seepage into the ponds. Despite these limitations, the aforementioned analysis gives some indication of the sustainability of pumping the ponds during dry summer conditions.

The water-supply potential at the golf course pond was assessed by measuring flow downstream from the pond during February–July 2009, and examining historic stormflow measurements collected during 1979–87. These measurements indicate that streamflow during these periods exceeded average daily water use at the golf course pond during 2005–07, a period of below-normal precipitation when water demand would be expected to be higher. Assuming an 8-hour daily irrigation period, the average discharge rate required to meet golf course water demand during peak demand months of March–May and July–October exceeds 200 gal/min, with the greatest rate of 531 gal/min during July. During February–July 2009, daily average streamflow downstream from the golf course pond exceeded 238 gal/min 90 percent of the time. Daily average streamflow ranged from 347 gal/min in March to 1,700 gal/min during May, with higher values due to storm events. Periodic streamflow measurements during 1979–87 exceeded 6,171 gal/min 90 percent of the time; however, these measurements are skewed toward higher stormflow values, and average monthly streamflow would be lower because non-storm base-flow periods are included.

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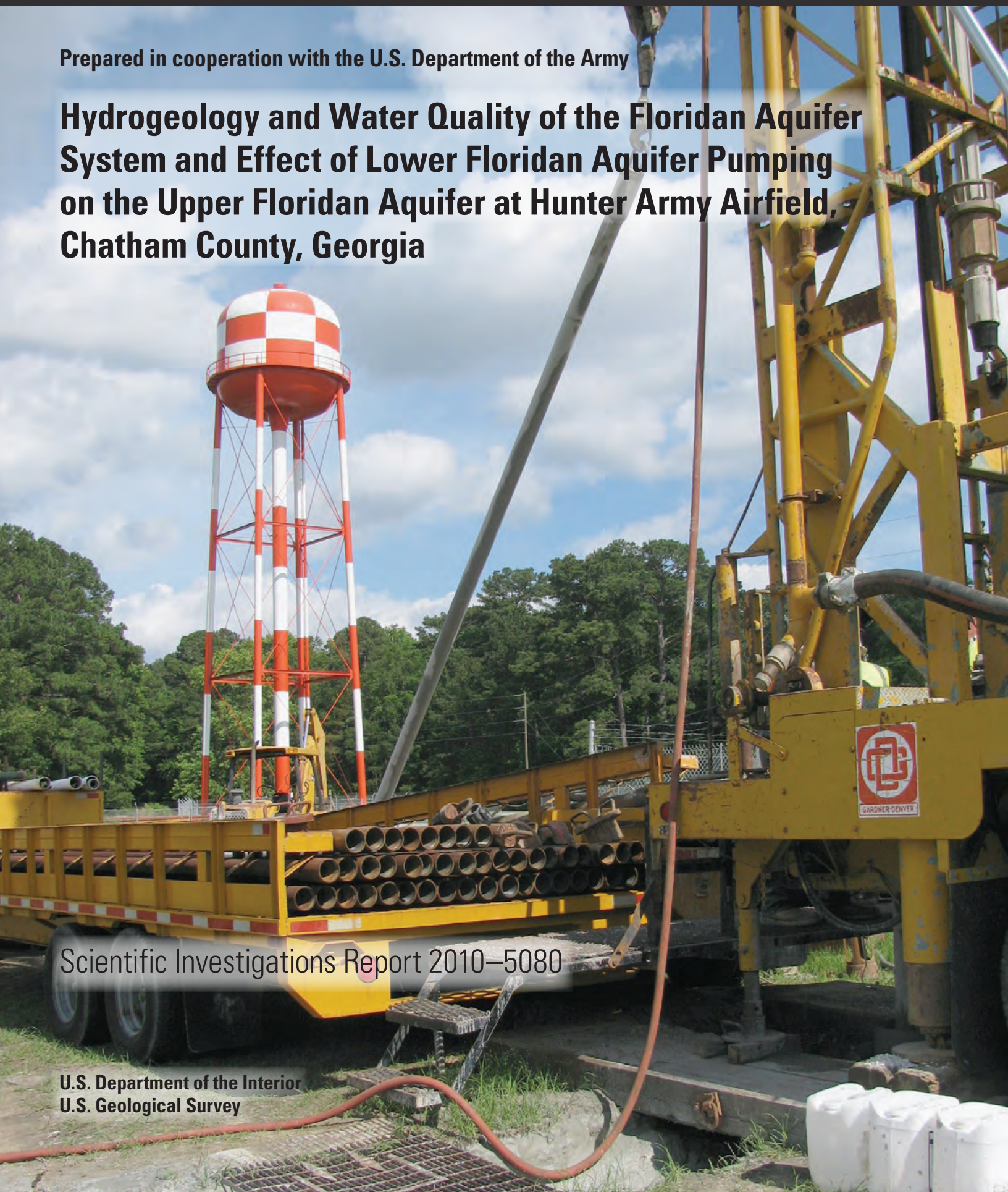
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Hydrogeology and Water Quality of the Floridan Aquifer System and Effect of Lower Floridan Aquifer Pumping on the Upper Floridan Aquifer at Hunter Army Airfield, Chatham County, Georgia



Scientific Investigations Report 2010–5080

U.S. Department of the Interior
U.S. Geological Survey

Cover. Drill rig used to install Lower Floridan production well, Hunter Army Airfield, Savannah, GA. Photo by O. Gary Holloway, USGS.

Hydrogeology and Water Quality of the Floridan Aquifer System and Effect of Lower Floridan Aquifer Pumping on the Upper Floridan Aquifer at Hunter Army Airfield, Chatham County, Georgia

By John S. Clarke, Lester J. Williams, and Gregory C. Cherry

Prepared in cooperation with the U.S. Department of the Army

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Conversion Factors and Datums

Multiply	By	To obtain
	Length	
inch	2.54	centimeter (cm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	Area	
square foot (ft^2)	929.0	square centimeter (cm^2)
square foot (ft^2)	0.0929	square meter (m^2)
square mile (mi^2)	259.0	hectare (ha)
square mile (mi^2)	2.590	square kilometer (km^2)
	Volume	
gallon (gal)	3.785	liter (L)
gallon (gal)	0.003785	cubic meter (m^3)
gallon (gal)	3.785	cubic decimeter (dm^3)
million gallons (Mgal)	3,785	cubic meter (m^3)
	Flow rate	
foot per day (ft/d)	0.3048	meter per day (m/d)
gallon per minute (gal/min)	0.06309	liter per second (L/s)
gallon per day (gal/d)	0.003785	cubic meter per day (m^3/d)
million gallons per day (Mgal/d)	0.04381	cubic meter per second (m^3/s)
	Specific capacity	
gallon per minute per foot [(gal/min)/ft)]	0.207	liter per second per meter [(L/s)/m]
	Hydraulic conductivity	
foot per day (ft/d)	0.3048	meter per day (m/d)
	Transmissivity*	
foot squared per day (ft^2/d)	0.0929	meter squared per day (m^2/d)

Vertical coordinate information is referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29) or the North American Vertical Datum of 1988 (NAVD 88).

Horizontal coordinate information is referenced to North American Datum of 1983 (NAD 83).

Altitude, as used in this report, refers to distance above the vertical datum.

*Transmissivity: The standard unit for transmissivity is cubic foot per day per square foot times foot of aquifer thickness [$(ft^3/d)/ft^2$]ft. In this report, the mathematically reduced form, foot squared per day (ft^2/d), is used for convenience.

Specific conductance is given in microsiemens per centimeter at 25 degrees Celsius (µS/cm at 25 °C).

Concentrations of chemical constituents in water are given either in milligrams per liter (mg/L) or micrograms per liter (µg/L).

Hydrogeology and Water Quality of the Floridan Aquifer System and Effect of Lower Floridan Aquifer Pumping on the Upper Floridan Aquifer at Hunter Army Airfield, Chatham County, Georgia

By John S. Clarke, Lester J. Williams, and Gregory C. Cherry

Abstract

Test drilling and field investigations, conducted at Hunter Army Airfield (HAAF), Chatham County, Georgia, during 2009, were used to determine the geologic, hydraulic, and water-quality characteristics of the Floridan aquifer system and to evaluate the effect of Lower Floridan aquifer (LFA) pumping on the Upper Floridan aquifer (UFA). Field investigation activities included (1) constructing a 1,168-foot (ft) test boring and well completed in the LFA, (2) collecting drill cuttings and borehole geophysical logs, (3) collecting core samples for analysis of vertical hydraulic conductivity and porosity, (4) conducting flowmeter and packer tests in the open borehole within the UFA and LFA, (5) collecting depth-integrated water samples to assess basic ionic chemistry of various water-bearing zones, and (6) conducting aquifer tests in the new LFA well and in an existing UFA well to determine hydraulic properties and assess interaquifer leakage. Using data collected at the site and in nearby areas, model simulation was used to quantify the effects of interaquifer leakage on the UFA and to determine the amount of pumping reduction required in the UFA to offset drawdown resulting from the leakage.

Borehole-geophysical and flowmeter data indicate the LFA at HAAF consists of limestone and dolomitic limestone between depths of 703 and 1,080 ft, producing water from six major permeable zones: 723–731; 768–785; 818–837; 917–923; 1,027–1,052; and 1,060–1,080 ft. Data from a flowmeter survey, conducted at a pumping rate of 748 gallons per minute (gal/min), suggest that the two uppermost zones contributed 469 gal/min or 62.6 percent of the total flow during the test. The remaining four zones contributed from 1.7 to 18 percent of the total flow. Grab water samples indicate that with the exception of fluoride, constituent concentrations in the LFA increased with depth; water from the deepest interval (1,075 ft) contained chloride and sulfate concentrations of 480 and 240 milligrams per liter (mg/L), respectively. These relatively high concentrations were interpreted to have little effect on the overall quality of the well because flowmeter results indicated that water from 1,060 to 1,080 ft contributed less than 2 percent of the total flow to the completed well.

Results of a 72-hour aquifer test indicate that pumping a LFA well at a rate of 748 gal/min produced a drawdown response of 0.76 ft in a well completed in the UFA located 176 ft from the pumped well. A revised regional groundwater-flow model was used to simulate long-term (steady-state) leakage response of the UFA to pumping from the LFA and to estimate the equivalent amount of pumping from the UFA that would produce similar drawdown. Pumping the well at a rate of 748 gal/min (about 1 million gallons per day [Mgal/d]) resulted in a maximum simulated steady-state drawdown of 36.2 ft in the LFA and was greater than 1 ft over a 146 square-mile area. Simulated steady-state drawdown in the overlying UFA that resulted from interaquifer leakage was greater than 1 ft over a 141 square-mile area and was 2.03 ft at the pumped well. Flow to the pumped well was derived from increased lateral flow across the specified-head boundary (0.02 Mgal/d) and increased leakage from the UFA (0.52 Mgal/d), and by reductions in discharge to the Lower Floridan confining unit (0.53 Mgal/d) and to the lateral specified-head boundary (0.53 Mgal/d). Sixty-five percent of the leakage from the UFA occurred within 1 mile of the pumped well. This larger contribution results from a larger head gradient between the pumped well and the overlying aquifer in areas close to the pumped well.

The Georgia Environmental Protection Division interim permitting strategy for the LFA requires simulation of (1) aquifer leakage from the UFA to LFA resulting from

pumping the new LFA well, and (2) the equivalent rate of UFA pumping that induces the identical maximum drawdown in the UFA that would be expected as a result of pumping the LFA. Results of this analysis can be used as a basis to reduce nearby UFA permitted pumping in the same general area (within a 5-mile radius) by an amount equal to or greater than the determined leakage rate. Results of model simulations indicate that these two requirements result in widely varying pumping offsets for the UFA. Simulated interaquifer leakage was 361 gal/min (0.52 Mgal/d), whereas the equivalent UFA pumping rate to offset maximum drawdown was 189 gal/min (0.27 Mgal/d). The simulated pumping rate to match the maximum drawdown in the UFA underpredicts the amount of pumping offset because the cone of depression formed in response to pumping the UFA is steeper near the pumped well and covers a smaller area than the area simulated in response to interaquifer leakage. Thus, the simulated leakage rate may be a more effective means of evaluating required pumping offsets.

Three groundwater-pumping scenarios were run to evaluate the effect of various pumping changes on groundwater levels at HAAF. For two of the scenarios, the LFA was pumped 24 hours per day at a rate of 748 gal/min, while pumping from UFA wells was reduced by 187 gal/min for the first scenario and 361 gal/min for the second scenario. The third scenario involved pumping the LFA well 24 hours per day at a rate of 374 gal/min and reducing pumping of the UFA by 187 gal/min. These pumpage reduction scenarios decreased the magnitude and extent of drawdown in the UFA in comparison to the scenario in which the LFA was pumped without adjusting withdrawal from the UFA. None of the scenarios resulted in noticeable changes in the configuration of the simulated potentiometric surface and related groundwater-flow directions for the UFA.

Introduction

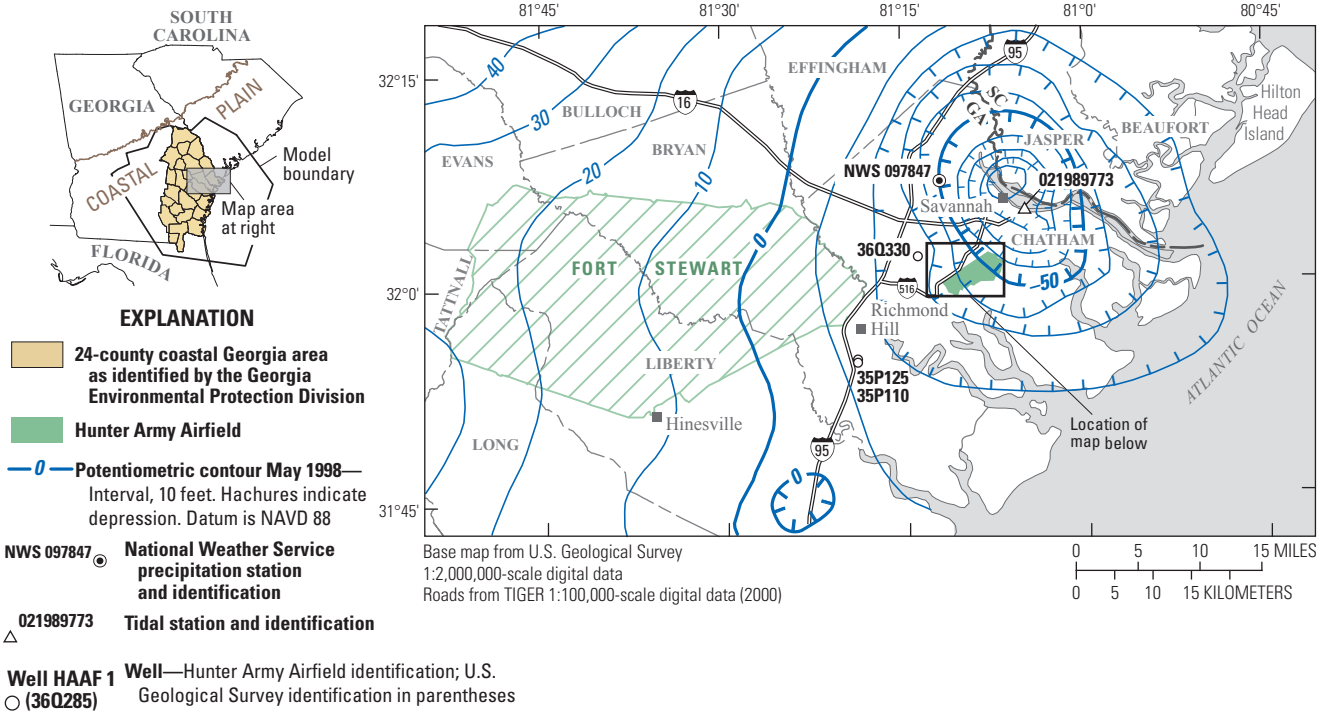
Hunter Army Airfield (HAAF) is located in the coastal area of Georgia near the city of Savannah (fig. 1). Water supply at the facility is derived from groundwater withdrawal from wells completed in the Upper Floridan aquifer (UFA). Concern over saltwater intrusion at Hilton Head Island, South Carolina, has resulted in increased restrictions by the Georgia Environmental Protection Division (GaEPD) on permitted groundwater withdrawals from the UFA. The current UFA groundwater permit at HAAF has been modified to reduce capacity from 1.03 to 0.98 million gallons per day (Mgal/d). To meet growing demands for water in the coastal Georgia area, GaEPD has encouraged use of alternative sources of water to the UFA, including wells completed in the Lower Floridan aquifer (LFA). HAAF seeks to offset reductions in permitted withdrawals from the UFA by making up the capacity using a well completed in the LFA.

Pumping from the LFA may increase the head gradient locally between the UFA and LFA, lower water levels in the UFA, and induce leakage (groundwater flow) from the UFA to the LFA. In January 2003, GaEPD released an interim strategy for permitting Lower Floridan withdrawals in the 24-county coastal area of Georgia (Nolton Johnston, Georgia Environmental Protection Division, written commun., January 28, 2003). The GaEPD permitting strategy states:

> "The applicant must demonstrate, using detailed aquifer testing and standard hydrogeological methods, that their LF [Lower Floridan] aquifer withdrawal does not induce downward leakage from the UF [Upper Floridan] aquifer and will have no net negative impact on water levels in the UF aquifer, or:
>
> "If the aquifer tests do show that there is an impact on water levels in the UF aquifer because of production from the LF aquifer, the applicant must calculate, using an approved hydrologic analysis, the UF contribution to the LF well. Then, using the information from the hydrogeological studies, the applicant must reduce nearby current UF withdrawals in an amount equal to any induced leakage from the UF into the LF. In other words, the applicant must offset the impact of the LF pumping by reducing nearby UF permitted pumping in the same general area (within a 5-mile (mi) radius) by an amount equal to or greater than the determined UF leakage. This will assure continued protection of the UF aquifer under the no net negative impact policy."

As part of the interim permitting strategy, GaEPD provided a hydrogeological study protocol that states (Nolton Johnston, Georgia Environmental Protection Division, written commun., January 28, 2003): "The applicant must conduct site-specific hydrogeological testing to obtain the data needed for development of a groundwater model capable of determining the contribution from the UFA that would result from the proposed withdrawal from the LFA. This information would be used to develop a new groundwater model, which would be run to simulate the equivalent Upper Floridan pumping that induces the identical maximum drawdown in the Upper Floridan that would be expected as a result of pumping the Lower Floridan."

To assess the water-supply potential of the LFA, the U.S. Geological Survey (USGS), in cooperation with the U.S. Department of the Army, conducted an investigation during 2009 to determine the hydrogeology and water quality of the Floridan aquifer system and the potential effect that pumping from the LFA would have on the UFA. The study included construction of a test well in the LFA, detailed site investigations, and groundwater-modeling studies.



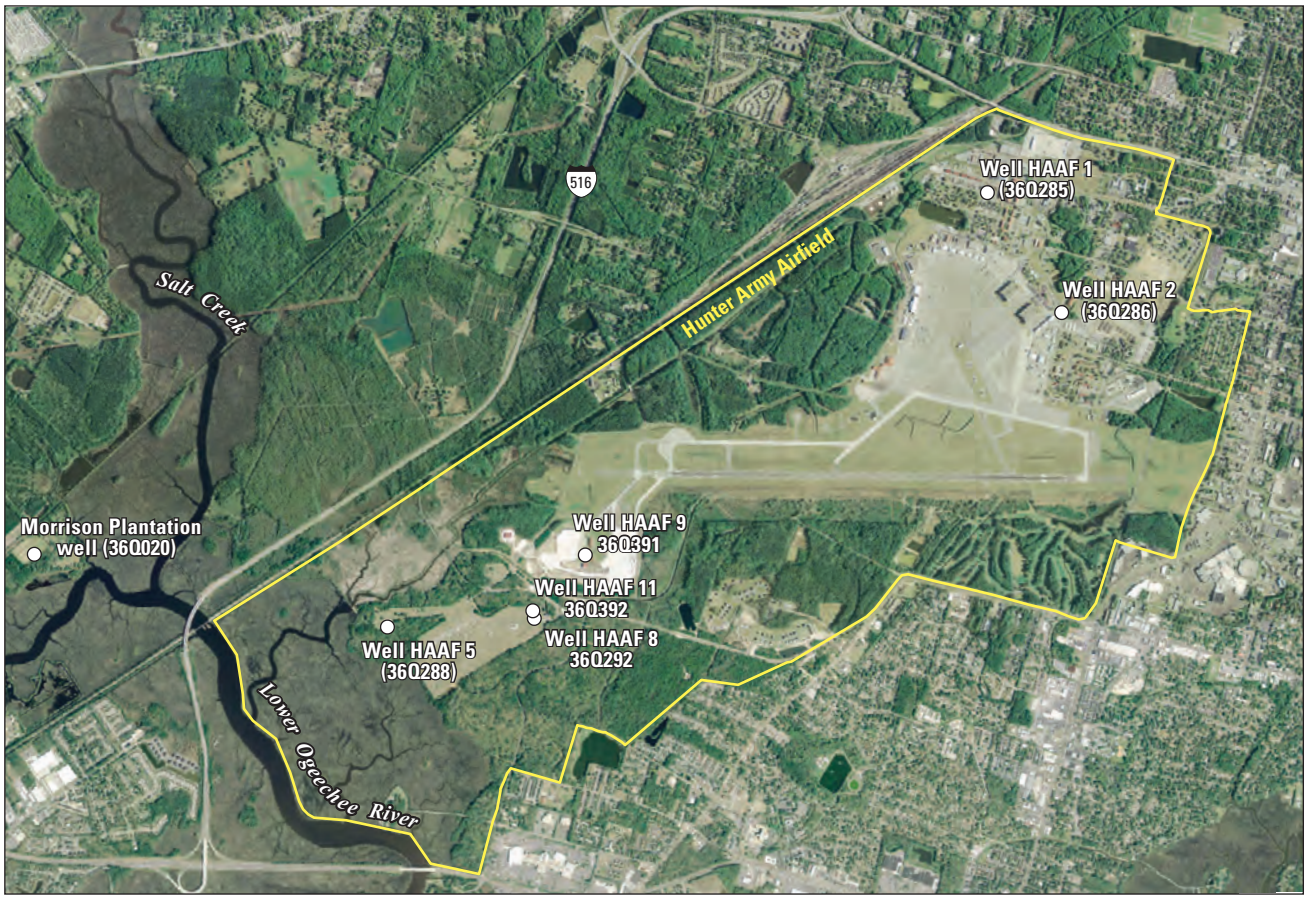


Figure 1. Location of groundwater-flow model area, selected wells, and tidal station at Hunter Army Air Field and vicinity, coastal Georgia (potentiometric contours modified from Peck and others, 1999).

Purpose and Scope

This report documents results of field investigations and groundwater-model simulations conducted at HAAF during 2009 to determine the hydrogeology and water quality of the Floridan aquifer system and to provide data needed to assess the effect of LFA pumping on the UFA, specifically to

- Evaluate leakage response in a nearby well completed in the UFA to pumping from the LFA, and
- Quantify the amount of pumpage reduction in the Upper Floridan well (or wells) required to offset leakage and the amount of drawdown induced by leakage.

Field investigations included:

- Constructing a 1,168-foot (ft) test boring and constructing a test well completed in the LFA;
- Collecting drill cuttings and borehole geophysical logs at the test well;
- Collecting core samples, in the test well, for analysis of vertical hydraulic conductivity and porosity;
- Conducting flowmeter and packer tests in the open borehole within the UFA and LFA in the test well;
- Collecting depth-integrated water samples to assess basic ionic chemistry of various water-bearing zones in the test well; and
- Conducting aquifer tests in the LFA test well and in the existing UFA wells to determine hydraulic properties and assess interaquifer leakage.

The effects of interaquifer leakage on the UFA were quantified through simulation using a modified groundwater-flow model of coastal Georgia (Payne and others, 2005). The groundwater model was used to quantify the amount of pumping reduction required in the UFA to offset drawdown from leakage resulting from pumping the LFA.

Site Description

The U.S. Department of the Army (U.S. Army) Fort Stewart and HAAF, Georgia, are home to the 3rd Infantry Division. HAAF is the focus of this investigation and is located in the Georgia Coastal Plain in central Chatham County, Georgia (fig. 1). The site is characterized by flat topography, with sandy topsoil typical of the Georgia coastal area.

The study area has a mild climate with warm, humid summers and mild winters. Long-term climatic patterns in the area are derived from records provided by the National Weather Service Station at Savannah International Airport (097847). During 1971–2000, precipitation at station 097847 averaged about 49 inches per year (in/yr). Maximum monthly rainfall (exceeding 4 inches per month) generally occurs during June–September, with monthly rainfall totals averaging less than 4 inches during the rest of the year. Mean monthly pan evaporation at station 097847 during 1965–2003 ranged from 2.43 to 8.49 inches per month, with the greatest evaporation during April–August.

Water Use

Water supply at HAAF is provided by four wells—HAAF 1, 2, 8, and 9—completed in the UFA, with a GaEPD permit limit of 1.03 Mgal/d in 2009. During 2002–2008, average monthly withdrawal exceeded 1 Mgal/d during the peak period from April through July and annual averages ranged from 0.78 Mgal/d in 2005 to 1.0 Mgal/d in 2007 (table 1). GaEPD has requested that the 2009 permitted withdrawal rate be reduced by 0.05 Mgal/d to a rate of 0.98 Mgal/d by July 2010 (Stanley Thomas, U.S. Department of the Army, oral commun., February 19, 2010).

Table 1. Average daily groundwater withdrawal at Hunter Army Airfield, 2002–2008 (data from Julia Fanning, U.S. Geological Survey, written commun., February 2010).

Year	Average withdrawal, in million gallons per day												
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual average
2002	0.81	0.96	0.98	1.18	1.29	1.07	1.04	1.02	0.86	0.61	0.60	0.58	**0.92**
2003	0.62	0.77	0.86	0.77	0.89	0.84	0.95	0.93	0.93	0.95	0.80	0.75	**0.84**
2004	0.85	0.71	0.91	1.09	1.44	1.23	1.11	1.04	0.92	0.87	0.82	0.74	**0.98**
2005	0.67	0.65	0.60	0.84	0.82	0.75	0.97	0.92	0.99	0.75	0.80	0.62	**0.78**
2006	0.68	0.67	0.83	1.08	1.09	1.10	1.07	1.11	0.87	0.95	0.91	0.81	**0.93**
2007	0.91	0.70	0.87	1.26	1.28	1.24	1.12	1.11	0.95	1.03	0.92	0.63	**1.00**
2008	0.80	0.74	0.68	0.89	1.30	1.21	1.06	0.81	1.12	1.15	0.67	0.79	**0.93**
Average	**0.76**	**0.74**	**0.82**	**1.01**	**1.16**	**1.06**	**1.05**	**0.99**	**0.95**	**0.90**	**0.79**	**0.70**	**0.91**

Hydrogeologic Setting

The 24-county coastal Georgia area is underlain by coastal plain strata consisting of consolidated to unconsolidated layers of sand and clay and semiconsolidated to very dense layers of limestone and dolomite (Clarke and others, 1990). These sediments constitute three major aquifer systems, in order of descending depth: the surficial aquifer system, Brunswick aquifer system, and Floridan aquifer system (fig. 2).

In the coastal area, the surficial aquifer system (fig. 2) consists of Miocene and younger age interlayered sand, clay, and thin limestone beds (Clarke, 2003). At HAAF, the surficial aquifer consists of fine sand at depths of less than 100 ft and largely is unconfined. Elsewhere in coastal Georgia, the aquifer system includes a water-table zone and two confined zones. The surficial aquifer system is separated from the underlying Brunswick aquifer system by a confining unit consisting of silty clay and dense, phosphatic Miocene limestone.

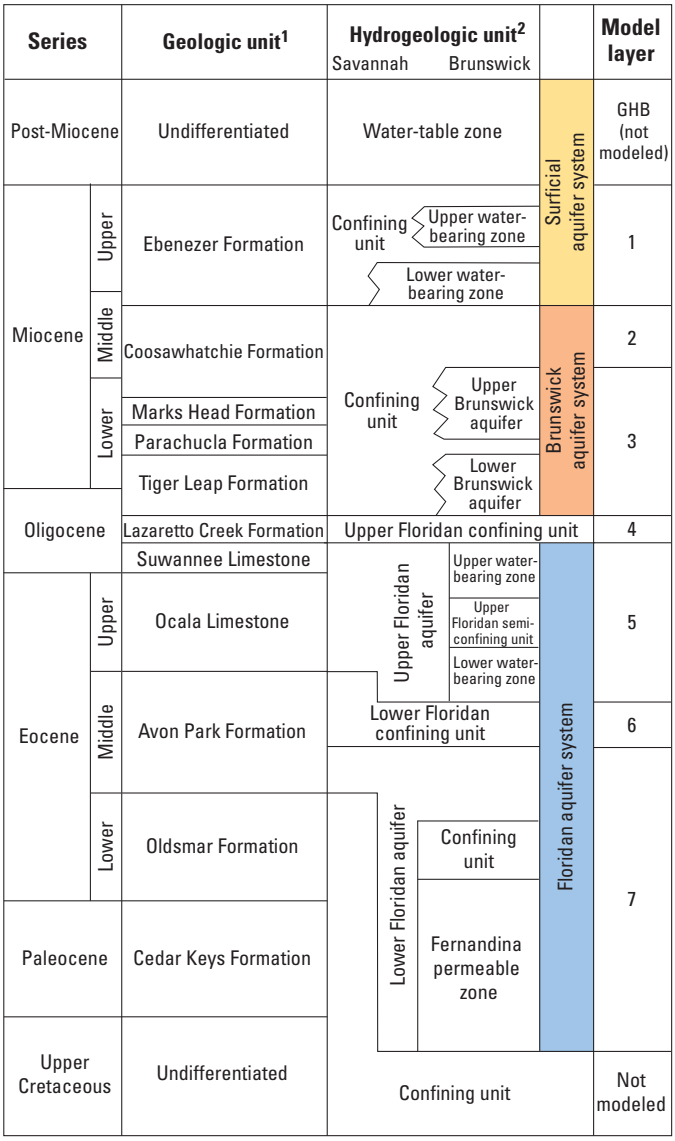
The Brunswick aquifer system (fig. 2) consists of two water-bearing zones—the upper Brunswick aquifer and the lower Brunswick aquifer (Clarke, 2003). The upper Brunswick aquifer consists of poorly sorted, fine to coarse, slightly phosphatic and dolomitic Miocene quartz sand and dense phosphatic limestone of the same age (Clarke and others, 1990). The lower Brunswick aquifer consists of poorly sorted, fine to coarse, phosphatic and dolomitic Oligocene and Miocene sand (Clarke and others, 1990). At HAAF, the Brunswick aquifer system consists of clayey fine sand and silt that has a much lower permeability than in the Brunswick, GA, area and can largely be considered a confining unit. Accordingly, in this study, sediments constituting the upper and lower Brunswick aquifers are considered a single unit, and the combined thickness and composite hydraulic properties are used for model simulations.

The principal source of water for all uses (excluding thermoelectric) in the coastal area is the Floridan aquifer system, which is composed of carbonate rocks of varying permeability. The Floridan aquifer system is confined by overlying clay layers and separated into several permeable water-bearing zones by layers of relatively denser limestone that act as semiconfining units allowing vertical leakage of groundwater. In the Savannah–Hilton Head Island area, McCollum and Counts (1964) identified five water-bearing zones in strata that would later be defined as part of the Floridan aquifer system.

The two shallowest of these water-bearing zones are part of the UFA, and the deeper three are part of the LFA (Krause and Randolph, 1989). In Beaufort County, SC, the term middle Floridan aquifer is used by the State of South Carolina (Ransom and White, 1999) for a water-bearing zone approximately 250–550 ft below land surface that is equivalent to zones 3 and 4 of McCollum and Counts (1964).

The UFA is overlain by a confining unit (fig. 2) consisting of layers of silty clay and dense phosphatic Oligocene dolomite that separate the aquifer from overlying permeable units of the Brunswick aquifer system. Reported vertical hydraulic conductivity of this confining unit, based on laboratory analysis of core, ranges from 2.3×10^{-4} to 3.0 feet per day (ft/d) (Clarke and others, 2004).

The UFA (fig. 2) is highly productive and consists of Eocene to Oligocene limestone and dolomite. Miller (1986) reported ranges in aquifer thickness in Chatham County from 400 to 600 ft. Reported transmissivity of the UFA in Chatham County ranges from 20,000 to 80,000 feet squared per day (ft^2/d) (Clarke and others, 2004). Zones of very high hydraulic conductivity exist within relatively thin intervals of the Floridan aquifer system, especially in the UFA (Clarke and others, 2004).



[1]Modified from Randolph and others, 1991; Weems and Edwards, 2001.

[2]Modified from Randolph and others, 1991; Clarke and Krause, 2000.

Figure 2. Generalized correlation of geologic and hydrogeologic units and model layers in the coastal plain of Georgia (modified from Payne and others, 2005). [GHB, general-head boundary]

The UFA is underlain by a confining unit of dense, recrystallized limestone and dolomitic limestone of middle to upper Eocene age that hydraulically separates, to varying degrees, the UFA from the LFA (fig. 2). Counts and Donsky (1963) reported the vertical hydraulic conductivity of this confining unit was 6.7×10^{-4} ft/d on the basis of laboratory analysis of a single core.

The LFA is composed of Upper Cretaceous to middle Eocene limestone and dolomitic limestone. At Savannah, the aquifer consists mostly of middle Eocene limestone, and a thickness of 100–300 ft was reported in Chatham County (Miller, 1986). Reported transmissivity of the LFA in Chatham and Bryan Counties, GA, ranged from 8,200 to 8,300 ft^2/d (Clarke and others, 2004).

The LFA is underlain by a confining unit consisting of Upper Cretaceous to lower Eocene marl, which Falls and others (2005) describe as a semi-indurated, fine-grained mixture of carbonate, clay, silt, and sand that generally is dominated by clay and silt. The base of the Floridan aquifer system and the underlying marl is recognized on natural-gamma logs by a sharp increase in counts per second from carbonate strata to the marl (Falls and others, 2005).

The permeability of the Floridan aquifer system is reduced in the vicinity of the Gulf Trough (fig. 3)—a zone of relatively thick accumulations of fine-grained clastic sediments and clay-bearing carbonates where the permeability of coastal plain deposits decrease. In this area, groundwater flow is partially impeded by the juxtaposition of rocks of higher permeability updip and downdip from the trough, with rocks of lower permeability within the trough (Krause and Randolph, 1989).

Groundwater Flow

Groundwater flow in the Floridan aquifer system mainly is controlled by rates and distribution of recharge to and discharge from the system, the extent and effects of confinement, and the ability of aquifers to transmit and store water (Krause and Randolph, 1989). A schematic diagram of the conceptualized predevelopment (no pumping) and modern-day (2000) flow systems in coastal Georgia is shown in figure 3. Water recharges the aquifers in the northern part of the coastal area where they are exposed at or near land surface and flows mostly southeastward toward the coast where it discharges into overlying units and surface-water bodies. Prior to development, the flow system was considered to have been at dynamic equilibrium, and potentiometric surfaces were considered nearly static from year to year.

The modern-day flow system reflects changes that have occurred as a result of groundwater development (withdrawal). Groundwater withdrawal has lowered water levels, induced additional recharge and reduced natural discharge, and degraded the quality of water in places along the coast.

An extensive cone of depression has developed in the potentiometric surface of the UFA in the Savannah area (fig. 1). HAAF lies within this regional cone of depression. Here, the principal direction of groundwater flow is toward the center of the cone of depression near Savannah.

Saltwater contamination is restricting the development of groundwater supply in coastal Georgia and adjacent parts of South Carolina and Florida (Krause and Clarke, 2001). Pumping from the UFA has resulted in substantial groundwater-level decline and subsequent saltwater intrusion from underlying strata containing highly saline water at Brunswick, GA, and encroachment of seawater at the northern end of Hilton Head Island, SC. Saltwater contamination at these locations has constrained further development of the UFA in the coastal area and has created competing demands for the limited supply of freshwater.

Well and Stream Site Identification

In this report, wells are identified by using a local site name, such as HAAF 11 and a USGS numbering system based on USGS topographic maps (such as 36Q392). In Georgia, each 7½-minute topographic quadrangle map has been given a number and letter designation beginning at the southwestern corner of the State. Numbers increase eastward through 39, and letters increase alphabetically northward through "Z" and then become double-letter designations "AA" through "PP." The letters "I" and "O" are not used. Wells inventoried in each quadrangle are numbered sequentially beginning with "1." For example, well HAAF 8 is the 292nd well inventoried in the Garden City quadrangle (map 36Q) and is designated 36Q292.

Surface-water stations are identified by a numbering system used for hydrologic-station records in USGS publications since October 1, 1950. The order of listing stations is in a downstream direction along the main channel. All stations on a tributary entering upstream from a main stream station are listed before that station. Each surface-water station is assigned a unique 8- to 14-digit number. Each station number, such as 02352500, begins with the 2-digit identifier "02," which designates the major river basin (for example, "02" is the South Atlantic Slope Basin), followed by the downstream-order number, "352500," which can range from 6 to 12 digits.

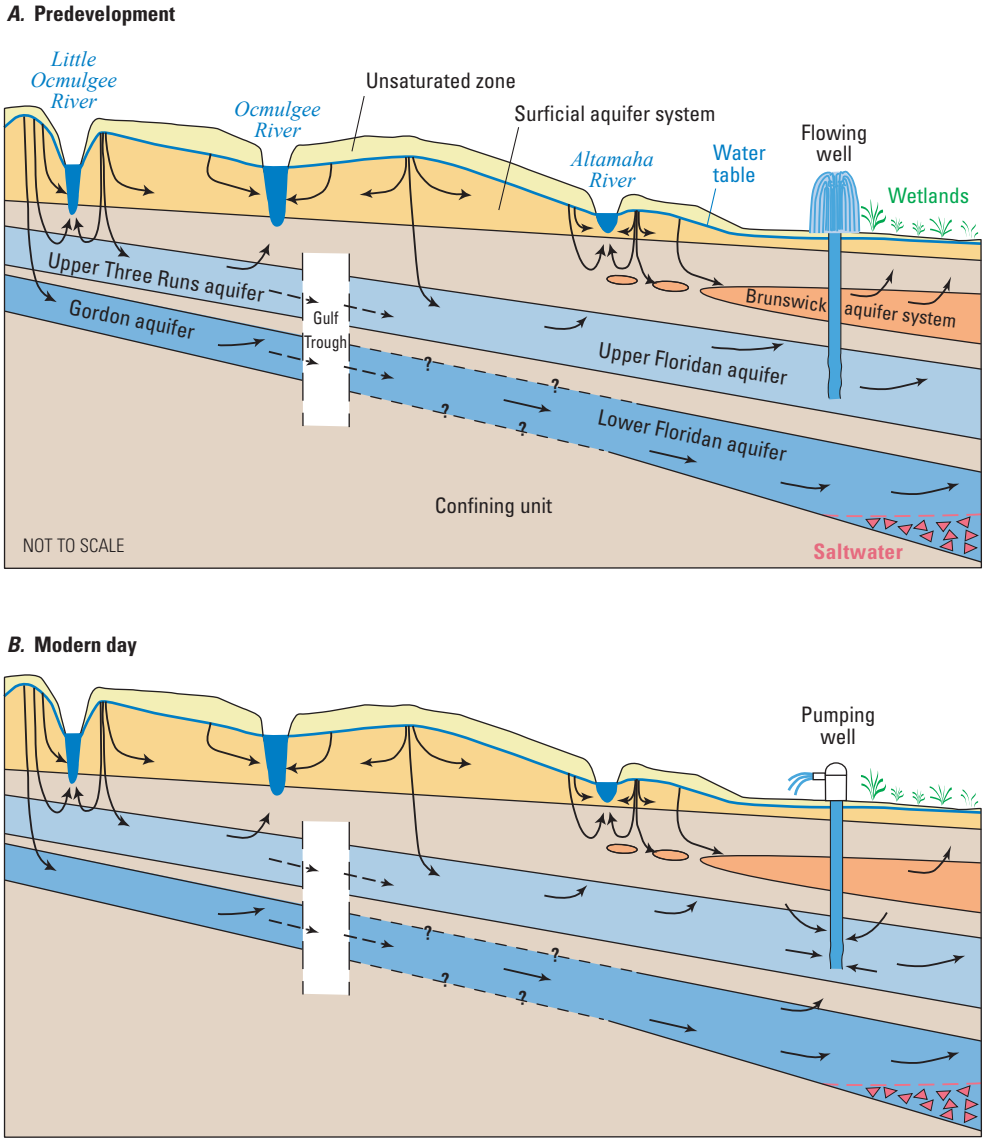


Figure 3. Schematic diagram showing conceptual model of *(A)* predevelopment and *(B)* modern-day (2000) flow system (modified from Priest, 2004; Payne and others, 2005).

Methods of Data Collection and Analysis

To assess the hydrogeology and water quality of the Floridan aquifer system at HAAF, site investigations were conducted during 2009, including construction of a 1,168-ft test boring and a new well (HAAF 11, 36Q392) completed in the LFA adjacent to existing HAAF Upper Floridan production well HAAF 8 (36Q292, fig. 1). Well construction and location information for all wells used during this study are listed in table 2.

Test Well Drilling

The LFA test well (HAAF 11, 36Q392) completed for this study was drilled at HAAF during May–June 2009. Drilling was conducted in several stages to accommodate collecting core, conducting geophysical logging, and completing various hydraulic tests (table 3). Prior to well completion, a pilot hole was drilled using (1) hydraulic mud-rotary methods and a bentonite-based drilling fluid through unconsolidated sediments to a depth of 333 ft, and (2) reverse-air rotary methods through consolidated limestone

Table 2. Well-construction and location information for selected wells at Hunter Army Airfield and vicinity.

[NAD 83, North American Datum of 1983; NGVD 29, National Geodetic Vertical Datum of 1929; gal/min, gallon per minute; UF, Upper Floridan; LF, Lower Floridan; OW, not pumped (observation well)]

Well identifier	Well name	Site identification	Latitude	Longitude	Altitude (feet above NGVD 29)	Open interval (feet below land surface)		Year of construction	Aquifer	Well yield (gal/min)
			Decimal degrees (NAD 83)			Top	Bottom			
35P110	Richmond Hill UF TW	315443081185902	31.9119	–81.3164	10	314	441	2000	UF	OW
35P125	CSSI Richmond Hill modified LF well	315443081185903	31.9120	–81.3163	12	1,010	1,095	2000	LF	OW
36Q020	Morrison Plantation	320021081124801	32.0060	–81.2132	13	330	336	1948	UF	OW
36Q285	U.S. Army, HAAF 1	320145081080601	32.0294	–81.1348	23	259	504	1940	UF	1,300
36Q286	U.S. Army, HAAF 2	320115081074501	32.0210	–81.1290	35	260	555	1942	UF	1,200
36Q288	U.S. Army, HAAF 5	320001081110401	32.0005	–81.1845	11	85	380	1956	UF	OW
36Q292	U.S. Army, HAAF 8	320003081102301	32.0009	–81.1726	22	255	375	1956	UF	80
36Q330	Berwick Plantation Lower Floridan well	320139081134002	32.0275	–81.2278	11	718	1,080	2002	LF	800
36Q391	U.S. Army, HAAF 9	320018081100601	32.0049	–81.1759	16	270	425	2006	UF	600
36Q392	U.S. Army, HAAF 11	320005081102101	32.0014	–81.1725	20	703	[1]1,112	2009	LF	750

[1] Original borehole depth 1,168 feet; backfilled to 1,112 feet.

Table 3. Chronology of drilling, logging, and testing in Lower Floridan Well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia, 2009.

Drilling stage	Testing/remarks
Stage 1: drilled a 32-inch hole with mud-rotary methods to 109 feet; set and grouted 24-inch casing to 86 feet	No logs collected in this interval.
Stage 2: drilled a 23-inch hole with mud-rotary methods to 350 feet; set and grouted 16-inch casing to 333 feet	Caliper and electric logs collected in mud-rotary hole prior to setting casing.
Stage 3: drilled an 8-inch pilot hole with reverse air-rotary methods to 1,168 feet; collected spot core at selected intervals during drilling	Caliper, electric, acoustic, and optical televiewer, and full-wave sonic logs collected in water-filled hole; ambient and pumping flowmeter traverses were run to determine the depth and yield of water-bearing zones and identify confining bed; packer tests completed in the confining bed.
Stage 4: reamed pilot hole from 8-inch to 16-inch to a depth of 705 feet and set and grouted 8-inch casing to 703 feet	Casing set to occlude Upper Floridan aquifer; no logs collected during this stage.
Stage 5: cleaned out bottom part of hole from 703 to 1,112 feet	Removed cuttings from bottom part of hole for final development and well completion; ambient and pumping flowmeter traverses were run to confirm depth and yield of water-bearing zones in the completed well.

of the UFA and LFA to a depth of 1,168 ft. Packer tests, ambient/pumping flowmeter traverses, and grab water samples were collected in the open borehole. These tests were critical in determining depths of the confining unit and water-bearing zones, and groundwater quality. Using this information, casing was installed to a depth of 703 ft, and the well was backfilled to a total depth of 1,112 ft, leaving an open-hole interval of 703–1,112 ft. Well-construction details are listed in table 2 and shown in figure 4.

During drilling, rock cuttings were collected every 10 ft from land surface to the bottom of the borehole, and changes in drill-bit penetration rates and the specific conductance of drilling fluids were monitored and recorded. Reflected-light microscopy was used to describe the mineralogy and texture of rock cuttings. Changes in drill-bit penetration rates were compared to lithologic changes observed in cuttings to assist in determining the depth intervals of contacts between rock units and voids, including solution cavities in the subsurface. A generalized description of rock cuttings is provided in table 4.

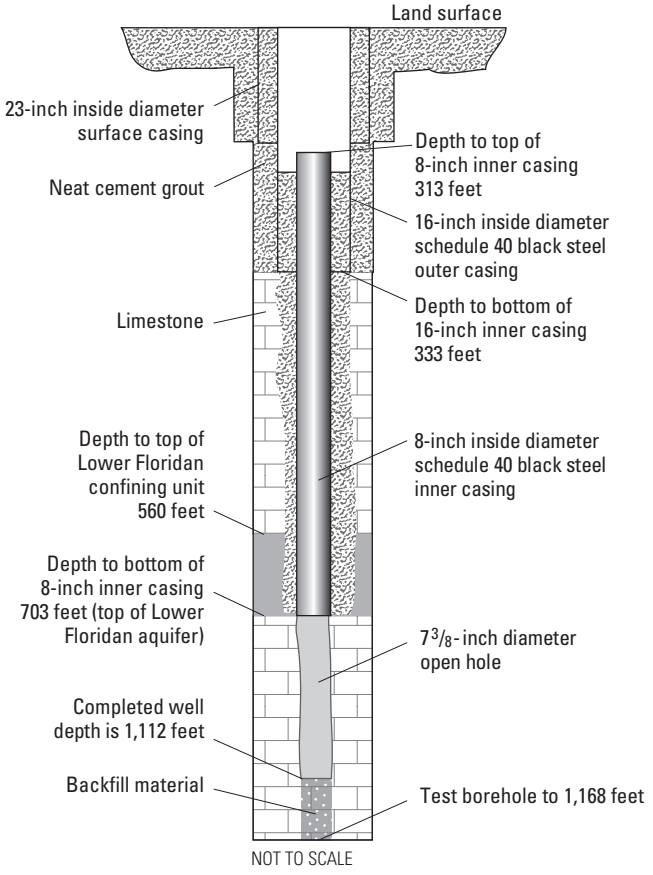


Figure 4. Well-construction diagram for well HAAF 11 (36Q392) completed in the Lower Floridan aquifer, Hunter Army Airfield, Chatham County, Georgia, 2009.

Table 4. Lithologic description of rock cuttings, well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia.

Hydrogeologic unit	Depth, in feet below land surface		Lithologic description
	Top	Bottom	
Surficial aquifer	0	60	Light gray silty fine to very fine sand
Upper Floridan confining unit	60	100	Greenish gray silty clay
	100	115	Dark-greenish gray to greenish gray clayey sand and silt, trace shell fragments
	115	195	Greenish gray, micaceous clay with minor siltstone
	195	205	Dark greenish gray silty clay, abundant (5-15 percent) phosphate, sharks teeth, bone fragments
	205	245	Dark-greenish gray phosphate bearing silty clay, some dolomite crystals
	245	247	Dark greenish gray clay, includes calcium carbonate nodules, phosphate, and quartz
	247	275	Fossiliferous limestone (calcarenite) with well-rounded quartz sand, black phosphate grains
	275	285	Light gray poorly-sorted well rounded calcareous clayey sand
Upper Floridan aquifer	285	315	Light gray sandy limestone with disseminated phosphate and quartz sand; phosphate abundant between 295–300 feet
	315	344	Light tan-very pale brown limestone with trace amounts phosphate
	344	354	Tan to buff limestone (calcarenite). Note that in this interval the drill rig lost circulation, discharge water was dark brown, and that the driller thought this was clay; however, no clay was found in this interval
	354	374	Speckled gray limestone (calcarenite) with black phosphate grains finely disseminated throughout, 0.5-foot thick shell bed (bivalves) at 362 feet
	374	434	White limestone (calcarenite) and bryozoan hash, trace brown chert
	434	454	White to light gray limestone (calcarenite), abundant bryozoans, trace glauconite
	454	524	Same as above, very porous and loosely packed, poorly indurated
	524	560	Light gray limestone (calcarenite) with fine glauconite, porous, abundant bryozoans, bivalves, and coral
Lower Floridan confining unit	560	595	White dolomitic limestone (calcarenite) and bryozoan hash; also light greenish-gray, glauconitic, chalky hash
	595	635	White limestone (fine-calcarenite), slightly chalky and less porous than above
	635	645	White to light gray dolomitic limestone (calcarenite), abundant bryozoans, trace glauconite
	645	660	White chalky limestone (calcarenite) with a trace of carbonate mud and glauconite
	660	675	White dolomitic limestone (fine to very fine calcarenite), abundant bivalves and oyster fragments at top of interval
	675	703	White limestone (fine to very fine chalky calcarenite) with traces of silt, sand, and glauconite

Table 4. Lithologic description of rock cuttings, well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia.—Continued

Hydrogeologic unit	Depth, in feet below land surface		Lithologic description
	Top	Bottom	
Lower Floridan aquifer	703	715	White shell hash of forams and bryozoans, fragments of chalky, glauconitic limestone
	715	725	Light gray limestone (calcarenite), poorly indurated and porous, with some fine chalky glauconitic fragments
	725	755	Light gray dolomitic limestone contains abundant bryozoans, porous, increase in grain size downward
	755	785	White limestone (calcarenite), abundant shell fragments, trace glauconite, trace black opaques (possibly phosphate or pyrite)
	785	792	Light gray dense limestone with molds and white poorly indurated porous bryozoan hash
	792	825	Light gray to greenish gray porous limestone (calcarenite), porous, glauconitic, abundant bryozoan and shell fragments
	825	865	Light gray to white, limestone (fine-grained calcarenite), slightly chalky and glauconitic, abundant shell, coral, and bryozoan fragments. Interval at 845–850 feet is dolomitic
	865	900	Light grey-greenish grey glauconitic limestone (fine calcarenite) with chalky material in pore space. Abundant fossil hash
	900	925	Light gray limestone (coarser-grained calcarenite, trace glauconite, fairly clean calcarenite with varying degrees of cementation
	925	965	Light gray, chalky limestone (calcarenite), some glauconite
	965	1,021	Light-greenish gray limestone (fine chalky calcarenite), trace glauconite. Interval at 985–995 dolomitic
	1,021	1,025	Mixture of light-greenish gray crystalline limestone and porous well- cemented medium-grained calcarenite
	1,025	1,052	Same as above but with glauconite disseminated throughout, abundant fossil hash 1,025–1,045 feet
	1,052	1,075	Same as above
	1,075	1,080	Light gray glauconitic limestone (fine chalky calcarenite) with trace phosphate
Confining unit	1,080	1,125	Light gray limestone (chalky, dense calcarenite) with abundant brown chert and beds of brown dolomitic limestone
	1,125	1,168	Mixture of white and brown limestone (fine calcarenite) and dolomitic limestone, dense and well cemented. Abundant brown chert at bottom

Borehole Geophysical Logs

Borehole geophysical logs were collected at various stages of drilling to characterize the physical properties of sediments penetrated. The first set of logs was collected in the 0–333 ft interval, where mud-rotary drilling was used to penetrate Miocene and younger clastic sediments. The second set of logs was collected in the 333–1,168 ft interval, following installation of 16-inch casing to a depth of 333 ft. Borehole geophysical logs include caliper; natural gamma; spontaneous potential; single-point, lateral, long- and short-normal resistivity; borehole fluid resistivity and temperature; full-waveform sonic; acoustic televiewer (not shown in this report); and optical televiewer. Selected borehole geophysical data from well HAAF 11 (36Q392) are shown in figure 5.

A variety of geophysical logs were used to indicate the locations of permeable zones in the hydrogeologic units.

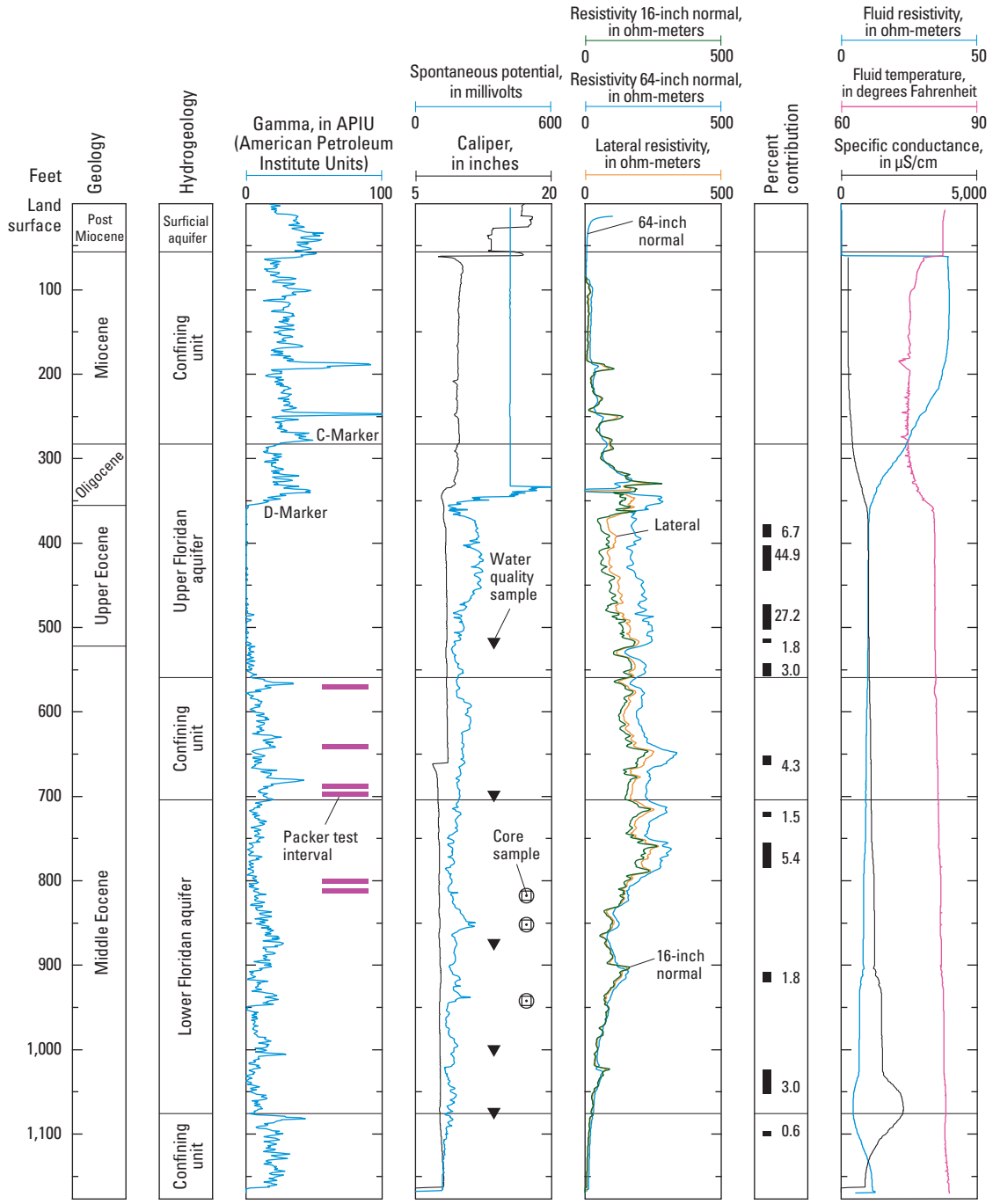


Figure 5. Selected borehole geophysical data from well HAAF 11 (36Q392). Percentage flow contribution determined from flowmeter survey in open borehole, 333–1,168 feet (see figure 6*A*), Hunter Army Airfield, Chatham County, Georgia (modified from Williams, 2010). [µS/cm, microsiemens per centimeter at 25 degrees Celsius]

Sharp increases on formation resistivity logs (single-point, lateral, and long- and short- normal resistivity) were observed and often corresponded to locations of water-bearing intervals that were later identified through flowmeter testing. Additional information on the locations of water-bearing intervals was provided by optical televiewer and full-waveform sonic (variable density) logs. The optical televiewer provides a photographic snapshot inside the borehole, enabling visual identification of solution openings and less permeable intervals in the rock units. The full-waveform sonic log provides an indication of the relative velocity of soundwaves traveling through bedrock. In general, when travel times are relatively rapid, bedrock is denser; when travel times are relatively slow, more voids are present. Zones of secondary permeability shown in figure 5 were derived by examining images from the optical televiewer and full-waveform sonic log.

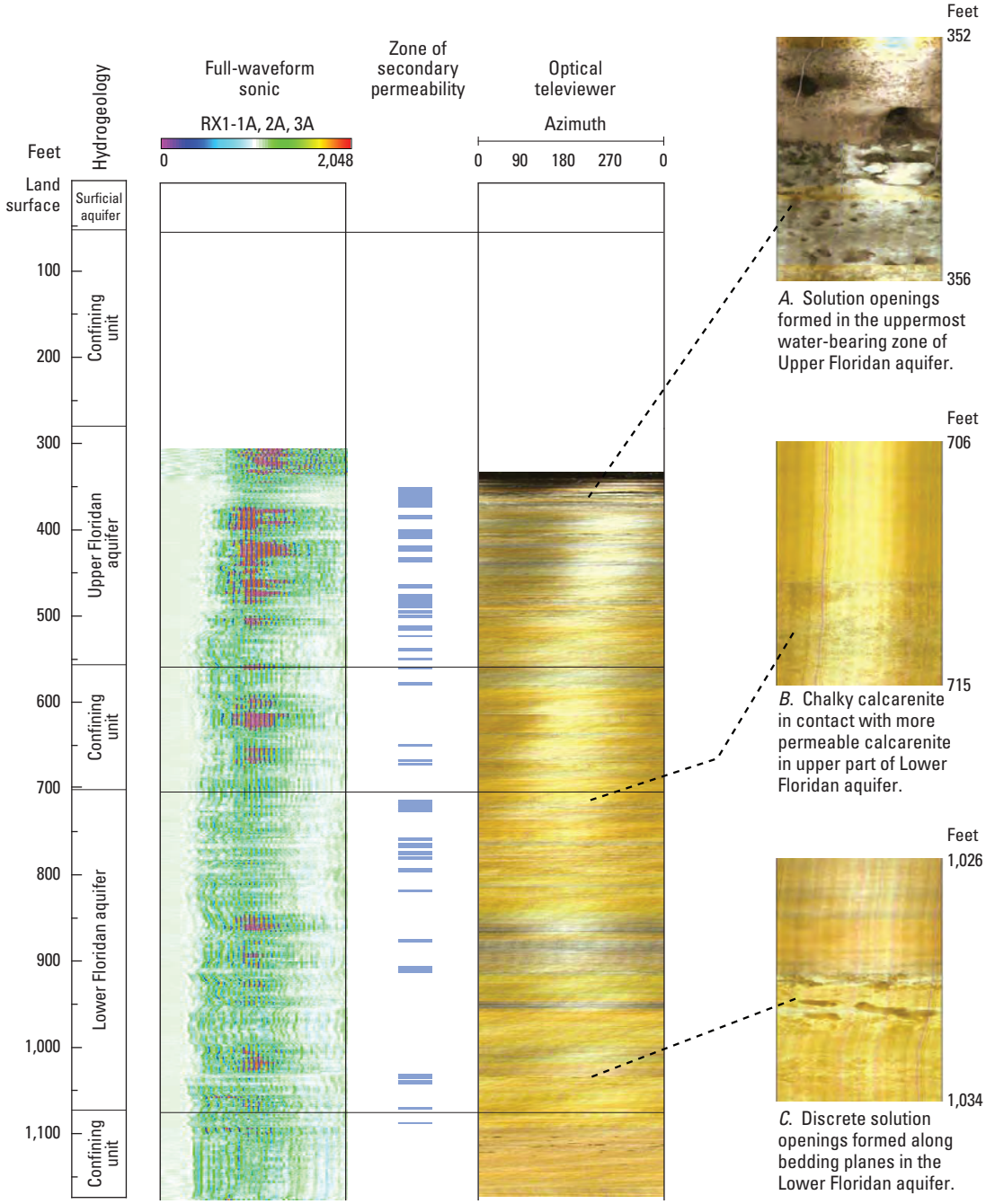


Figure 5. Selected borehole geophysical data from well HAAF 11 (36Q392). Percentage flow contribution determined from flowmeter survey in open borehole, 333–1,168 feet (see figure 6*A*), Hunter Army Airfield, Chatham County, Georgia (modified from Williams, 2010). [µS/cm, microsiemens per centimeter at 25 degrees Celsius]—Continued

Flowmeter Testing

Flowmeter testing provided valuable insight regarding the relative contribution of flow from water-bearing zones in the UFA and LFA and confinement between the two aquifers (fig. 6*A*, *B*). This information ensured accurate placement of well casing in the completed well. Tests were conducted in two stages—(1) June 17, 2009, upon completion of drilling to a total depth of 1,168 ft and prior to installation of the 8-inch casing to test flow in the 333–1,168 ft interval (UFA and LFA, fig. 6*A*), and (2) August 15, 2009, after installation of the 8-inch casing to test flow in the 703–1,112 ft interval (LFA only, fig. 6*B*). The first stage included assessment of borehole flow, pumping at a rate of 847 gallons per minute (gal/min), during the second stage borehole flow was measured at a rate of 748 gal/min. Testing was conducted by installing a test pump in the well and pumping while several traverses were made in the open borehole with an electromagnetic (EM) flowmeter to measure accumulated flow up the borehole (fig. 6*A*, *B*).

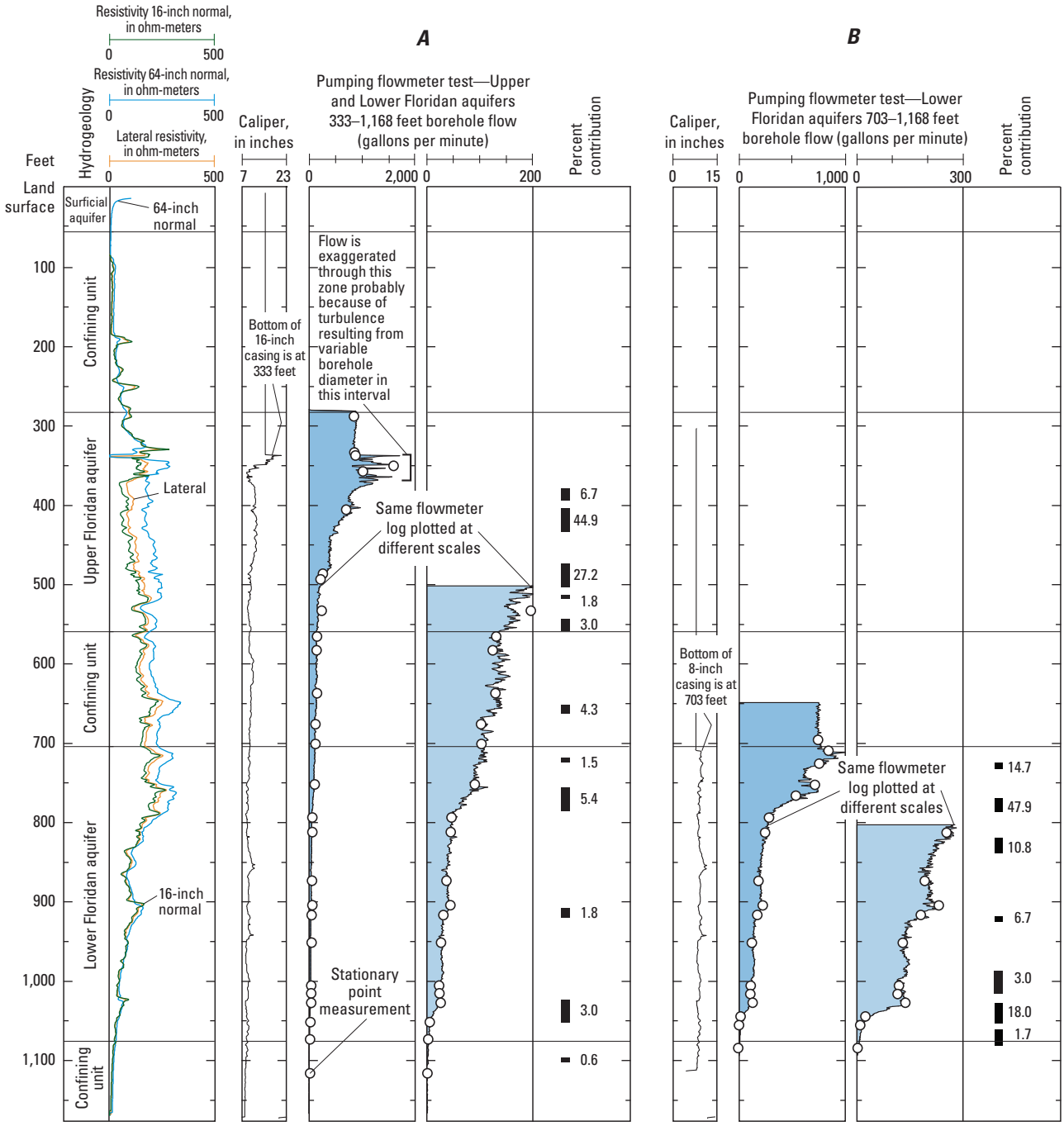


Figure 6. Borehole flowmeter data from well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia: *(A)* pumping flowmeter survey of the Upper and Lower Floridan aquifers completed on June 17, 2009, prior to installation of casing; and *(B)* pumping flowmeter survey of the Lower Floridan aquifer completed on August 15, 2009, after installation of casing (modified from Williams, 2010).

Water-Quality Sampling and Analysis

To assess vertical distribution of water quality, specific conductance of discharge water was monitored with a calibrated water-quality meter as reverse air drilling of the pilot hole progressed. After drilling the length of each 20-ft section of drill pipe, water samples were collected and specific conductance was measured (fig. 7). The pilot hole was terminated at a depth of 1,168 ft because a sharp rise in the specific conductance of drilling fluids to about 1,063 microsiemens per centimeter (µS/cm) at about 1,055 ft indicated that water quality had degraded from fresh to brackish.

During borehole flowmeter testing, a wireline water sampler was used to collect water samples at five separate intervals in the open borehole (table 5; fig. 8). These samples represent a composite of water entering the borehole beneath that depth. For example, the sample at 1,000 ft represents a composite of water entering the borehole between 1,000 ft and the total depth of the borehole, 1,168 ft. Water samples were removed from the wireline sampler as it emerged from the borehole using a peristaltic pump to transfer the water into sample bottles.

Upon completion of well construction, a water sample was collected and analyzed from the completed (703–1,112 ft) well near the end of the 72-hour aquifer test. Samples were analyzed for major ions, including chloride and sulfate, and for alkalinity as calcium carbonate, an indicator of hardness. Water samples for ion analysis were filtered using 0.45-micrometer capsule filters and analyzed at Test America Laboratories, Savannah, GA. Water-quality analyses are summarized in table 5 and figure 8. A trilinear diagram showing the relative composition of major ions in water from the various depth intervals is shown in figure 9. In general, constituent concentrations increase with depth of sampled interval.

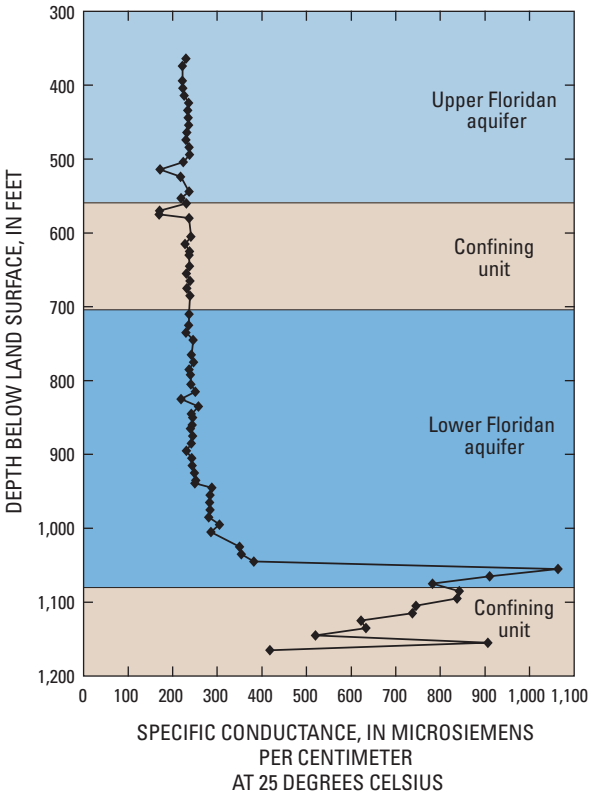


Figure 7. Specific conductance of drilling fluids while drilling well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia, 2009.

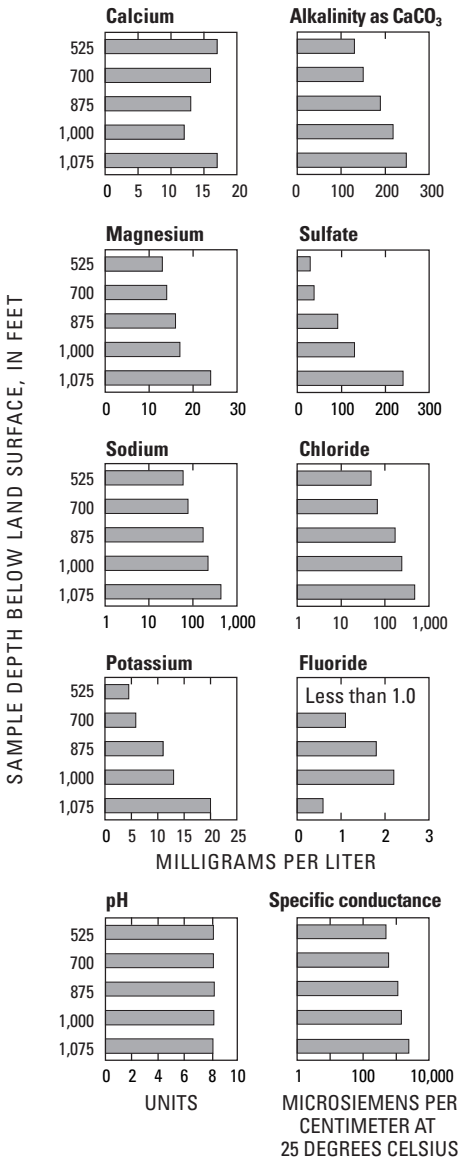


Figure 8. Distribution of selected chemical properties and constituent concentrations by sampled depth at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia, July 2009.

Table 5. Water-quality analysis of samples collected at selected depths in well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia, June and August 2009.

[Hydrogeologic unit: UF, Upper Floridan aquifer; LFA, Lower Floridan aquifer; —, not analyzed; <, less than]

Collection date	Sample depth, in feet	Hydrogeologic unit	pH laboratory	Laboratory specific conductance, in microsiemens per centimeter at 25 degrees Celsius	Dissolved concentration, milligrams per liter									Dissolved concentration, in micrograms per liter	
					Calcium	Magnesium	Sodium	Potassium	Alkalinity as $CaCO_3$	Sulfate	Chloride	Fluoride	Dissolved solids, residue on evaporation	Iron	Manganese
U.S. Environmental Protection Agency Secondary Maximum Contaminant Level[1]					—	—	—	—	—	250	250	[2]4	—	300	50
6/22/2009	525	UF	8.20	480	17	13	60	4.5	130	29	48	<1.0	—	—	—
6/22/2009	700	LFA	8.21	580	16	14	77	5.9	150	38	66	1.1	—	—	—
6/22/2009	875	LFA	8.25	1,100	13	16	170	11	190	92	170	1.8	—	—	—
6/22/2009	1,000	LFA	8.22	1,400	12	17	220	13	220	130	240	2.2	—	—	—
6/22/2009	1,075	LFA	8.17	2,400	17	24	440	20	250	240	480	0.59	—	—	—
8/16/2009	[3]705–1,112	LFA	8.20	520	17	14	67	5.3	150	32	51	<1.0	280	<50	<10

[1] *http://www.epa.gov/safewater/contaminants/index.html#mcls*, accessed July 14, 2009.

[2] Primary standard.

[3] Completed well.

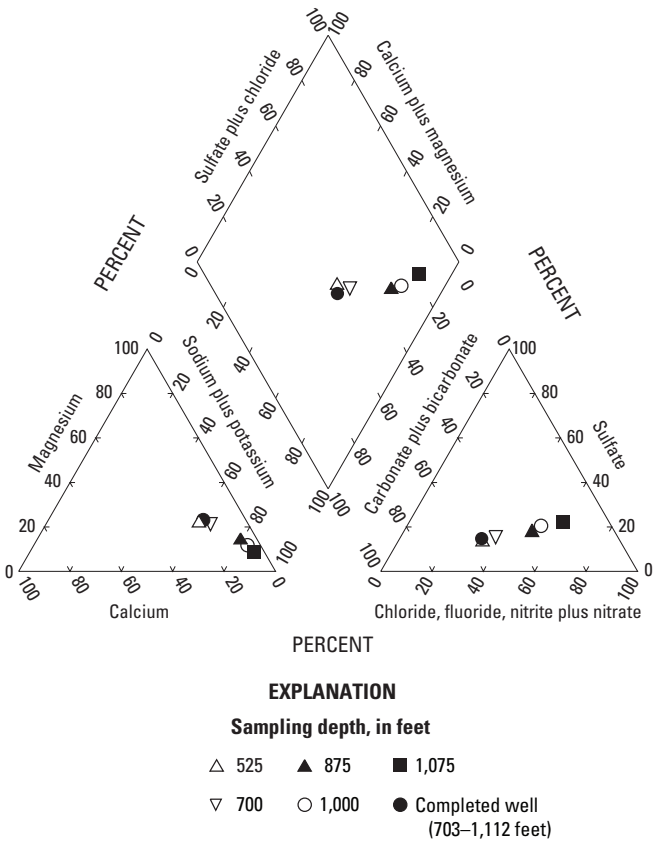


Figure 9. Trilinear diagram showing composition of major ions at various depths at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia, July 2009. [Percentages are based on milliequivalents per liter]

Core Hydraulic Analysis and Packer-Slug Tests

To evaluate the hydraulic conductivity of the LFA, core samples were collected and analyzed for vertical hydraulic properties at a testing laboratory, and packer-slug tests were conducted in the borehole for horizontal hydraulic properties. Samples were collected at depths of 817.8–818.4; 851.8–852.2; and 941.9–942.6 ft and submitted to S&ME Inc., Savannah, GA, for hydraulic testing of vertical hydraulic conductivity (K_v) and porosity (table 6). These largely consolidated core samples were preserved onsite using procedures described in ASTM D5079 and analyzed using a flexible wall permeameter following procedures described in ASTM D5084.

Additional information on the hydraulic conductivity of hydrogeologic units was obtained by conducting packer-slug tests at selected intervals: 571–575, 641–645, 688–692, 698–702, 802–806, and 812–816 ft (table 7). A description of the techniques used to deploy and test the integrity of the packer system is provided in Holloway and Waddell (2008). Each of the test intervals was isolated using straddle packers, and a slug of water was injected into the interval and the rate of head decline was recorded. Data were analyzed for horizontal hydraulic conductivity (K_h) using the Bouwer and Rice (1976) method. The Bouwer and Rice (1976) method assumes that the aquifer has an infinite areal extent, is homogeneous with a uniform thickness, the test well is fully or partially penetrating, effects of storage are negligible, flow to the well is quasi-steady-state, and the slug is introduced into the well instantaneously.

Aquifer Tests

Aquifer tests were conducted in an existing UFA well (HAAF 9, 36Q391) and in the newly constructed LFA well (HAAF 11, 36Q392) to determine hydraulic properties of the aquifers and whether pumping the LFA well produced a drawdown response in the UFA. Details on these tests are provided in Williams (2010); a brief description is provided here and in subsequent sections; results are summarized in table 8.

Table 6. Vertical hydraulic conductivity and porosity of core samples collected from the Lower Floridan aquifer at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia.

[Analyses by S&ME, Inc., Savannah, Georgia]

Interval (feet below land surface)	Vertical hydraulic conductivity (feet per day)	Porosity (percent)
817.8–818.4	0.20	36.6
851.8–852.2	0.13	44.1
941.9–942.6	0.34	51.8

Table 7. Horizontal hydraulic conductivity determined from packer-slug tests at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia (modified from Williams, 2010).

Hydrogeologic unit	Interval, in feet below land surface	Horizontal hydraulic conductivity, in feet per day[1]	Estimated vertical hydraulic conductivity, in feet per day[2]
Lower Floridan confining unit	571–575	1.1	0.13
	641–645	3.1	0.36
	688–692	0.16	0.02
	698–702	0.20	0.02
Lower Floridan aquifer	802–806	1.7	0.19
	812–816	1.7	0.20

[1] Estimated using Bouwer and Rice (1976) method.

[2] Estimated on the basis of the ratio of horizontal to vertical hydraulic conductivity of core from 817.8- to 818.4-foot interval (table 6) and packer test from 812- to 816-foot interval.

Table 8. Summary of aquifer tests conducted in Upper and Lower Floridan aquifer wells at Hunter Army Airfield, Chatham County, Georgia, 2009.

[—, not applicable]

Pumping well	Observation well	Hydrologic unit	Testing period	Test duration (hours)	Average pumping rate in gallons per minute	Transmissivity, in feet squared per day	Storage	Remarks
HAAF 9 (36Q391)	HAAF 8 (36Q292)	Upper Floridan	February 17–18, 2009	24	430	39,700	2.54×10^{-04}	Computed using Hantush (1960) leaky aquifer solution. Drawdown was corrected for tidal and other fluctuations prior to analysis.
HAAF 11 (36Q392)	—	Lower Floridan	August 13–16, 2009	72	748	10,700 (drawdown), 12,100 (recovery)	—	Single well test conducted upon completion of Lower Floridan well open from 703 to 1,112 feet. Analysis used Theis (1935) solution. Drawdown was corrected for tidal and other fluctuations prior to analysis. Drawdown also monitored in Upper Floridan wells HAAF 5 and HAAF 8 to assess inter-aquifer leakage response.

To determine transmissivity of the UFA, a 24-hour aquifer test was conducted February 17–18, 2009. For this test, well HAAF 9 (36Q391) was pumped at an average rate of 430 gal/min, and drawdown response was observed in the pumped well and in well HAAF 8 (36Q292), located about 2,020 ft to the southwest (table 2; fig. 1). A similar 72-hour test was conducted August 13–16, 2009, in well HAAF 11 (36Q392) to determine the transmissivity of the LFA. For this test, well HAAF 11 (36Q392) was pumped at an average rate of 748 gal/min, and water levels were recorded in the pumped well and in two observation wells (wells HAAF 5 and HAAF 8), completed in the UFA, to assess interaquifer leakage response. For each test, data were collected and analyzed using the following procedures:

- Prior, during, and after each aquifer test, water levels were monitored to determine static water levels and assess ambient water-level fluctuations and trends.
- Upon completion of the pumping period, water-level recovery was monitored for a minimum period equal in length to the pumping period.
- Test data were corrected to remove tidal and barometric fluctuations and influence of regional pumping trends.

Aquifer test drawdown data were evaluated for local hydraulic properties using analytical solutions (Williams, 2010).

Groundwater-Flow Model

A groundwater-flow model previously developed by the USGS (Payne and others, 2005) was modified for finer spatial resolution and site-specific data to assess (1) the amount of induced interaquifer leakage and drawdown in the UFA resulting from pumping the LFA at a rate of 748 gal/min, and (2) the equivalent amount of pumpage from the UFA that would replicate simulated drawdown in the UFA (that resulted from pumping the LFA) at two alternate locations (A) adjacent to the newly constructed LFA well and (B) at a distance of 3,600 ft from the new well. The revised model also was used to simulate groundwater-pumping scenarios evaluating the effect of various pumping redistributions on groundwater conditions at HAAF. Modifications to the groundwater model are described in the appendix.

Hydrogeology and Water Quality of the Floridan Aquifer System

Miller (1986) provided a regional definition of the Floridan aquifer system on the basis of stratigraphic and borehole geophysical data that were widely spaced over the coastal area of Georgia and South Carolina. New hydrogeologic and water-quality data were used as a basis to refine the definition of the Floridan aquifer system at HAAF. Initial estimates of the depth and thickness of units constituting the Floridan aquifer system were obtained using Miller's (1986) structural contour maps. These maps indicated that the Floridan aquifer system at HAAF was approximately 760-ft thick, with the UFA between altitudes of –240 ft and –790 ft (NGVD 29) and the LFA between altitudes of –930 and –1,000 (NGVD 29). Given a land surface altitude of 20 ft (NGVD 29) at the HAAF drilling site, Miller's (1986) projected depths below land surface to the UFA were 260 to 810 ft, and to the LFA were 950 to 1020 ft. Subsequently, these depths were adjusted based on data collected from the newly constructed HAAF test well (HAAF 11, 36Q392).

In general, hydrogeologic units of the Floridan aquifer system can be distinguished by differences in flow contribution, lithology, geophysical signatures, and water quality. The following sections describe the depths, hydraulic properties, and water quality of hydrogeologic units that constitute the Floridan aquifer system at HAAF.

Upper Floridan Aquifer

The UFA at well HAAF 11 (36Q392) is present between depths of 285 and 560 ft and includes several high permeability zones in limestone (table 4; fig. 5). The top of the aquifer is composed of the Oligocene Suwannee Limestone and corresponds to a spike in the natural-gamma log called the "C-marker" (Wait, 1965; Gregg and Zimmerman, 1974; Clarke and others, 1990). The thickest part of the aquifer is composed of upper Eocene Ocala Limestone, which is characterized by a very low natural-gamma level, the top of which is called the "D-marker" (Wait, 1965; Gregg and Zimmerman, 1974; Clarke and others, 1990). The base of the aquifer (560 ft) is present in the uppermost part of middle Eocene limestone (Avon Park Formation) and was designated on the basis of flowmeter data that indicated a large reduction in borehole flow at that depth.

At well HAAF 11, the uppermost part of the UFA at 285–333 ft was isolated by well casing and not evaluated during flowmeter testing. Interpretation of borehole flowmeter data for June 17, 2009, indicates five main water-bearing intervals at the HAAF 11 (36Q392) well site: 380–395, 405–435, 475–505, 515–520, and 545–560 ft (fig. 6*A*). These intervals seem to coincide with the development of secondary permeability in the aquifer in the form of solution cavities and voids that have a higher permeability than the native-rock matrix. Formation-resistivity logs indicate that each of these water-bearing intervals coincides with an increase in resistivity (fig. 5). Solution openings in the uppermost part of the UFA are evident for the 352–356 ft interval as shown on the optical televiewer log (fig. 5). Flowmeter data indicated that when pumping at a rate of 847 gal/min, 83.5 percent of the total flow came from the UFA, and the remaining 16.5 percent of the total flow came from the underlying confining unit and the LFA.

Water-bearing intervals of 405–435 ft and 475–505 ft in the UFA produced the highest percentage of accumulated flow with an estimated 610 gal/min or 72 percent of the total pumpage. The remaining three zones in the UFA produced a combined flow of 97 gal/min or 11.5 percent of the total pumpage. The base of the UFA, which is the top of the Lower Floridan confining unit, was designated at a depth of 560 ft, where a contribution to borehole flow was not detected.

Water from the UFA can be distinguished from that of the LFA by lower specific conductance and concentrations of dissolved constituents, and by differences in the relative percentage of constituents (water type). Monitoring of reverse-air drilling fluids (formation water) indicates that water from the UFA, compared to deeper units, is relatively low in dissolved solids as indicated by lower specific conductance values, averaging 226 µS/cm (fig. 7). During flowmeter testing on June 22, 2009, a water-quality sample was collected using a wireline sampler in the open borehole from the UFA at a depth of 525 ft and analyzed for major ions (table 5; figs. 8, 9). Water from this interval represents a composite sample collected between 525 ft and the bottom of the borehole at 1,168 ft. Because of the relatively higher percentage flow contribution from the UFA, this sample is mostly representative of water from the UFA. Water from this sample is hard with an alkalinity value of 150 milligrams per liter (mg/L) and contains low concentrations of chloride (48 mg/L) and sulfate (29 mg/L). Each constituent analyzed was within U.S. Environmental Protection Agency (USEPA) primary maximum contaminant levels (MCL) and secondary maximum contaminant levels (SMCL; U.S. Environmental Protection Agency, 2009). Water from the UFA appears to be a slightly sodium-dominated mixed-anion type (fig. 9), whereas water from the LFA transitions to a sodium-chloride type in deeper parts of the aquifer.

To determine the transmissivity of the UFA, a 24-hour aquifer test was conducted February 17–18, 2009. For this test, well HAAF 9 (36Q291) was pumped at an average rate of 430 gal/min, drawdown response was observed in the pumped well and in well HAAF 8 (36Q292), which is located about 2,020 ft to the southwest (table 1; fig. 1).

A well completed in the UFA at Morrison Plantation (36Q020), approximately 2.41 miles (mi) west of well HAAF 9 (36Q291), was selected as a suitable background monitoring point for filtering unwanted water-level fluctuations from aquifer-test data. The background well shows similar regional

trends to wells HAAF 8 (36Q292) and HAAF 9 (36Q291) and is influenced by tidal fluctuations. The well is located far enough away from well HAAF 9 (36Q291) not to be affected by pumping during the 24-hour aquifer test (fig. 10). Wider-frequency fluctuations seen on the hydrographs were attributed to barometric pressure changes during the 24-hour test period.

The amplitude and phase of each time series dataset (background, tide, barometric pressure) were adjusted to create a composite synthetic water-level hydrograph that would span the period of the test (fig. 11) using the method presented in Halford (2006). Adjustments to these individual time series components were made to minimize differences between synthetic and measured water levels (residuals). Estimated pumping induced drawdown was derived from the residuals during pumping and recovery periods. Visual examination and the root mean square (RMS) error of computed residuals were used to evaluate the effectiveness of each stage of filtering. The closer a value is to 0, the more representative the estimated value.

A trial-and-error approach was used to evaluate the effect of each time series component on the development of a synthetic water level for the aquifer test. During the trial-and-error analysis, each component was added iteratively, and the effect of that series on the filtering process was evaluated. The final filtering included several components that collectively improved the match. Figure 11 shows the effect of various components on the generation of synthetic water levels in well HAAF 8 (36Q292).

Using background water level time series alone yielded an RMS of residuals of 0.043 and a relatively poor fit to the tidal loading effects (fig. 11*A*). Using a 6-hour moving average of the background time series the fit was improved (RMS 0.033), but the effects of tidal loading still were evident in the resulting dataset (fig. 11*B*). Combining the raw background time series with the 6-hour moving average improved the quality of the data series fit, with an RMS of residuals of 0.027 (fig. 11*C*).

Barometric pressure had a slight influence on estimated water levels. Adding the barometric pressure time series to the analysis improved the fit to an RMS of 0.026 (fig. 11*D*). Similar attempts were made using the tidal stage time series alone, but this did not produce satisfactory results. Combining the tidal stage and barometric pressure time series gave an RMS of 0.039 and produced a poorer fit than by applying barometric pressure alone (fig. 11*E*).

The best fit (RMS 0.014) was obtained by combining all of the time series, including the raw and 6-hour moving average time series from the Morrison Plantation background well (36Q020), tidal stage, barometric pressure, gravity tides, and earth tides (fig. 11*F*). These data were used as a basis for analysis of the drawdown in well HAAF 8 (36Q292) in response to pumping at well HAAF 9 (36Q391) on February 17–18, 2009.

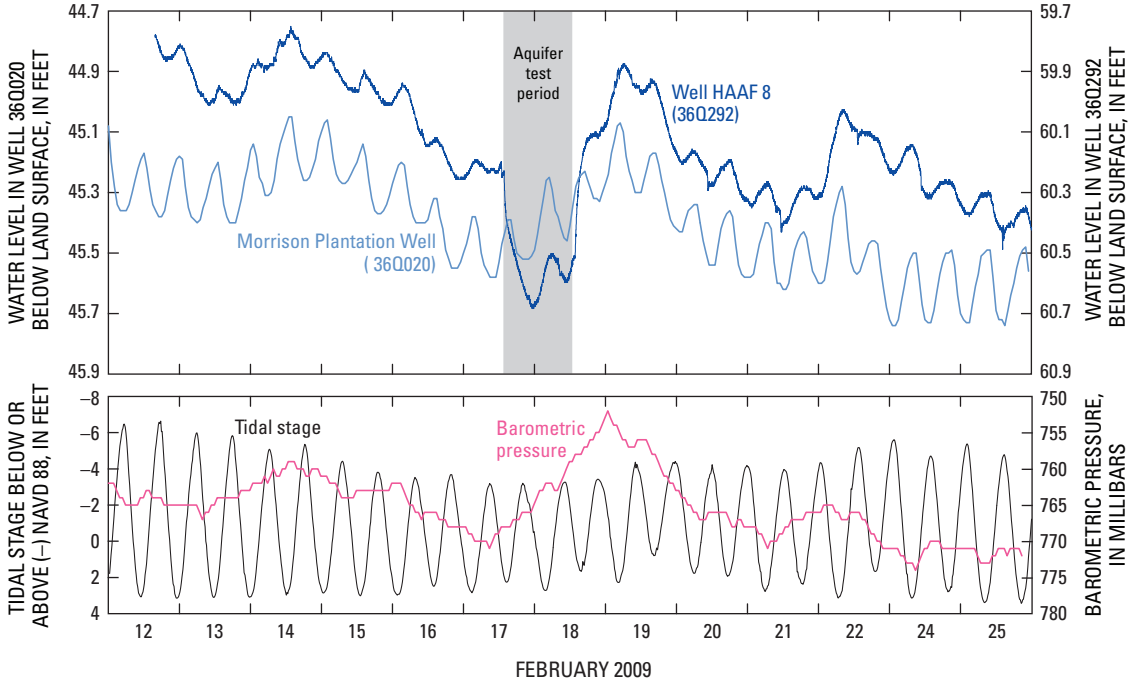


Figure 10. Comparison of water levels at well HAAF 8 (36Q292) to background water levels at Morrison Plantation observation well (36Q020) and to stage and barometric pressure at tidal gage 02198773, February 12–25, 2009 (modified from Williams, 2010).

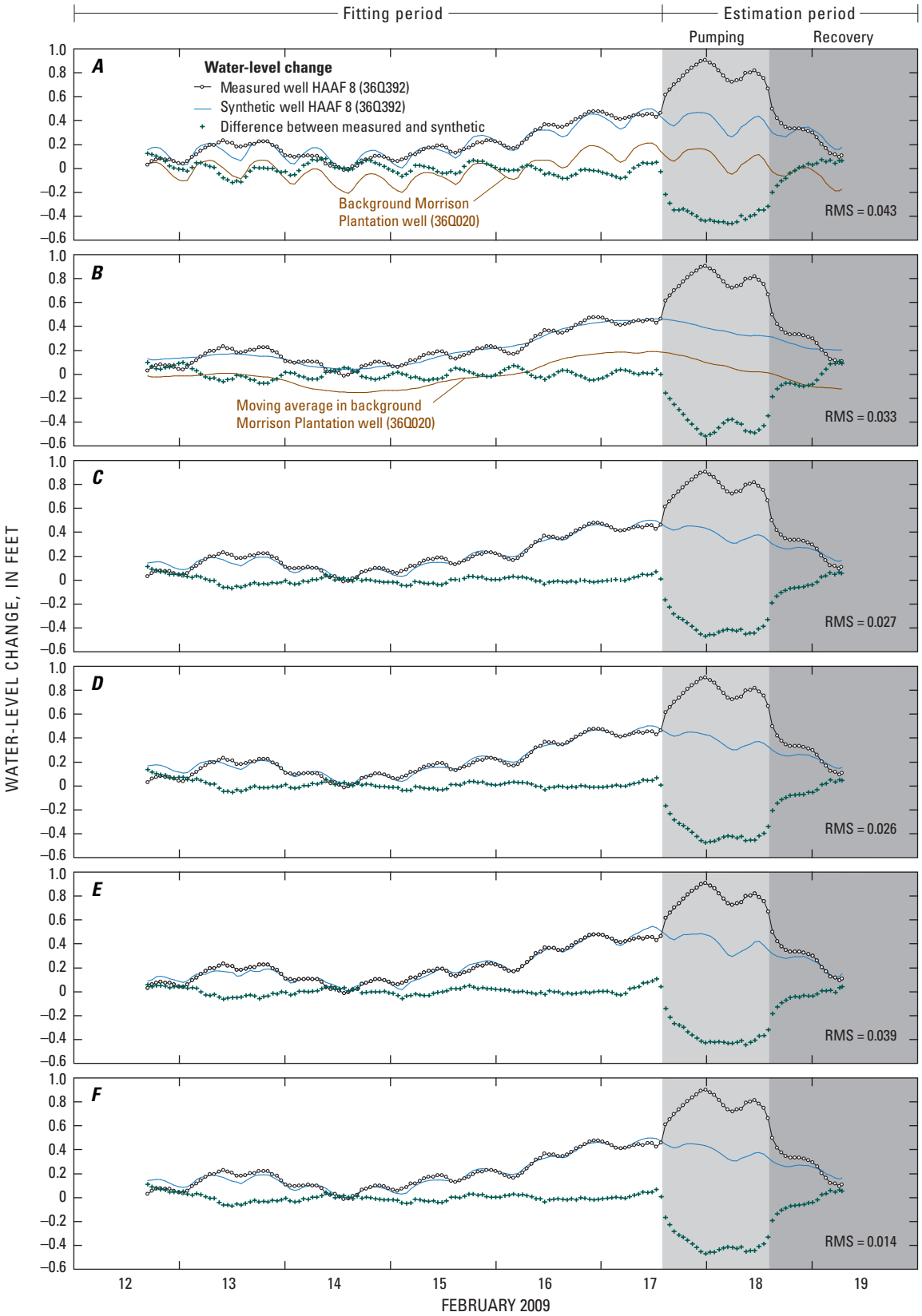


Figure 11. Effects of different time series components on development of a synthetic water level used to filter out extraneous trends from well HAAF 8 (36Q292), Hunter Army Airfield, Chatham County, Georgia: *(A)* raw water-level data from well 36Q020, *(B)* 6-hour moving average water level from well 36Q020, *(C)* raw and 6-hour moving average water-level data from well 36Q020, *(D)* raw and 6-hour moving-average water level well 36Q020 and barometric pressure, *(E)* raw barometric pressure and raw tidal stage data, and *(F)* raw and 6-hour moving average water-level data from well 36Q020, tidal stage, barometric pressure, gravity tides, and earth tides (modified from Williams, 2010). [RMS, root mean square of differences between measured and synthetic water levels]

Analysis of the drawdown data for well HAAF 8 (36Q292) suggested a leaky artesian aquifer response with storage of water in the semiconfining unit (fig. 12). Both the early and late data do not fit the Theis (1935) type curve for an ideal confined aquifer. The departure of the drawdown response from the Theis curve after about 50 minutes suggests appreciable amounts of water are being released from storage, likely from the underlying Lower Floridan confining unit and the LFA.

A transmissivity of about 40,000 ft^2/d and a storage coefficient of 2.5×10^{-4} (table 8) were computed for the UFA using the Hantush (1960) leaky aquifer solution (Williams, 2010). This solution assumes that (1) the aquifer is infinite in areal extent, homogeneous, and isotropic, (2) the pumping well is fully or partially penetrating and flow to the pumping well is horizontal, (3) the aquifer is leaky, and flow is unsteady, (4) the water is released from storage instantaneously, (5) the diameter of pumping well is very small, and the storage in the well can be neglected, (6) the confining unit is infinite in areal extent and has a uniform vertical hydraulic conductivity and thickness, (7) the confining unit has an adjacent constant-head source, and (8) flow in the confining unit is vertical. Although all of these conditions may not be absolutely satisfied for this site, the aquifer conditions approximate and satisfy the assumptions relevant for this solution approach.

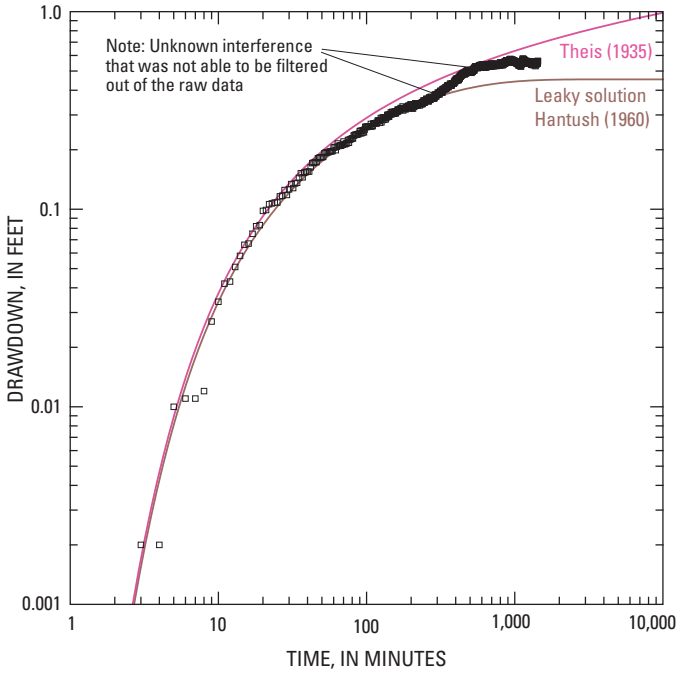


Figure 12. Logarithmic plot of drawdown and time for observation well HAAF 8 (36Q292) during Upper Floridan aquifer test conducted in well HAAF 9 (36Q391), Hunter Army Airfield, Chatham County, Georgia, February 17–18, 2009 (modified from Williams, 2010).

Lower Floridan Confining Unit

The thickness and hydraulic conductivity of the confining unit that separates the UFA and LFA controls the rate of interaquifer leakage. Thickness of the Lower Floridan confining unit was determined by evaluating rock cuttings, borehole geophysical logs, and results of flowmeter testing (figs. 5, 6; table 4).

The Lower Floridan confining unit at well HAAF 11 (36Q392) is interpreted to be present between depths of 560 and 703 ft (fig. 5) and is composed of low permeability chalky and glauconitic limestone in the uppermost part of the middle Eocene Avon Park Formation (figs. 2, 5). This unit is similar in lithology to overlying and underlying rock units (table 4), which precluded the identification of the depth interval of the confining unit during drilling. Following completion of the pilot boring, thickness and location of the confining unit were assessed by using borehole geophysical logs and the results of a flowmeter survey. The Lower Floridan confining unit is about 143 ft thick at HAAF and similarly about 155 ft at the Berwick Plantation well (36Q330), which is 3.7 mi west of the HAAF site (fig. 1). The Lower Floridan confining unit can be distinguished as a zone of relatively higher natural-gamma radiation when compared to the very low natural-gamma radiation in the overlying Ocala Limestone of the UFA (fig. 5). The high natural gamma radiation likely is due to a high percentage of glauconite in the Avon Park Formation.

Borehole flowmeter testing in well HAAF 11 (36Q392) (fig. 6*A*) in the 333–1,168 ft open interval indicated the Lower Floridan confining unit contributed little to overall flow in the borehole. In particular, continuous vertical sections of limestone at 556–665 and 675–719 contributed no detectable amounts of water during the 847 gal/min flowmeter survey. Within the confining unit, a single water-bearing zone at 665–675 ft yielded 36 gal/min or 4.3 percent of the total borehole flow during the flowmeter survey. This water-bearing zone corresponded to an increase in formation resistivity at that depth (fig. 5).

Prior to installation of 8-inch casing (table 7), the K_h of the Lower Floridan confining unit was determined by conducting packer-slug tests at four separate intervals within the confining unit: 571–575, 641–645, 688–692, and 698–702 ft (fig. 5). Although the lithology in the confining unit interval was fairly consistent, two variations affected K_h: (1) fine-grained calcarenite with trace amounts of fine carbonate mud (chalk) disseminated throughout mostly granular limestone and (2) very fine-grained chalky and sandy limestone. The slug tests for the 571–575 ft and 641–645 ft intervals are representative of the first lithology variation with K_h of 1.1 and 3.1 ft/d, respectively. In the second lithologic variation, the K_h was 0.16 ft/d at 688–692 ft and 0.20 ft/d at 698–702 ft.

An approximation of the K_v of the Lower Floridan confining unit was derived using K_h data obtained from packer-slug tests and K_v data obtained from core analysis (table 6). Sediments constituting the Lower Floridan confining unit and upper part of the LFA consist of middle Eocene

limestone that appears similar in lithologic composition. Because of this similarity, an approximation of the K_v of the Lower Floridan confining unit was determined using data from the uppermost part of the LFA. A K_h:K_v ratio of 8.5:1 was determined by comparing laboratory analyses for K_v (table 6) in the 817.8–818.4 ft interval (0.2 ft/d) to the packer test for K_h (table 7) in the nearby 812–816 ft interval (1.7 ft/d). Using this relation, the estimated K_v of the confining unit is estimated to range from 0.02 to 0.36 ft/day (table 7). These values are consistent with ranges for K_h reported by Freeze and Cherry (1979) for limestone and dolomite.

Water in the Lower Floridan confining unit has a low specific conductance compared to deeper units as indicated by the monitoring of drilling fluids while completing the pilot hole in well HAAF 11 (36Q392). Water from the 570–685 ft interval had an average specific conductance of 225 µS/cm (fig. 7).

Lower Floridan Aquifer

The LFA at well HAAF 11 (36Q392) is present between depths of 703 and 1,080 ft and consists of several high permeability zones in limestone of the middle Eocene Avon Park Formation (fig. 2; table 4). A second round of flowmeter testing conducted in the completed LFA well on August 15, 2009, provided information on water-bearing intervals in the LFA. Test results indicated that there are six main water-bearing intervals in the LFA: 723–731; 768–785; 818–837; 917–923; 1,027–1,052; and 1,060–1,080 ft (fig. 6*B*). These intervals seem to coincide with the development of secondary permeability in the aquifer in the form of solution cavities and voids that have a higher permeability than the native-rock matrix (fig. 5). Formation-resistivity logs indicate that each of these water-bearing intervals coincides with an increase in resistivity (fig. 5). Flowmeter-test data indicated that when pumping at a rate of 748 gal/min, the upper two water-bearing zones produced 62.6 percent of the total flow, with 110 gal/min from the 723- to 731-ft interval and 359 gal/min from the 768- to 785-ft interval. The remaining four zones contributed from 1.7 to 18 percent of the flow during the flowmeter test (fig. 6). Flow was not detected beneath a depth of 1,080 ft by the flowmeter. Based on the low contribution from the interval beneath 1,080 ft, the base of the LFA was assigned a depth of 1,080 ft at the HAAF 11 (36Q392) well site.

The quality of water in the LFA was evaluated during drilling by monitoring the specific conductance of reverse-air drilling fluids, collecting grab water samples during flowmeter testing, and collecting a composite water sample from the completed well HAAF 11. Monitoring of drilling fluids indicated that the specific conductance in the LFA between depths of 710 and 1,045 ft averaged 262 µS/cm. At a depth of 1,055 ft, the specific conductance increased abruptly to 1,063 µS/cm and averaged 751 µS/cm for the 1,055–1,165 interval. These higher specific-conductance values suggest an increase in dissolved-solids-concentration that could affect the suitability of the well for water supply. Drilling was halted at a depth of 1,168 ft to avoid further penetration into zones containing water with a high total dissolved-solids concentration.

Grab water samples were collected using a wireline sampler from five discrete depths on June 22, 2009, and were analyzed for major ions (table 5; figs. 8, 9). Water samples collected in the UFA and LFA indicate a transition with depth (fig. 9) from a slightly sodium-dominated mixed-anion type water in the UFA at a depth of 525 ft to a sodium-chloride type water in the LFA at the 1,075 ft depth.

Water from the LFA is hard to very hard with an alkalinity of 150–250 mg/L (fig. 8; table 5). Data indicate that with the exception of fluoride, constituent concentrations increase continuously with depth. Water from the deepest interval (1,075 ft) has a chloride concentration of 480 mg/L, which exceeds the USEPA SMCL of 250 mg/L (U.S. Environmental Protection Agency, 2009). The 240 mg/L sulfate concentration of water from the same interval is slightly below the USEPA SMCL of 250 mg/L (U.S. Environmental Protection Agency, 2009). Flowmeter testing indicates that water from the 1,075-ft zone contributes less than 2 percent of the total flow to the well (fig. 6*B*); thus, the relatively higher concentrations of chloride and sulfate in the deepest interval will not likely affect the quality of the water in the completed well.

A composite sample of water in the LFA was collected and analyzed from well HAAF 11 (36Q392) on August 16, 2009 (table 5), near the completion of a 72-hour aquifer test. Constituent concentrations of the composite sample (703–1,112-ft interval) of the completed well were generally below values for each of the grab samples in the LFA and all were below USEPA MCLs and SMCLs (U.S. Environmental Protection Agency, 2009).

To determine the transmissivity of the LFA, well HAAF 11 (36Q392) was pumped for a 72-hour period at an average rate of 748 gal/min, during August 13–16, 2009 (table 8). Water-level and discharge data were recorded in the pumped well, and water levels were recorded in two observation wells (wells HAAF 5 and HAAF 8) completed in the UFA to assess interaquifer leakage response.

Pumping from well HAAF 9 (36Q391), completed in the UFA about 2,000 ft to the north, was identified as a possible source of interference for the HAAF 11 (36Q392) aquifer test. Because of water-supply needs, pumping at well HAAF 9 (36Q391) could not be discontinued during the 72-hour test and background/recovery periods. For this reason, pumping at the well was maintained at a generally constant rate starting a few days before the start of the aquifer test (August 10, 2009) and was operated on that schedule throughout the duration of the test and recovery period (August 22, 2009). Small fluctuations in the water-system pressure caused slight variations in pumping at well HAAF 9 (36Q391). In addition to adjusting for pumping influences, aquifer test data were corrected for regional trends, barometric pressure, and tidal influences prior to aquifer-test analysis by using the same filtering procedures described earlier for the test conducted in the UFA (Williams, 2010).

Transmissivity of the LFA was estimated from drawdown and recovery data from the pumped well (well HAAF 11) because no other nearby LFA wells were available for drawdown observations (table 8). Transmissivity calculated using the Theis (1935) solution was 11,000 ft²/day (Williams, 2010). The Theis (1935) solution assumes the aquifer has an infinite areal extent; is homogeneous, isotropic, and has a uniform thickness; the pumping well is fully penetrating; flow to the well is horizontal; the aquifer is confined; flow is unsteady and water is released instantaneously from storage with decline of hydraulic head; and the effects of borehole storage are small enough to be neglected. The Theis (1935) solution also assumes the aquifer is confined; however, the aquifer test indicates a leaky artesian aquifer response with a flattening of the drawdown curve starting several hundred minutes into the test (fig. 13). Thus, the type curve for this analysis was only matched to early-time data between 7 and 90 minutes. The observed values plotting below the Theis (1935) curve between 1 and 7 minutes are probably the result of borehole storage that were not matched in this analysis.

The Theis (1935) solution for recovery data in a confined aquifer also was used to calculate transmissivity for the aquifer test (Williams, 2010). In the Theis recovery method, the residual drawdown is plotted against time over elapsed time since pumping began (t/t') on a semilogarithmic plot (fig. 13*B*). A straight-line fit through the observed residual drawdown gives a transmissivity of about 12,000 ft²/day (table 8), which is comparable to the value determined using the drawdown data.

Vertical hydraulic conductivity of the LFA was determined from core samples at depths of 817.8–818.4, 851.8–852.2, and 941.9–942.6 ft (table 6). These samples originally were to have been collected from the Lower Floridan confining unit; however, this interval was not readily identified during drilling, and sampled intervals were designated on the basis of projected depths of the Lower Floridan confining unit according to maps by Miller (1986). Field testing after samples were collected indicated that the samples actually were collected from intervals within the upper part of the LFA. This discrepancy resulted from differing local geology and the coarse resolution of Miller's (1986) maps. Vertical hydraulic conductivity of the LFA, determined by using a flexible wall permeameter following procedures described in ASTM D5084, ranged from 0.13 to 0.34 ft/d.

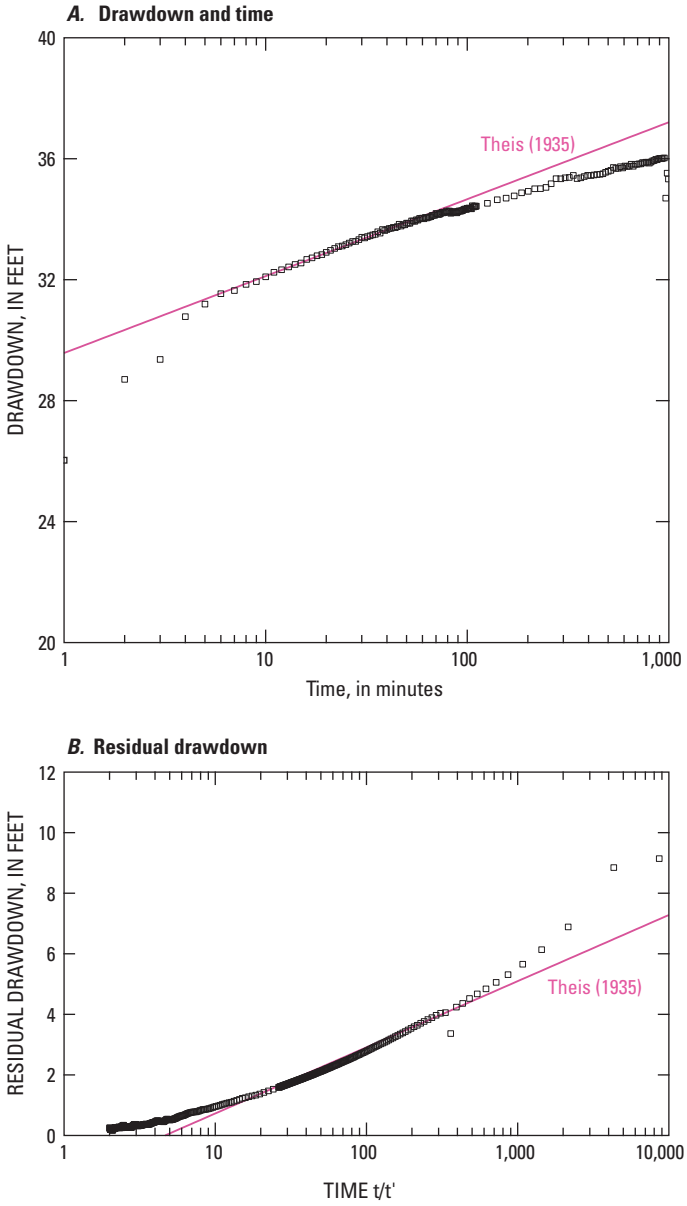


Figure 13. Semi-logarithmic plots of *(A)* drawdown and time and *(B)* residual drawdown and t/t' for aquifer test of Lower Floridan aquifer at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia, August 13–16, 2009.

Effect of Lower Floridan Aquifer Pumping on the Upper Floridan Aquifer

Potential effects of pumping the LFA on water levels in the UFA were evaluated by monitoring drawdown response in nearby UFA wells and through model simulation. Observed water-level response in the UFA as a result of pumping the LFA was determined by using water-level data that were filtered for tidal, barometric, and pumping interferences and by following procedures described earlier. These measured drawdowns were used to provide a basis for evaluating the accuracy of model simulations. Model simulation was used to determine long-term (steady-state) leakage response of the UFA to pumping from the LFA, and to estimate the equivalent amount of UFA pumping that would produce similar drawdown.

Observed Water-Level Response

During the 72-hr LFA test in well HAAF 11 (36Q392), 36.3 ft of drawdown were observed in the pumped well, and small amounts of drawdown were observed in two UFA observation wells. The closest of these observation wells (HAAF 8, 36Q292) is located 176 ft from the pumping well and the farthest (HAAF 5, 36Q288) is located 3,600 ft from the pumping well (fig. 14). Well HAAF 9 (36Q391), located 1,995 ft from the pumping well, was not used in the drawdown analysis because this well was operational and was being pumped at a generally constant rate during the test. Small fluctuations in water-system pressure caused variations in pumping at well HAAF 9 (36Q391) that masked any observable drawdown resulting from LFA pumping at well HAAF 11.

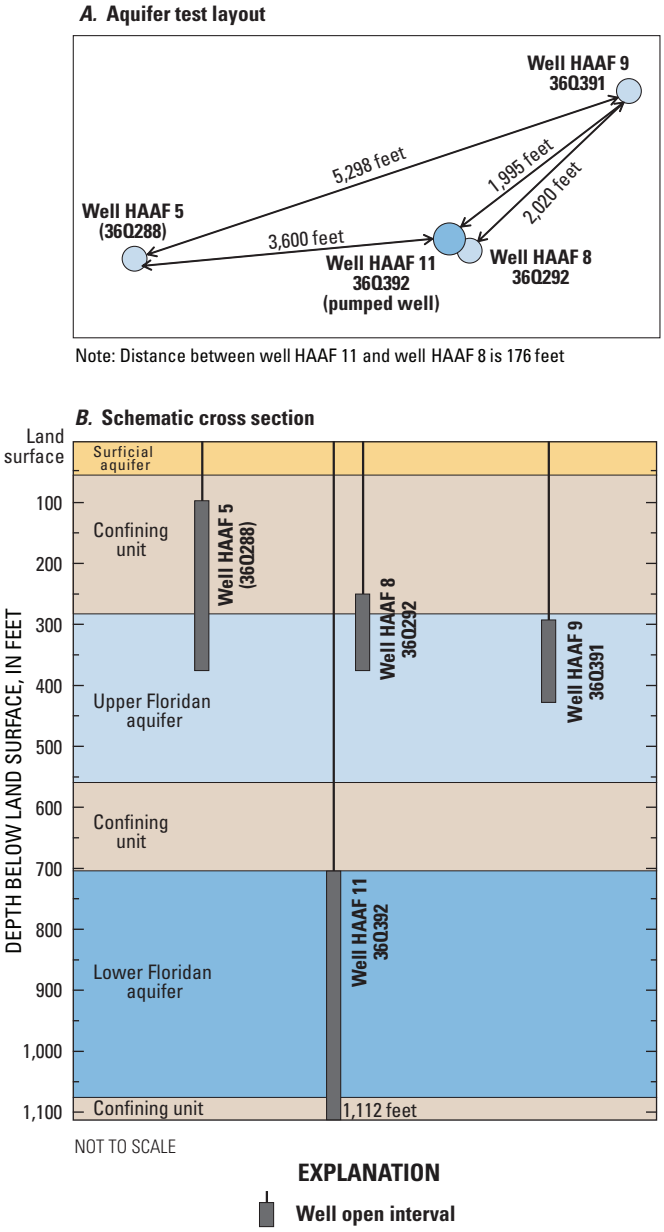


Figure 14. Location and construction characteristics of wells used for aquifer tests at Hunter Army Airfield, Chatham County, Georgia: *(A)* diagram showing aquifer test layout and *(B)* schematic section showing the open intervals of the wells in relation to major hydrogeologic units (modified from Williams, 2010).

Raw, unfiltered water-level data from the 72-hour LFA test and the response at the two UFA observation wells are depicted in figure 15. Visual examination of unfiltered data indicates that drawdown at well HAAF 8 (36Q292) is readily evident, whereas drawdown in well HAAF 5 (36Q288) is less evident but still distinguishable.

Water-level data from wells HAAF 5 (36Q288) and HAAF 8 (36Q292) were filtered to reduce the effects of tidal loading, barometric pressure, regional trends, and pumping at well HAAF 9 (36Q391), following the method presented in Halford (2006). To ensure that local interferences were adequately filtered in order to accurately depict small drawdown values resulting from LFA pumping, the fitting period for the filtering included a week before and several weeks after the test was completed (fig. 16). The amplitude and phase of each time series (background, tide, barometric pressure) were adjusted to create a composite synthetic water-level hydrograph for each observation well that spanned the period of the test, following procedures described earlier for the UFA 24-hour aquifer test.

During the filtering process, the effects of pumping well HAAF 9 (36Q391) on the drawdown response had to be taken into account. For well HAAF 8 (36Q292), the synthetic and measured water levels (fig. 16*A*) matched fairly well during the week prior to pumping at well HAAF 9 (36Q391). During this pre-test period, well HAAF 9 (36Q391) was taken offline in order to obtain natural background fluctuations. Pumping at well HAAF 9 (36Q391) was started 2 days prior to the startup of the LFA test and was maintained at an average rate of 400 gal/min until 5 days following the end of the test. At well HAAF 8 (36Q292), the drawdown and recovery response of pumping both at wells HAAF 9 (36Q391) and HAAF 11 (36Q392) are shown in figure 16*A*. After removing the effects of well HAAF 9 (36Q391) pumping, the total drawdown and recovery response attributed to pumping at well HAAF 11 (36Q392) are estimated to be 0.76 ft (fig. 16*A*). At well HAAF 5 (36Q288), which is located 3,600 ft away from the LFA well, the total pumping-induced drawdown attributed to well HAAF 11 (36Q392) is estimated to be 0.43 ft (fig. 16*B*).

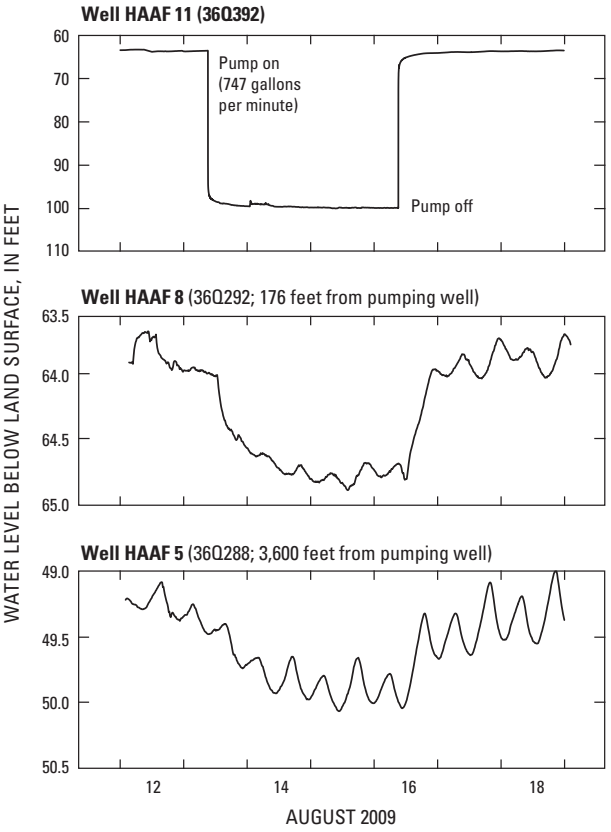


Figure 15. Water levels in the pumped Lower Floridan well (HAAF 11, 36Q392) and in Upper Floridan observation wells HAAF 8 (36Q292) and HAAF 5 (36Q288) before, during, and after the 72-hour aquifer test of the Lower Floridan aquifer, Hunter Army Airfield, Chatham County, Georgia, August 11–19, 2009 (modified from Williams, 2010).

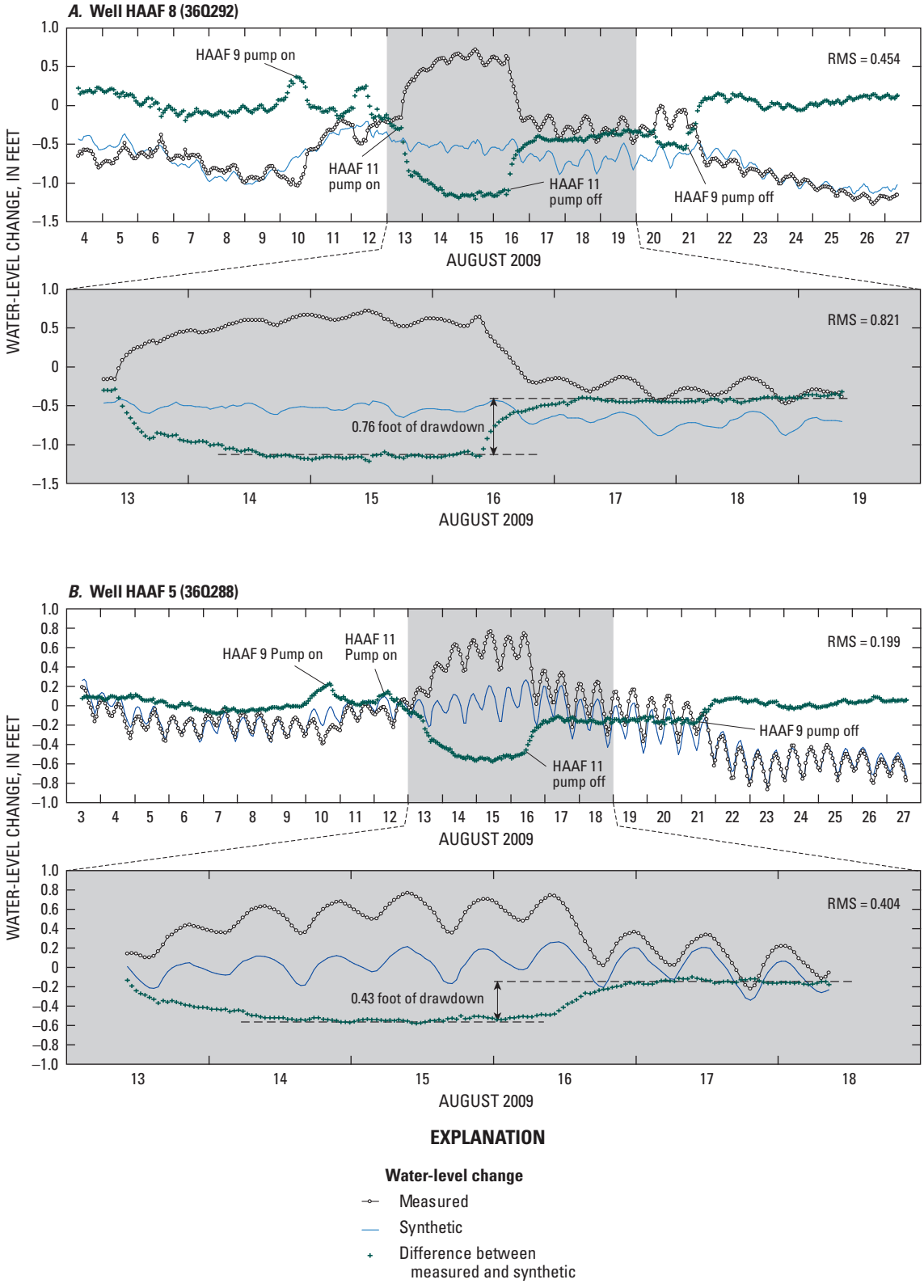


Figure 16. Estimated drawdown calculated in Upper Floridan wells *(A)* HAAF 8 (36Q292) and *(B)* HAAF 5 (36Q288) during the 72-hour aquifer test of the Lower Floridan aquifer in well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia (modified from Williams, 2010).

Model Simulation

A revised regional groundwater-flow model was used to simulate the water-level response of the UFA in selected observation wells to pumping from the LFA at well HAAF 11. The revised model was also used to simulate the equivalent pumping rate in a hypothetical UFA well at the same location as HAAF 11 (36Q392) that would produce a comparable drawdown to that resulting from pumping well HAAF 11.

To simulate the steady-state effect on groundwater flow of pumping the new LFA well at HAAF, the existing USGS MODFLOW model of Payne and others (2005) was modified based on hydrogeological information obtained from field investigations (described earlier) and from existing wells in the area. The model grid was modified to a finer 10-ft by 10-ft cell size near well HAAF 11 (36Q392) to enable more accurate simulations at smaller scale. Revisions to the regional model of Payne and others (2005) are described in the appendix. The location of the regional model is shown on in figure 17.

The revised model used regional pumping and boundary conditions during 2000 as a "base case" for comparing drawdown and water-budget changes simulated in response to pumping well HAAF 11 (36Q392). Pumping well HAAF 11 (36Q392) at a rate of 748 gal/min resulted in a simulated maximum steady-state drawdown of 36.2 ft in the LFA, which is nearly identical to the 36.3 ft of drawdown observed in well HAAF 11 (36Q392) during the 72-hour aquifer test. Simulated steady-state drawdown in the LFA was greater than 1 ft over a 146-square-mile (mi^2) area (fig. 17).

Interaquifer Leakage and Drawdown Response

Pumping from the LFA at well HAAF 11 (36Q392) also resulted in a simulated drawdown response in the overlying UFA because of leakage through the Lower Floridan confining unit (fig. 18). Model simulations indicate that steady-state drawdown in the UFA was greater than 1 ft over a 141 mi^2 area and was 1.9 ft near well HAAF 5 (36Q288) and 2.03 ft near wells HAAF 11 (36Q392) and HAAF 8 (36Q292).

The GaEPD interim permit strategy for the LFA (Nolton Johnston, Georgia Environmental Protection Division, written commun., January 28, 2003) states that "the applicant must offset the impact of the LF [Lower Floridan] pumping by reducing nearby UF [Upper Floridan] permitted pumping in the same general area (within a 5 mi radius) by an amount equal to or greater than the determined UF leakage." To assess the amount of leakage resulting from pumping in the Lower Floridan aquifer, the steady-state water budget before and after the initiation of pumping at well HAAF 11 (36Q392) was compared (table 9; fig. 19).

Table 9. Simulated steady-state water budget for 2000 and after initiation of pumping 748 gallons per minute (1.08 million gallons per day) at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia.

[Values reported to three significant digits and may not sum to totals because of independent rounding; <, less than]

Hydrogeologic unit	Layer	Simulated flow, in million gallons per day									
		Pumpage		Recharge from general head boundary		Discharge to general head boundary		Inflow along lateral boundary		Outflow along lateral boundary	
		Year 2000	Well HAAF 11 added	Year 2000	Well HAAF 11 added	Year 2000	Well HAAF 11 added	Year 2000	Well HAAF 11 added	Year 2000	Well HAAF 11 added
Surficial aquifer system	1	0	0.00	274	275	102	102	<0.001	<0.001	<0.001	<0.001
Confining unit	2	0	0.00	46.1	46.1	4.7	4.70	<0.001	<0.001	<0.001	<0.001
Brunswick aquifer system	3	0.241	0.241	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Confining unit	4	0	0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Upper Floridan aquifer	5	669	669	145	145	22.1	22.1	715	742	266	288
Confining unit	6	0	0.00	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001
Lower Floridan aquifer	7	129	130	<0.001	<0.001	<0.001	<0.001	16.6	<0.001	1.97	<0.001
Total all layers		**798**	**800**	**465**	**466**	**129**	**129**	**732**	**742**	**268**	**288**

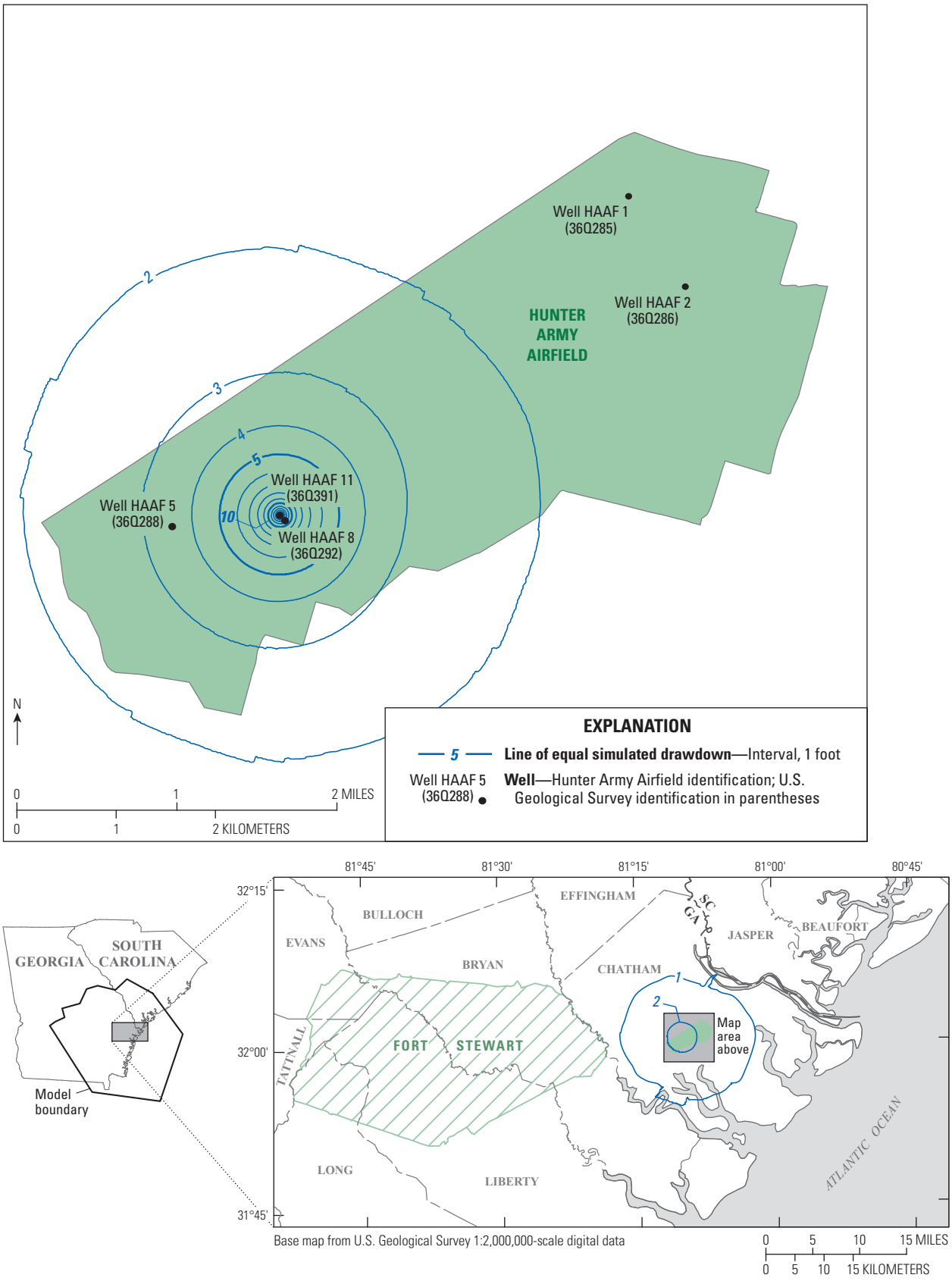


Figure 17. Simulated steady-state drawdown in the Lower Floridan aquifer resulting from pumping well HAAF 11 (36Q392) at 748 gallons per minute, Hunter Army Airfield and vicinity, coastal Georgia.

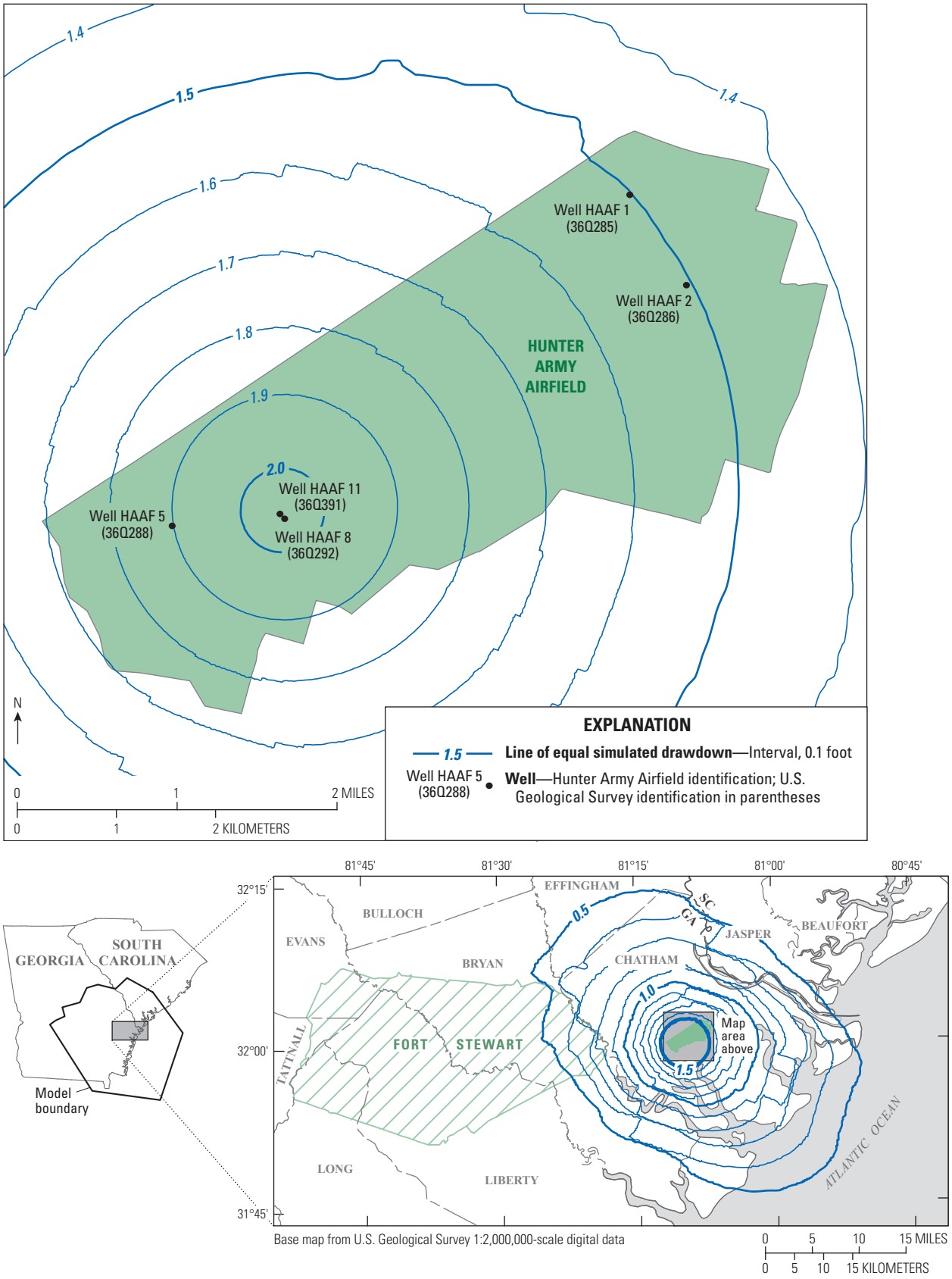


Figure 18. Simulated steady-state drawdown in the Upper Floridan aquifer resulting from pumping well HAAF 11 (36Q392) at 748 gallons per minute, Hunter Army Airfield and vicinity, coastal Georgia.

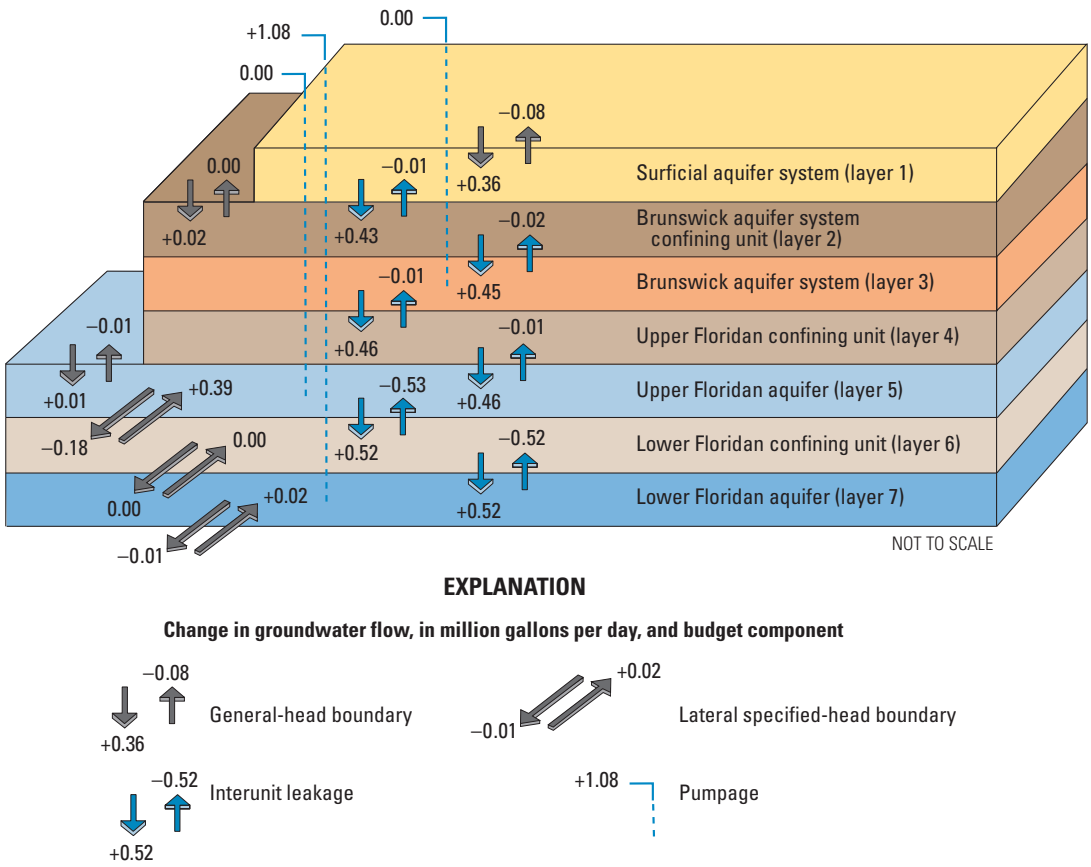


Figure 19. Change in simulated steady-state water budget resulting from initiation of pumping at well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia (modified from Payne and others, 2005).

Pumping 1 Mgal/d (748 gal/min) at well HAAF 11 (36Q392) resulted in small changes and redistribution of flow among model layers, including increased downward and decreased upward leakage in all layers, and increased inflow and decreased outflow from lateral boundaries in the UFA and LFA. In the surficial aquifer, pumping at well HAAF 11 (36Q392) resulted in increased inflow (recharge) from the general head boundary (0.36 Mgal/d). Flow to well HAAF 11 (36Q392) was derived from increased lateral flow from the specified-head boundary (0.02 Mgal/d), from increased leakage through the Lower Floridan confining unit (0.52 Mgal/d), and by reductions in discharge to the Lower Floridan confining unit (0.52 Mgal/d) and to lateral specified-head boundaries (0.01 Mgal/d).

The simulated steady-state water budget was further evaluated using the MODFLOW postprocessor ZONEBUDGET (Harbaugh, 1990). ZONEBUDGET enables summation of flow entering and leaving a designated subarea of the model domain. For this evaluation, three zones surrounding well HAAF 11 (36Q392) were designated: 0–0.5 mi, 0.5–1 mi, and greater than 1 mi. The percentage of leakage from the UFA that contributed flow to the LFA at well HAAF 11 (36Q392) is shown on figure 20. About 65 percent of the water that was contributed to well HAAF 11 (36Q392) came from within 1 mi of the pumped well, of which 36 percent came from within 0.5 mi of the pumped well. The larger contribution of water resulted from a larger head gradient between the pumped well and the overlying aquifer in areas close to the pumped well.

Upper Floridan Aquifer Drawdown Offset

As part of the interim permitting strategy, GaEPD provided a hydrogeological study protocol, that states that a groundwater model shall be used (Nolton Johnston, Georgia Environmental Protection Division, written commun., January 28, 2003) "… to simulate the equivalent Upper Floridan pumping that induces the identical maximum drawdown in the Upper Floridan that would be expected as a result of pumping the Lower Floridan."

To replicate simulated drawdown in the UFA in response to pumping in the LFA at well HAAF 11, a series of steady-state simulations were conducted using the revised model. Each simulation involved applying a different pumping rate to a hypothetical UFA well located at the site of well HAAF 11 (36Q392) and running the model under steady-state conditions. Profiles (fig. 21) and maps (fig. 22) show the simulated drawdown in the UFA (1) resulting from LFA pumping in well HAAF 11 (36Q392) at 748 gal/min and (2) resulting from pumping a hypothetical UFA well at the same location as well HAAF 11 (36Q392) at rates of 189 and 650 gal/min.

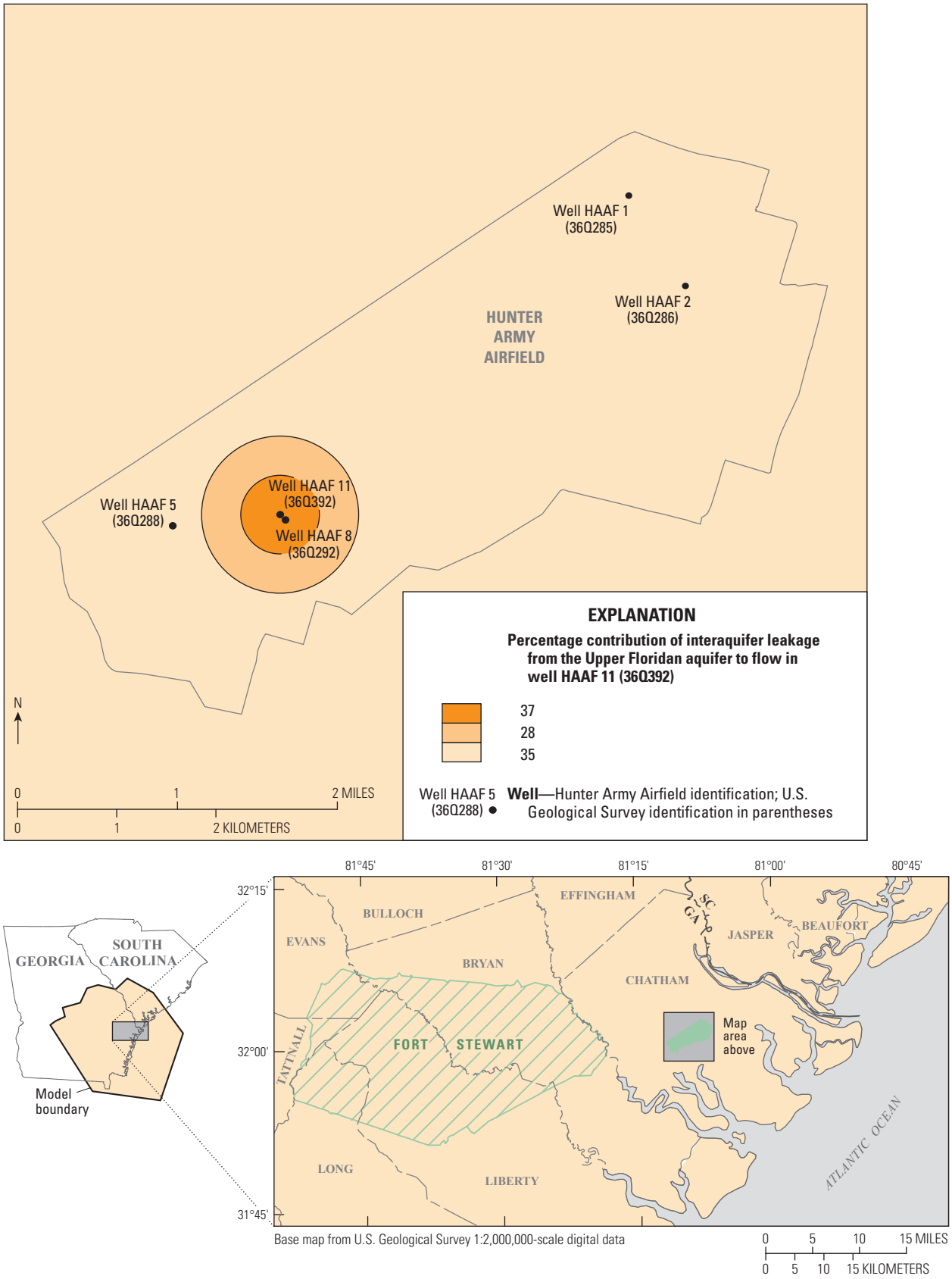


Figure 20. Percentage of interaquifer leakage from the Upper Floridan aquifer contributing flow to well HAAF 11 (36Q392) pumping at a rate of 748 gallons per minute (1.08 million gallons per day), Hunter Army Airfield and vicinity, coastal Georgia.

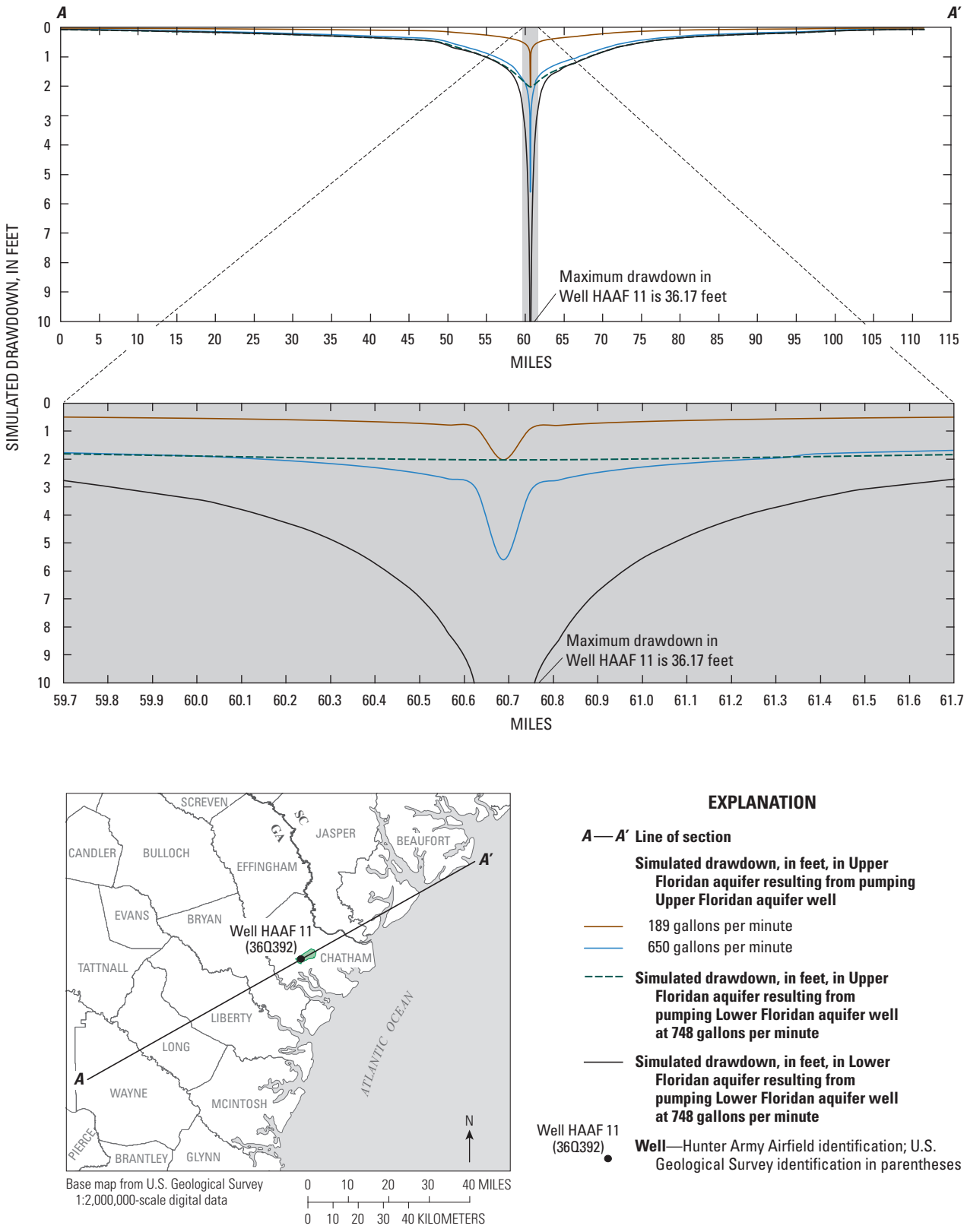


Figure 21. Profile showing simulated steady-state drawdown in the Upper and Lower Floridan aquifers resulting from pumping in the Lower Floridan aquifer at well HAAF 11 (36Q392) and from pumping the Upper Floridan aquifer at rates of 189 and 650 gallons per minute at a hypothetical Upper Floridan aquifer well at the site of well HAAF 11 (36Q392), Hunter Army Airfield and vicinity, coastal Georgia.

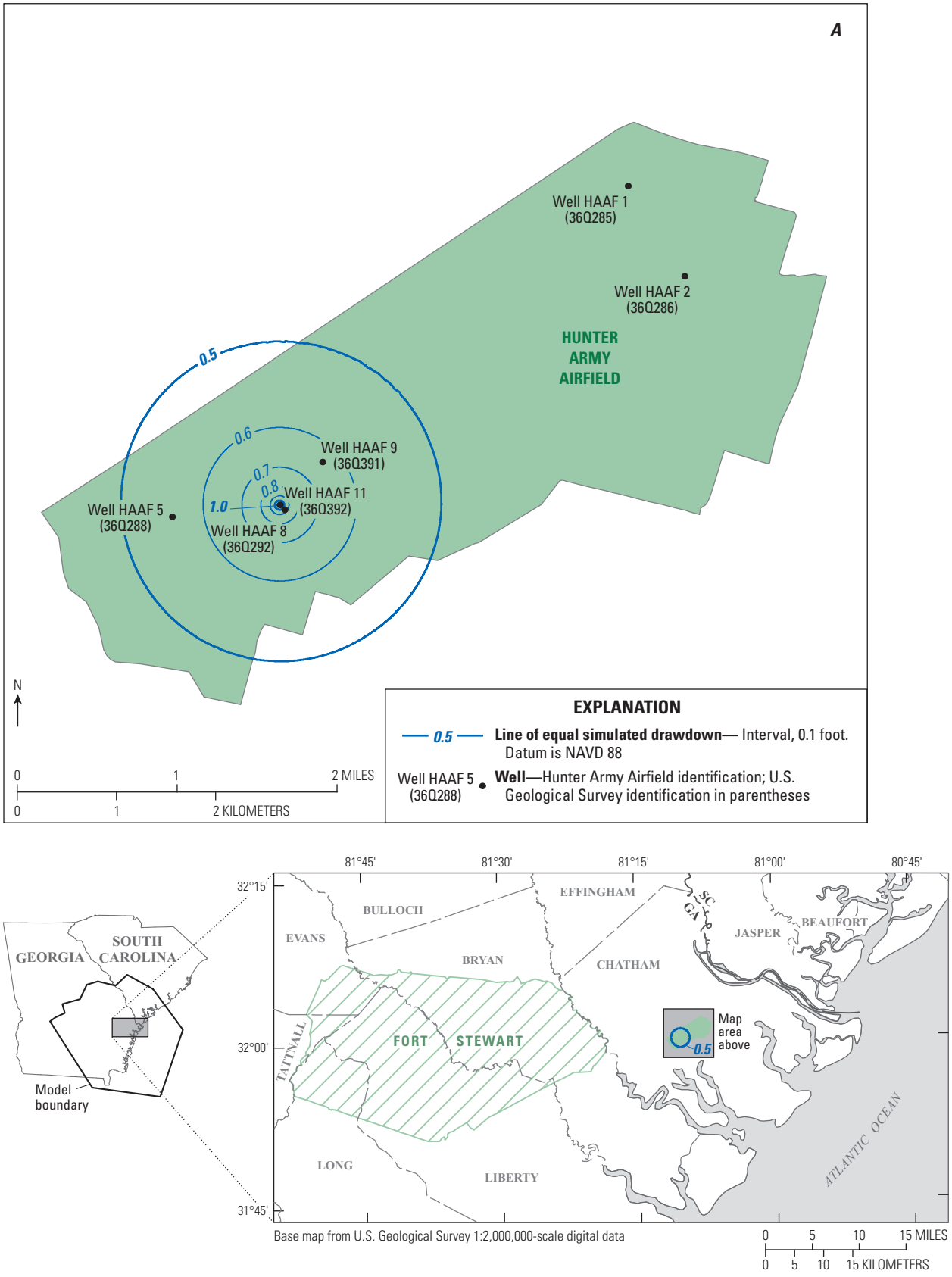


Figure 22. Simulated drawdown in the Upper Floridan aquifer resulting from pumping a hypothetical Upper Floridan aquifer well at the site of well HAAF 11 (36Q392) at rates of *(A)* 189 and *(B)* 650 gallons per minute, Hunter Army Airfield and vicinity, coastal Georgia.

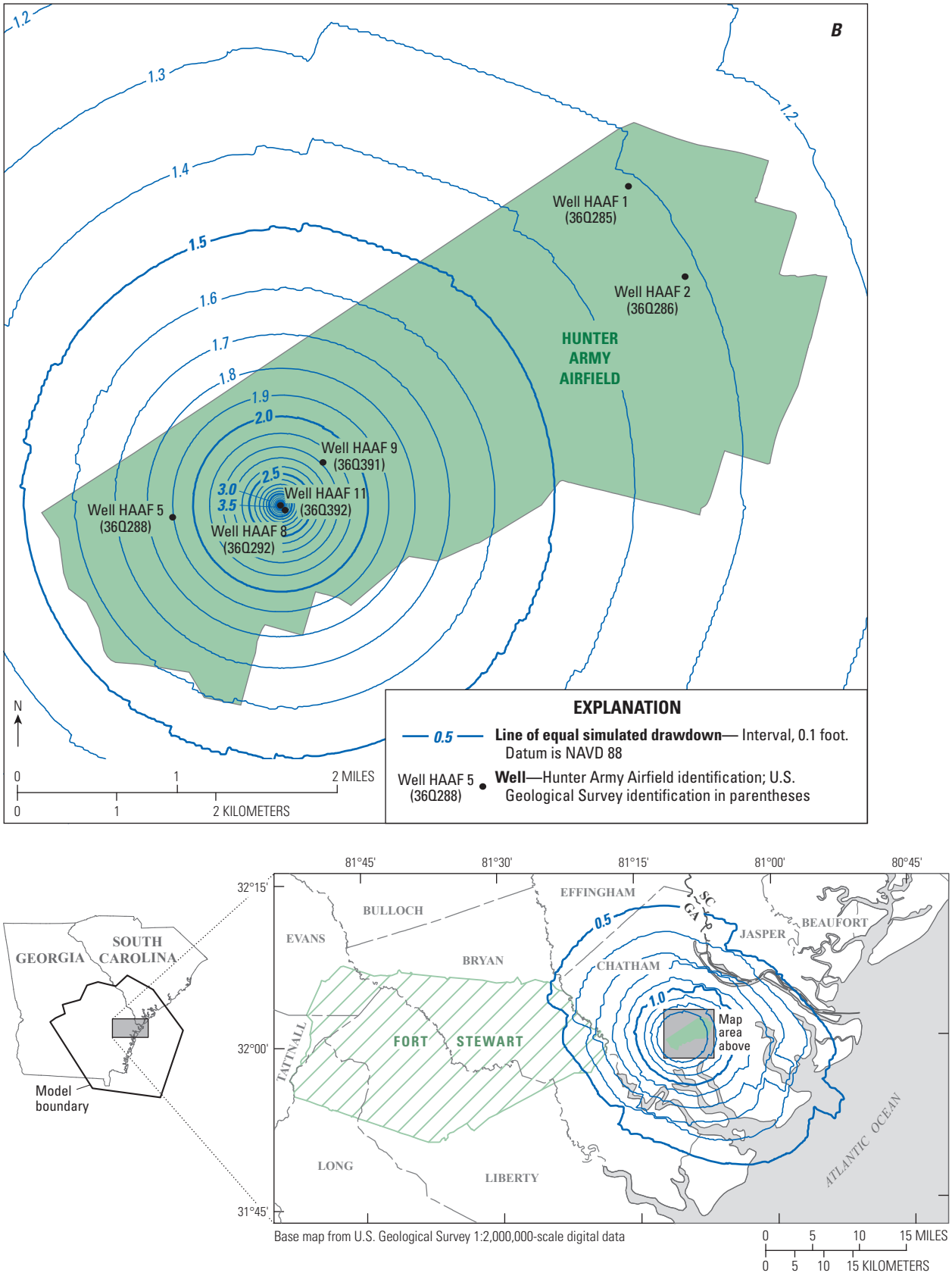


Figure 22. Simulated drawdown in the Upper Floridan aquifer resulting from pumping a hypothetical Upper Floridan aquifer well at the site of well HAAF 11 (36Q392) at rates of *(A)* 189 and *(B)* 650 gallons per minute, Hunter Army Airfield and vicinity, coastal Georgia.—Continued

Simulated water-level profiles indicate that drawdown resulting from pumping the hypothetical UFA well at a rate of 189 gal/min approximates the maximum drawdown resulting from pumping the LFA at well HAAF 11, but is less at distances greater than 0.1 mi from the pumped well (fig. 21). Conversely, drawdown resulting from pumping at a rate of 650 gal/min approximates that resulting from pumping in the LFA at distances greater than 0.1 mi from the pumped well, but is greater closer to the pumped well. The poor overall match to drawdown resulting from interaquifer leakage results from differences in how the model simulates stress. Leakage stress occurs over a wide area, not at a localized position as is the case with an individual pumping well. Thus, drawdown resulting from leakage shows a more gradual lateral gradient and covers a wider area than drawdown resulting from a well being pumped directly from the UFA.

The area in which simulated drawdown exceeded 1 ft further illustrates differences in how the model simulates stress in the form of interaquifer leakage from the simulation of pumping a single UFA well (fig. 22). Simulated drawdown in the UFA that resulted from pumping the LFA covered a 141-mi^2 area (fig. 18), whereas drawdown that resulted from pumping an UFA well at rates of 189 and 650 gal/min covered areas of 0.003 mi^2 and 88.7 mi^2, respectively (fig. 22). In general, the cone of depression formed in response to pumping in the UFA was much steeper near the pumped well, but diminished in magnitude away from the pumped well, whereas the cone of depression formed in response to pumping in the LFA was less steep, but covered a larger area. Neither pumping rate matched the 0.52 Mgal/d (361 gal/min) simulated leakage rate.

Effect of Pumping Offsets on Groundwater Levels at Hunter Army Airfield

To assess the effect of pumping redistribution on current groundwater conditions at HAAF, three model scenarios were run:

- Scenario A—Effect of pumping the LFA at well HAAF 11, 24 hours per day at a rate of 748 gal/min (1.08 Mgal/d), and reducing pumping in existing UFA HAAF supply wells by 187 gal/min (0.27 Mgal/d) or 25 percent of the pumping rate at well HAAF 11 (36Q392). The reduction in withdrawals from the UFA is close to the 189 gal/min rate required to match the maximum drawdown simulated near well HAAF 11.
- Scenario B—Effect of pumping the LFA at well HAAF 11, 24 hours per day at a rate of 748 gal/min (1.08 Mgal/d), and reducing pumping in existing UFA HAAF supply wells by 374 gal/min (0.54 Mgal/d) or 50 percent of the pumping rate at well HAAF 11 (36Q392). The reduction in withdrawals from the UFA is close to the simulated steady-state leakage rate of 361 gal/min.
- Scenario C—Effect of pumping the LFA at well HAAF 11 (36Q392) at a rate of 374 gal/min (0.54 Mgal/d), and reducing pumping in existing UFA HAAF supply wells by 187 gal/min (0.27 Mgal/d) or 50 percent of the pumping rate at well HAAF 11 (36Q392). Note that all withdrawals from the UFA at wells HAAF 8 (36Q292) and HAAF 9 (36Q391) were eliminated for this scenario.

For each scenario, permitted withdrawals for the UFA at HAAF during 2005 were apportioned on the basis of the reported well yield of the four main withdrawal wells—HAAF 1 (36Q285), HAAF 2 (36Q286), HAAF 9 (36Q391), and HAAF 8 (36Q292)—and reduced by a designated percentage (table 10). Withdrawal from well HAAF 11 (36Q392) was held constant at 1.08 Mgal/d (748 gal/min) for scenarios A and B, and was decreased by one-half for scenario C (374 gal/min or 0.54 Mgal/d). For scenarios A and B, pumping reductions in the UFA were uniformly distributed among wells HAAF 1 (36Q285), HAAF 2 (36Q286), HAAF 8 (36Q292), and HAAF 9 (36Q391) on the basis of the well's contribution to the overall yield (table 10). For scenario C, pumping was eliminated at wells HAAF 8 (36Q292) and HAAF 9 (36Q391), with the balance of pumping reductions at wells HAAF 1 (36Q285) and HAAF 2 (36Q286). Simulated drawdown at selected well sites for scenarios A, B, and C is listed in table 10. Maps showing water-level changes in the UFA resulting from scenarios A and B are provided in figures 23–24. A map showing drawdown for scenario C is not provided because drawdown was less than 0.5 ft throughout the area.

For each scenario, pumping reductions in the existing HAAF UFA wells resulted in decreased magnitude and extent of drawdown when compared to a scenario in which a well in the LFA was pumped without reducing withdrawals in the UFA (fig. 18). Pumping at well HAAF 11 (36Q392) in the LFA without reducing pumping in the UFA resulted in a simulated drawdown in the UFA of 2.03 ft near well HAAF 11, with drawdown exceeding 1 ft over a 141-mi^2 area. For scenario A, simulated drawdown was 1.59 ft near well HAAF 11 (36Q392), and the area in which drawdown exceeded 1 ft covered 40.5 mi^2 (fig. 23; table 10). Simulated drawdown in the UFA for scenario B was 1.15 ft at well HAAF 11 (36Q392), and the simulated 1-ft drawdown contour covered an area of 4.37 mi^2 (fig. 24; table 10). For scenario C, simulated drawdown in the UFA was less than 0.5 ft throughout the area and was 0.42 ft near well HAAF 11 (36Q392) (table 10). None of the scenarios resulted in noticeable changes in the configuration of the simulated potentiometric surface and related groundwater-flow directions for the UFA (fig. 25).

Table 10. Simulated pumping and drawdown for the year 2005 permitted pumping rate and model scenarios A, B, and C.

[Mgal/d, million gallons per day; gal/min, gallons per minute; —, not applicable]

Aquifer	Well	Simulated 2005 permitted pumping rate			Simulated scenario pumping rate, in Mgal/d			Simulated scenario water-level decline in the Upper Floridan aquifer, in feet		
		Pump rate (gal/min)	Percent	Mgal/d	A[1]	B[2]	C[3]	A[1]	B[2]	C[3]
Upper Floridan	HAAF 1 (36Q285)	1,300	40.9	0.42	0.31	0.20	0.40	0.81	0.13	0.31
Upper Floridan	HAAF 2 (36Q286)	1,200	37.7	0.39	0.29	0.19	0.37	0.82	0.12	0.31
Upper Floridan	HAAF 5 (36Q288)	—	—	—	—	—	—	1.51	1.13	0.49
Upper Floridan	HAAF 8 (36Q292)	80	2.5	0.03	0.02	0.01	0.00	1.59	1.14	0.40
Upper Floridan	HAAF 9 (36Q391)	600	18.9	0.19	0.14	0.09	0.00	1.45	0.93	0.12
Upper Floridan aquifer total		**2,500**	**100**	**1.03**	**0.76**	**0.49**	**0.76**	—	—	—
Lower Floridan	HAAF 11 (36Q392)	—	—	—	1.08	1.08	0.54	1.59	1.15	0.42
Grand total		**—**	**—**	**1.03**	**1.84**	**1.57**	**1.30**	**—**	**—**	**—**

[1] Scenario A—Effect of pumping the Lower Floridan aquifer at well HAAF 11, 24 hours per day at a rate of 748 gal/min (1.08 Mgal/d), and reducing pumping in existing Upper Floridan aquifer HAAF supply wells by 187 gal/min (0.27 Mgal/d) or 25 percent of well HAAF 11 pumping rate. The reduction in Upper Floridan pumping is close to the 189 gal/min rate required to match the maximum drawdown simulated near well HAAF 11.

[2] Scenario B—Effect of pumping the Lower Floridan aquifer at well HAAF 11, 24 hours per day at a rate of 748 gal/min (1.08 Mgal/d), and reducing pumping in existing Upper Floridan aquifer HAAF supply wells by 374 gal/min (0.54 Mgal/d) or 50 percent of well HAAF 11 pumping rate. The reduction in Upper Floridan aquifer pumping is close to the simulated steady state leakage rate of 361 gal/min.

[3] Scenario C—Effect of pumping the Lower Floridan aquifer at well HAAF 11 at a rate of 374 gal/min (0.54 Mgal/d), and reducing pumping in existing Upper Floridan aquifer HAAF supply wells by 187 gal/min (0.27 Mgal/d) or 50 percent of well HAAF 11 pumping rate. Note all Upper Floridan aquifer pumping eliminated at wells HAAF 8 and HAAF 9 for this scenario.

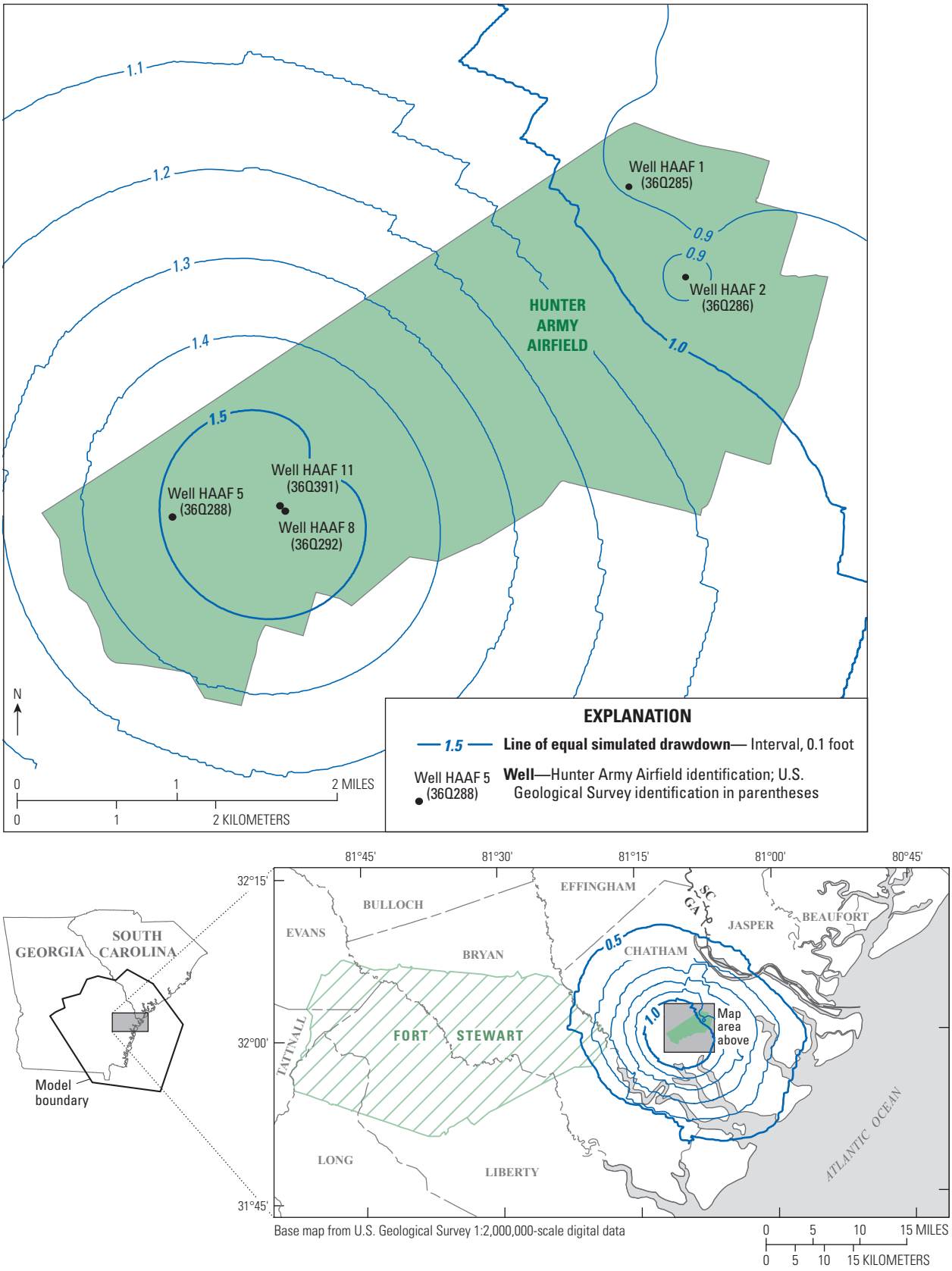


Figure 23. Drawdown in the Upper Floridan aquifer for scenario A—effect of pumping the Lower Floridan aquifer at well HAAF 11 (36Q392) at a rate of 748 gallons per minute, and reducing pumping in existing Upper Floridan aquifer HAAF supply wells by 187 gallons per minute or 25 percent of well HAAF 11 (36Q392) pumping rate—Hunter Army Airfield and vicinity, coastal Georgia.

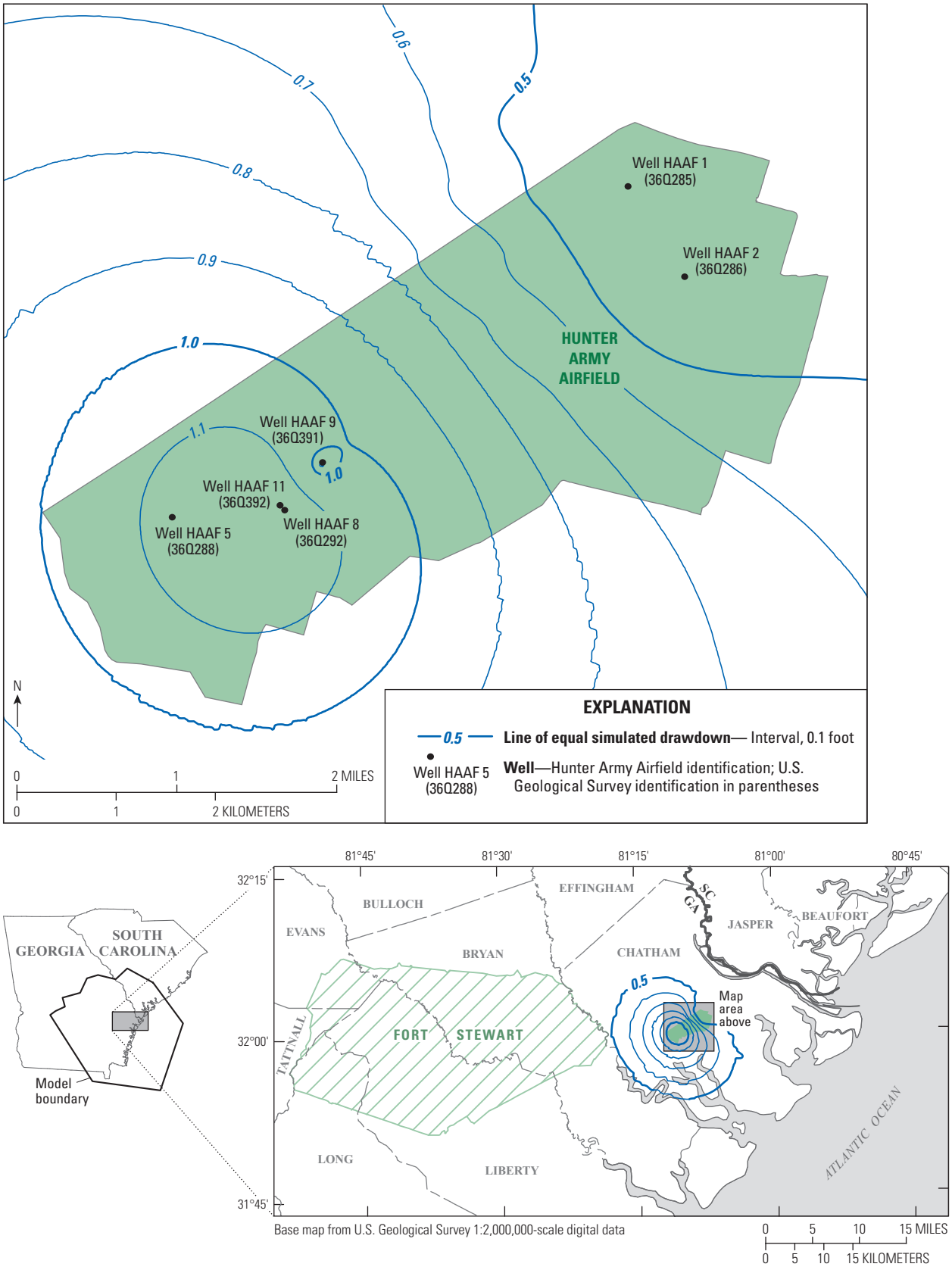


Figure 24. Drawdown in the Upper Floridan aquifer for scenario B—effect of pumping the Lower Floridan aquifer at well HAAF 11 (36Q392) at a rate of 748 gallons per minute, and reducing pumping in existing Upper Floridan aquifer supply wells by 374 gallons per minute or 50 percent of the well HAAF 11 (36Q392) pumping rate—Hunter Army Airfield and vicinity, coastal Georgia.

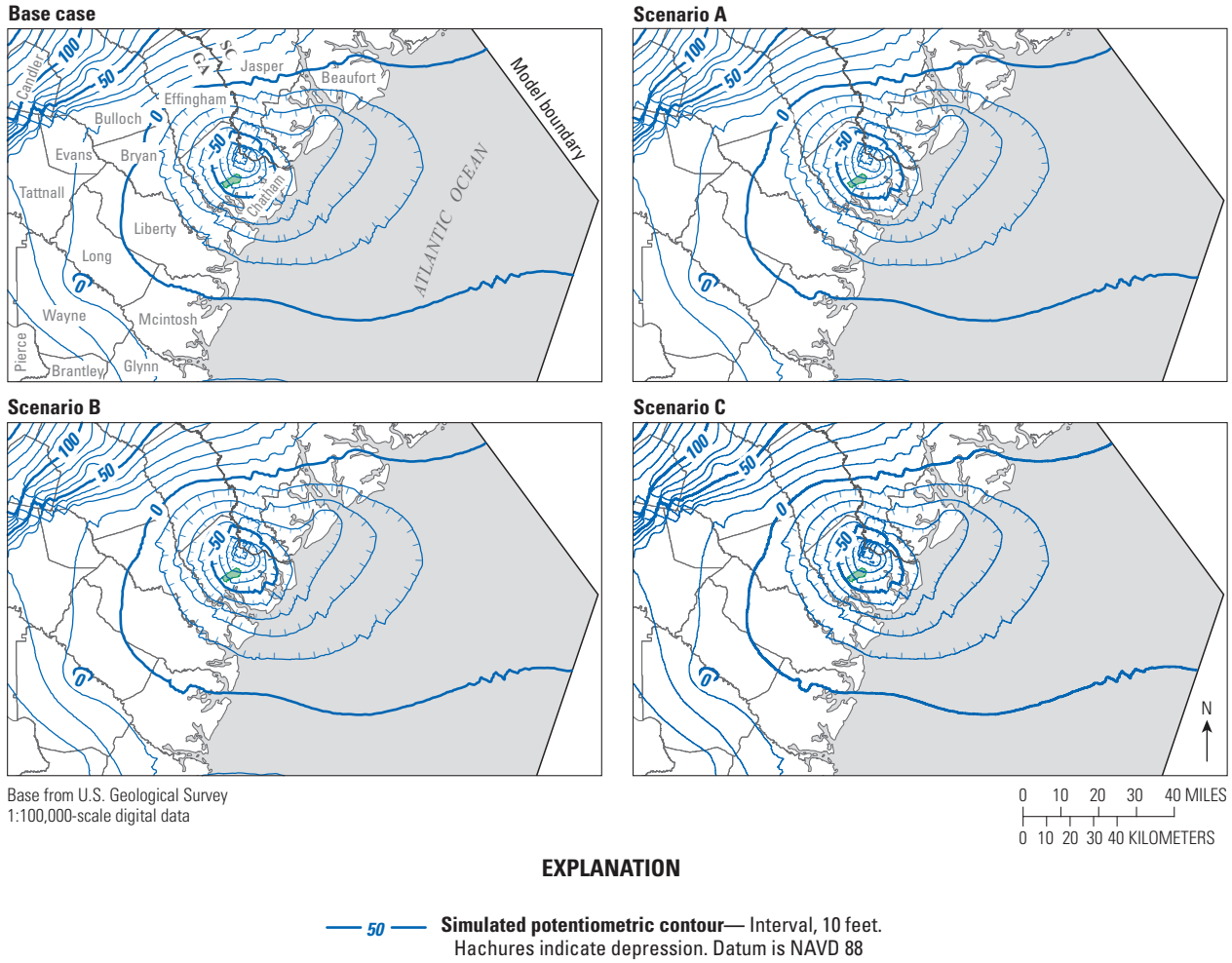


Figure 25. Simulated Upper Floridan aquifer potentiometric surfaces for the 2005 base case and scenarios A, B, and C, Hunter Army Airfield and vicinity, coastal Georgia.

Effect of Pumping Offsets on Water Supply at Hunter Army Airfield

The GaEPD interim strategy for permitting withdrawals from the LFA (Nolton Johnston, Georgia Environmental Protection Division, written commun., January 28, 2003) requires an applicant to

- "offset the impact of the LF [Lower Floridan] pumping by reducing nearby UF [Upper Floridan] permitted pumping in the same general area (within a 5 mile radius) by an amount equal to or greater than the determined UF leakage" and
- "simulate the equivalent Upper Floridan pumping that induces the identical maximum drawdown in the Upper Floridan that would be expected as a result of pumping the Lower Floridan."

Results of model scenarios indicate that these two requirements result in widely varying simulated pumping offsets for the UFA. Simulated interaquifer leakage from the UFA through the Lower Floridan confining unit into the LFA was 361 gal/min (0.52 Mgal/d), whereas a pumping rate of 189 gal/min (0.27 Mgal/d) in a hypothetical UFA well was needed in order to match simulated maximum drawdown in the UFA that resulted from interaquifer leakage. The simulated pumping rate needed to match the maximum drawdown in the UFA underpredicts the amount of pumping offset because the cone of depression formed in response to pumping the UFA is steeper near the pumped well and covers a smaller area than the area simulated in response to interaquifer leakage. Thus, the simulated leakage rate may be a more effective means of evaluating required pumping offsets.

Changes in total permitted capacity at HAAF would vary based on the amount of reduction mandated by GaEPD. Described below are the required pumping reduction and net gain in production capacity at HAAF that would result if (1) the June 2010 revised UFA permit rate is assumed (0.98 Mgal/d), (2) pumping from the LFA is for a 24-hour period at a rate of 748 gal/min (1.08 Mgal/d), and (3) the simulated leakage response (361 gal/min or 0.51 Mgal/d) is used as the basis of the reduction:

- Because the simulated leakage rate is 0.51 Mgal/d, the June 2010 UFA permit at HAAF would need to be reduced by 0.26 Mgal/d to a revised permitted withdrawal rate of 0.72 Mgal/d,
- The new LFA permit would be based on a 24-hour per day pumping period at a withdrawal rate of 748 gal/min (1.08 Mgal/d),
- The resulting water production would be the combined permitted rate of the UFA and LFA or 0.72 Mgal/d + 1.08 Mgal/d = 1.8 Mgal/d.

Pumping offsets and net gain in water production capacity for a variety of pumping periods are listed in table 11. For a 12-hour daily pumping period, the net gain in capacity would range from 0.28 Mgal/d (to meet the leakage requirement) to 0.4 Mgal/d (to meet the maximum drawdown requirement). For a 24-hour pumping period, the net gain in capacity would range from 0.56 Mgal/d (to meet the leakage requirement) to 0.8 Mgal/d (to meet the maximum drawdown requirement).

Table 11. Projected reductions in Upper Floridan aquifer permitted capacity and net gain in total water capacity for various pumping periods, well HAAF 11 (36Q392), Hunter Army Airfield, Chatham County, Georgia.

[gal/min; gallon per minute; Mgal/d, million gallons per day]

Lower Floridan pumping (well HAAF 11)			Estimated Upper Floridan aquifer pumping reduction to offset Lower Floridan aquifer pumping effects		June 2010 permitted Upper Floridan aquifer withdrawal rate	Revised Upper Floridan aquifer withdrawal rate (accounting for pumping reduction)	Total pumping capacity (Upper and Lower Floridan aquifers combined)	Net increase in pumping capacity (Upper and Lower Floridan aquifers combined)	Remarks
Daily pumping period (hours)	Gal/min	Mgal/d	Gal/min	Mgal/d	Mgal/d	Mgal/d	Mgal/d	Mgal/d	
To offset simulated interaquifer leakage response in Upper Floridan aquifer in response to Lower Floridan aquifer pumping in well HAAF 11									
8	748	0.36	361	0.17	0.98	0.81	1.17	0.19	
12	748	0.54	361	0.26	0.98	0.72	1.26	0.28	See model scenario C
16	748	0.72	361	0.35	0.98	0.63	1.35	0.37	
24	748	1.08	361	0.52	0.98	0.46	1.54	0.56	See model scenario B
To offset simulated maximum drawdown in the Upper Floridan aquifer in response to pumping a hypothetical Upper Floridan aquifer well at the location of well HAAF 11									
8	748	0.36	189	0.09	0.98	0.89	1.25	0.27	
12	748	0.54	189	0.14	0.98	0.84	1.38	0.40	
16	748	0.72	189	0.18	0.98	0.80	1.52	0.54	
24	748	1.08	189	0.27	0.98	0.71	1.78	0.80	See model scenario A

Limitations of Analysis

The effect of pumping the LFA on water levels in the UFA was analyzed using model simulation. These analyses are limited by the accuracy of field data, including possible errors and uncertainty in water-level measurements, hydraulic properties, and pumping. Although water-level data were filtered (Halford, 2006) in an attempt to eliminate local interferences, such as tidal and pumping effects, it is possible that some of these interferences still affect recorded levels and, thus, computed hydraulic properties and measured drawdown response.

A revised regional-flow model was used to simulate long-term (steady-state) changes in groundwater flow. Additional insight into changes in water levels over time could be gained by using transient simulation. The revised model reasonably depicts changes in groundwater levels resulting from pumping the LFA at HAAF at a rate of 748 gal/min. Results are limited by the same model assumptions and design as described by Payne and others (2005). In addition to limitations of field data accuracy as described above, the revised model may have inaccuracies in the conceptual model of groundwater flow. For example, approximations made in representing the physical properties of the flow system and errors inherent in estimating the spatial distribution of these properties; approximations made in the formulation and application of model boundary and initial conditions; errors associated with numerical approximation and solution of the mathematical model of the flow system; and assumptions made in using the models to predict the future behavior of the flow system. The variably spaced mesh used in the revised model has an aspect ratio between row and column dimensions of as high as 1,646:1, which can lead to numerical errors (de Marsily, 1986, p. 351). Fortunately, such high aspect ratios occur only in areas distant from HAAF and will have little effect on simulated results in the area.

Simulated rates of interaquifer leakage and drawdown may be lower than actual because of the influence of specified-head and general-head boundaries. These boundaries supply an unlimited amount of water to the groundwater system, which may result in lower than actual simulated drawdown and related rates of interaquifer leakage. Simulation results could be improved by eliminating these types of boundaries and using active simulation of the surficial aquifer and by using lateral specified-flux boundaries.

Summary and Conclusions

To assess the hydrogeology and water quality of the Floridan aquifer system and the potential effect of Lower Floridan aquifer (LFA) pumping on the Upper Floridan aquifer (UFA), the U.S. Geological Survey, in cooperation with the Department of the Army, conducted an investigation at Hunter Army Airfield (HAAF) in Chatham County, Georgia, during 2009. The study included construction of a test well completed in the LFA, aquifer-performance testing, geophysical logging, water-quality sampling and analysis, and digital groundwater modeling.

Results of test drilling and field tests indicate the LFA at HAAF consists of limestone and dolomitic limestone between depths of 703 and 1,080 feet (ft). Six major permeable zones were identified through borehole-geophysical logging and flowmeter testing: 723–731; 768–785; 818–837; 917–923; 1,027–1,052; and 1,060–1,080 ft. The two uppermost zones contribute about 469 gallons per minute (gal/min) or 62.6 percent of the total flow of 748 gal/min. The remaining four zones each contributed from 1.7 to 18 percent of the total flow.

Grab water samples indicate water from the LFA is hard to very hard with a bicarbonate alkalinity of 150 to 250 milligrams per liter (mg/L). With the exception of fluoride, constituent concentrations increased with depth. Water from the deepest interval (1,075 ft) has a chloride concentration of 480 mg/L and a sulfate concentration of 240 mg/L, above and close to the U.S. Environmental Protection Agency (USEPA) secondary maximum contamination level for drinking water, respectively. Flowmeter testing indicates that water from the 1,075-ft zone contributes less than 2 percent of the total flow to the well, so the relatively higher concentrations of chloride and sulfate in the deepest interval will not adversely affect the water quality in the completed well. A composite water-quality sample from the completed LFA well indicated constituent concentrations of the composite sample were all below USEPA primary and secondary maximum contaminant levels (U.S. Environmental Protection Agency, 2009).

To assess the effect of LFA pumping on the UFA, a 72-hour aquifer test was conducted in which LFA well HAAF 11 (36Q392) was pumped at an average rate of 748 gal/min, and drawdown response was monitored in nearby UFA wells HAAF 5 (36Q288) and HAAF 8 (36Q292). At the end of 72 hours, total drawdown—after filtering data to remove the effects of regional pumping, tides, and barometric pressure—was 0.76 ft in well HAAF 8 (36Q292) and 0.43 ft in well HAAF 5 (36Q288).

A revised regional groundwater-flow model was used to simulate the long-term (steady-state) leakage response of the UFA to pumping from the LFA, and to estimate the equivalent amount of UFA pumping that would produce similar

drawdown. The model incorporated data obtained during field testing at the site of well HAAF 11 and applied a fine grid resolution near that well to enable more accurate simulation at small scale.

Pumping well HAAF 11 (36Q392) at a rate of 748 gal/min (about 1 million gallons per day [Mgal/d] resulted in a maximum steady-state drawdown of 36.2 ft in the LFA and was greater than 1 ft over a 146-square-mile (mi^2) area. Simulated steady-state drawdown in the overlying UFA that resulted from interaquifer leakage was greater than 1 ft over a 141-mi^2 area and was 2.03 ft at the site of well HAAF 11.

Pumping 1 Mgal/d at well HAAF 11 (36Q392) had a minor influence on the overall simulated water budget, with most of the change reflected by an increase in recharge from the overlying general head boundary. Although the overall budget changed little, there was a redistribution of flow in individual model layers. Flow to well HAAF 11 (36Q392) was derived by increased lateral flow from specified-head boundary (0.02 Mgal/d), increased leakage from the UFA through the Lower Floridan confining unit (0.52 Mgal/d), and reductions in discharge to the Lower Floridan confining unit (0.53 Mgal/d) and to lateral specified-head boundaries (0.53 Mgal/d). Sixty-five percent of the leakage from the UFA occurred within 1 mile of well HAAF 11. This larger contribution results from a larger head gradient between the pumped well and overlying aquifer in areas close to the pumped well.

As part of the interim permitting strategy for the LFA, the Georgia Environmental Protection Division (GaEPD) required simulation of (1) aquifer leakage from the UFA to LFA resulting from pumping the new LFA well, and (2) "the equivalent Upper Floridan pumping that induces the identical maximum drawdown in the Upper Floridan that would be expected as a result of pumping the Lower Floridan." Results of this analysis can be used as a basis to reduce nearby UFA permitted pumping in the same general area (within a 5-mi radius) by an amount equal to or greater than the determined leakage rate. Results of model simulations indicate that these two requirements result in widely varying pumping offsets for the UFA. Simulated interaquifer leakage was 361 gal/min (0.52 Mgal/d), whereas the equivalent UFA pumping rate to offset maximum drawdown was 189 gal/min (0.27 Mgal/d). The simulated pumping rate necessary to match the maximum drawdown in the UFA underpredicts the amount of pumping offset because the cone of depression formed in response to pumping the UFA is steeper near the pumped well and covers a smaller area than the area simulated in response to interaquifer leakage. Thus, the simulated leakage rate may be a more effective means of evaluating required pumping offsets.

Three groundwater pumping scenarios were run to evaluate the effect of various pumping changes on groundwater levels at HAAF:

- Scenario A—Effect of pumping the LFA at well HAAF 11, for 24 hours per day at a rate of 748 gal/min (1.08 Mgal/d), and reducing pumping in existing UFA HAAF supply wells by 187 gal/min (0.27 Mgal/d) or 25 percent of the pumping rate at well HAAF 11 (36Q392). The reduction in withdrawals from the UFA is close to the 189 gal/min rate required to match the maximum drawdown simulated near well HAAF 11.

- Scenario B—Effect of pumping the LFA at well HAAF 11, for 24 hours per day at a rate of 748 gal/min (1.08 Mgal/d), and reducing pumping in existing UFA HAAF supply wells by 374 gal/min (0.54 Mgal/d) or 50 percent of the pumping rate at well HAAF 11 (36Q392). The reduction in withdrawals from the UFA is close to the simulated steady state leakage rate of 361 gal/min.

- Scenario C—Effect of pumping the LFA at well HAAF 11 (36Q392) at a rate of 374 gal/min (0.54 Mgal/d), and reducing pumping in existing UFA HAAF supply wells by 187 gal/min(0.27 Mgal/d) or 50 percent of the pumping rate at well HAAF 11 (36Q392). Note that all withdrawals from the UFA at wells HAAF 8 (36Q292) and HAAF 9 (36Q391) were eliminated for this scenario.

For each scenario, pumping reductions in existing HAAF UFA wells resulted in decreased magnitude and extent of drawdown when compared to a scenario in which the LFA was pumped without adjusting withdrawals from the UFA. Pumping from the LFA well HAAF 11 (36Q392) without adjusting pumping from the UFA resulted in drawdown exceeding 1 ft over a 141 mi^2, whereas drawdown exceeding 1 ft covered areas of 40.5 mi^2 for scenario A and 4.37 mi^2 for scenario B. Drawdown was less than 0.5 ft for scenario C. None of the scenarios resulted in noticeable changes in the configuration of the simulated potentiometric surface and related groundwater flow directions for the UFA.

GaEPD requires a reduction in permitted UFA withdrawals in order to offset simulated rates of leakage and maximum drawdown in the UFA. Once these reductions are accounted for, the net gain in water production capacity would be the difference between the maximum pumping rate in well HAAF 11 (36Q392) and the pumping offset. Changes in total permitted capacity at HAAF would vary on the basis of which amount of reduction is mandated by GaEPD. For a 12-hour daily pumping period, the net gain in capacity would range from 0.28 Mgal/d (to meet the leakage requirement) to 0.4 Mgal/d (to meet the maximum drawdown requirement). For a 24-hour pumping period, the net gain in capacity would range from 0.56 to 0.8 Mgal/d.

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Appendix. Groundwater Model

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Regional Groundwater Model

The existing USGS regional groundwater-flow model (herein termed "regional model") of Payne and others (2005) was modified using hydrogeological information obtained from field investigations and from existing wells in the vicinity of Hunter Army Airfield (HAAF) to simulate pumping from the newly constructed Lower Floridan aquifer well (HAAF 11, 36Q392) and the effect on the Upper Floridan aquifer. The regional model is described in detail in Payne and others (2005); only a brief description is included here. The regional model was calibrated for predevelopment, 1980, and 2000 pumping and boundary conditions. Because pumpage during 2009 was within the range simulated by the earlier regional model, the revised model was deemed suitable for the evalution of groundwater flow at HAAF.

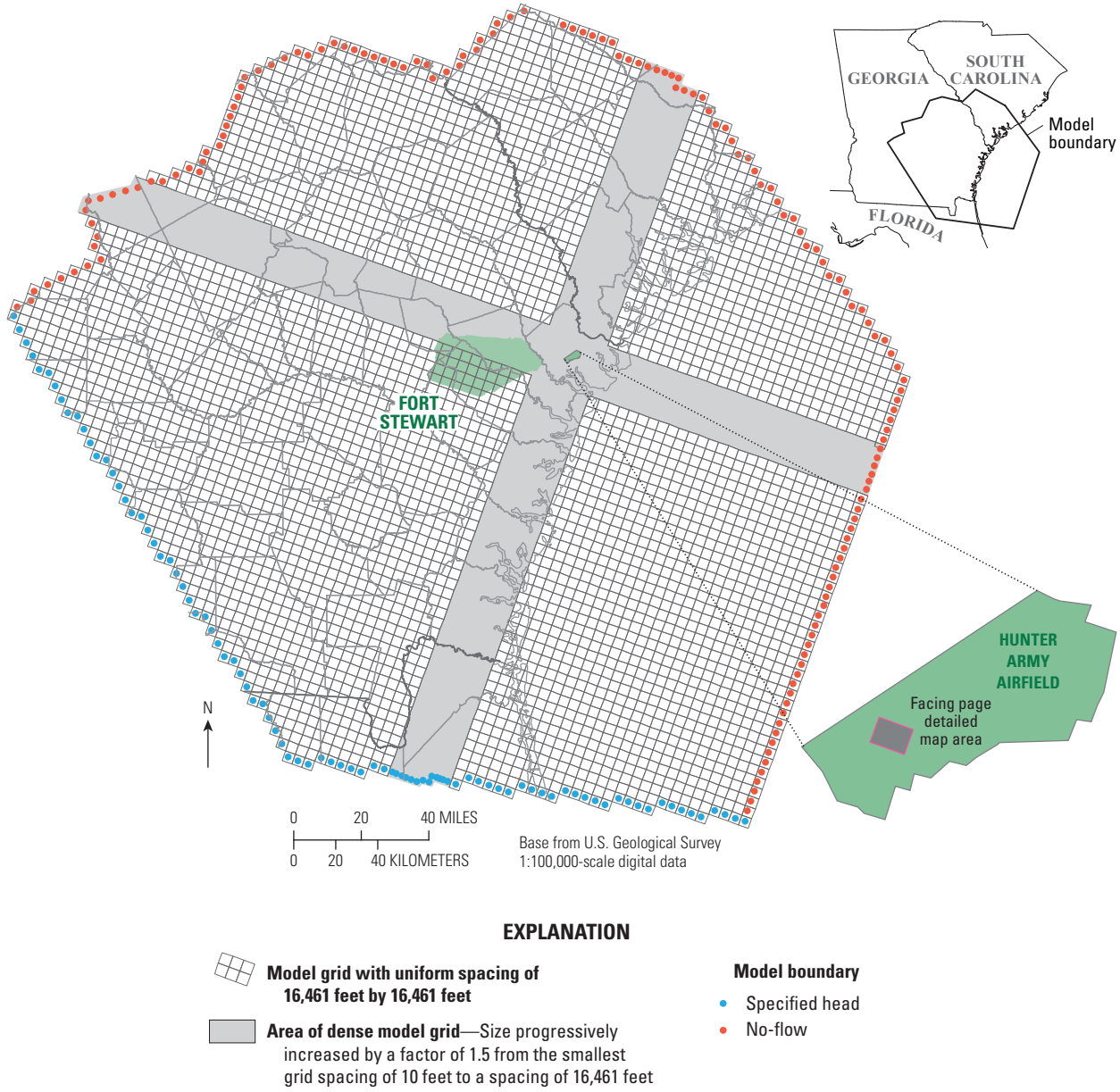


Figure A–1. Location of selected wells, regional groundwater model and boundary conditions, and revised model grid Hunter Army Airfield and vicinity, coastal Georgia.

Regional groundwater flow was simulated using MODFLOW-2000 (Harbaugh and others, 2000), a finite-difference, constant-density flow simulator that is widely used and is appropriate for modeling local- and regional-scale groundwater-flow systems. To account for natural hydrologic boundaries, the model area covers a 42,155 square-mile (mi^2) area extending inland in Georgia and into northeastern Florida and southwestern South Carolina, and the adjacent offshore area (fig. A–1).

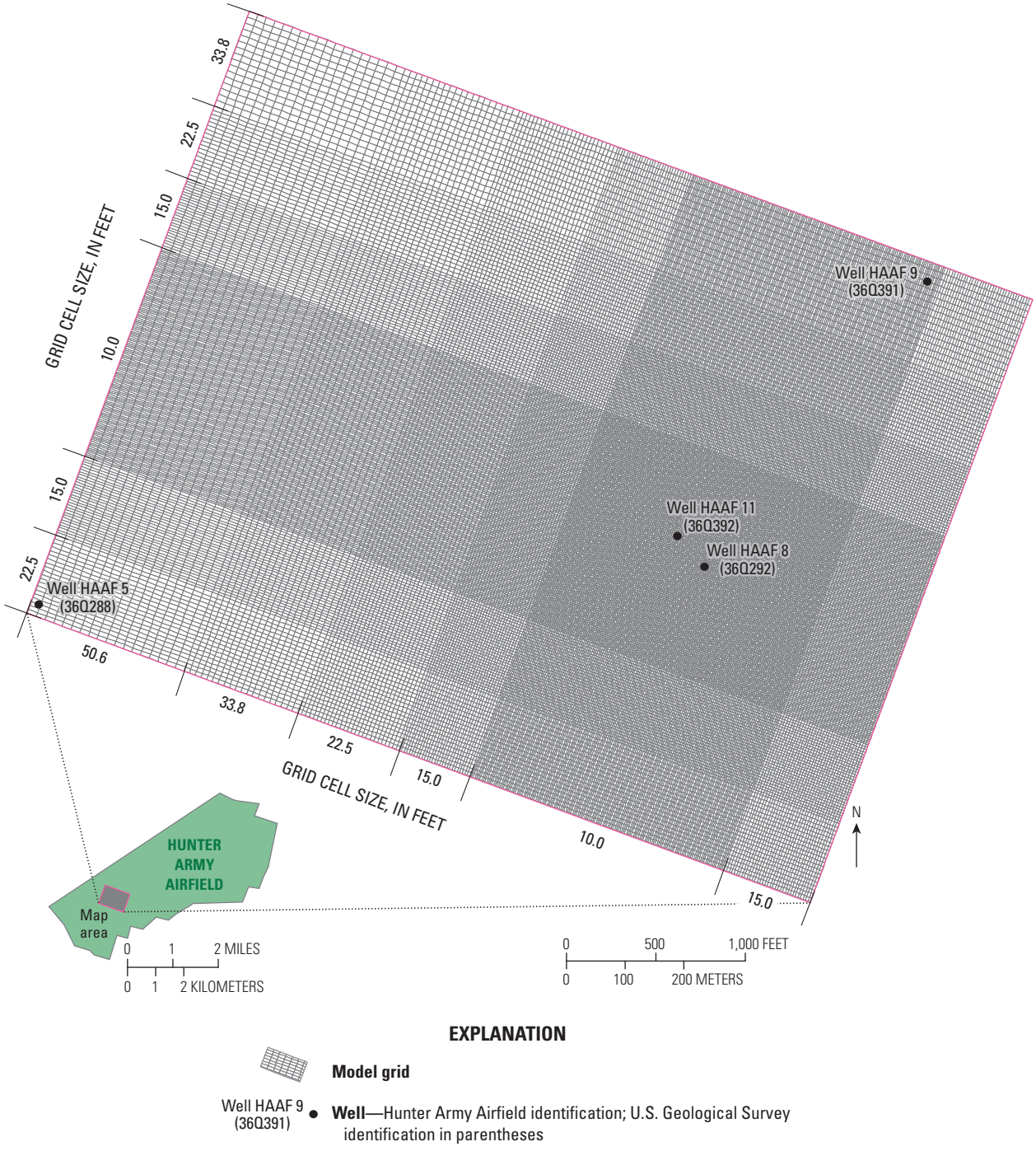


Figure A–1. Location of selected wells, regional groundwater model and boundary conditions, and revised model grid Hunter Army Airfield and vicinity, coastal Georgia.—Continued

The regional model (Payne and others, 2005) was calibrated for 1980 and 2000 pumping conditions assuming steady-state flow. The regional model consists of seven hydrogeologic units (fig. A–2), which include, in descending order:

- the confined upper and lower water-bearing zones of the surficial aquifer system, grouped together as layer 1;
- the Brunswick aquifer system confining unit (layer 2);
- the upper and lower Brunswick aquifers, grouped as the Brunswick aquifer system (layer 3);
- the Upper Floridan aquifer confining unit (layer 4);
- the Upper Floridan aquifer (layer 5);
- the Lower Floridan aquifer confining unit (layer 6); and
- the Lower Floridan aquifer (layer 7).

These units crop out to the northwest of the study area and generally dip and thicken to the southeast. The thickness, extent, and other hydraulic properties of these units as well as the model development process are described in detail in Payne and others (2005). A schematic diagram showing model layers and boundary conditions is shown in figure A–2.

The original regional model was horizontally discretized using a variably spaced grid, with cell sizes ranging from approximately 4,000 × 5,000 feet (ft) (0.7 mi^2) to 16,500 × 16,500 ft (9.8 mi^2). At HAAF, the mesh resolution is 5,000 × 5,200 ft, whereas at Fort Stewart the resolution is 14,900 × 16,100 ft. Each hydrogeologic unit is represented with one layer of grid cells in the vertical dimension.

With the exception of layers 5, 6, and 7 (Upper and Lower Floridan aquifers and intervening confining unit), lateral boundaries for all layers are designated as noflow. For layers 5, 6, and 7, the lateral boundaries on all sides of the

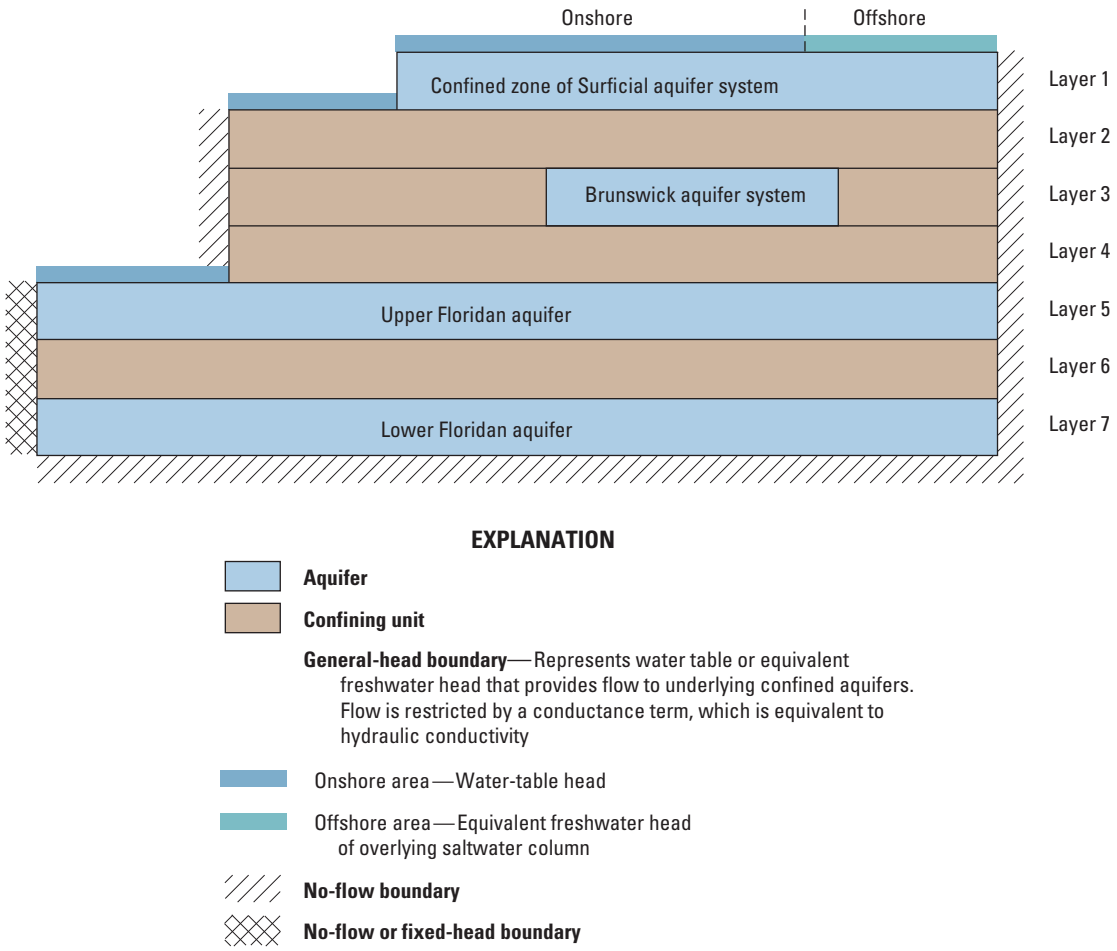


Figure A–2. Schematic diagram showing model layers and boundary conditions (from Payne and others, 2005).

model, except for the southern and southwestern sides, also are designated as noflow. The southern and southwestern lateral boundaries are set as specified head for the layers representing the Upper Floridan aquifer (layer 5), the Lower Floridan aquifer (layer 7), and the intervening confining unit (layer 6). For these three layers, the value assigned to specified-head cells is based on Upper Floridan aquifer head estimated from potentiometric-surface maps for 1998 (Peck and others, 1999).

The bottom boundary of the regional model is noflow, corresponding to the lower confiing unit of the Floridan aquifer system, whereas the top boundary is set as a head-dependent flux (or general head) boundary condition with a controlling specified head and a conductance term that regulates the flux into the top layer of the model. The controlling head is the water-table altitude in the onshore area and the freshwater equivalent of the saltwater head in the offshore area. In the onshore area, the conductance is set to limit the amount of recharge entering the system in any given grid cell to less-than-maximum estimated recharge from baseflow estimates (Priest, 2004). For the purpose of simplification and because little is known about hydraulic properties in the offshore area, the conductance imposed in the offshore area is large, posing minimal resistance to flow in or out of the system.

Pumping distribution was assigned based on county-aggregate and site-specific data, which were used to estimate average annual pumpage for 1980 and 2000. Pumpage was assigned to model layers 3 (Brunswick aquifer system), 5 (Upper Floridan aquifer), and 7 (Lower Floridan aquifer) based on the open interval of wells located within a model cell. The sum of site-specific and nonsite-specific pumping rates for 1980 and 2000 were assigned to the model cell in which their respective assigned locations and aquifers were situated. Total pumpage simulated by the model during 1980 was 692 Mgal/d, by 2000 this had risen to 798 Mgal/d.

Revisions to Regional Model

A steady-state simulation was conducted using the model of Payne and others (2005) in which well HAAF 11 (36Q392) was pumped at a rate of 748 gallons per minute (gal/min) and drawdown response was recorded. Simulated Upper Floridan aquifer drawdown was 4.13 ft at well HAAF 8 (36Q292) and 3.08 ft at well HAAF 5 (36Q288); Lower Floridan aquifer drawdown was 222 ft at well HAAF 11 (36Q392). The amount of drawdown simulated in the Lower Floridan aquifer was more than six times greater than the 36.3 ft of drawdown observed in well HAAF 11 (36Q392) during a 72-hour aquifer test in which drawdown appeared to have mostly stabilized. This excessive drawdown indicated that modification of the model was needed.

The regional model was modified to enable more detailed simulation in the vicinity of the new Lower Floridan aquifer well (HAAF 11, 36Q392) and surrounding area. Grid-cell dimensions were modified to a variably spaced grid (fig. A–1) that was progressively increased by a factor of 1.5 from the smallest grid spacing of 10 ft near well HAAF 11 (36Q392) to a spacing of 16,461 ft, which was held constant to the lateral extent of the model. The revised model consists of 452 rows and 530 columns. Model layering and boundary conditions remained unchanged from the original regional model.

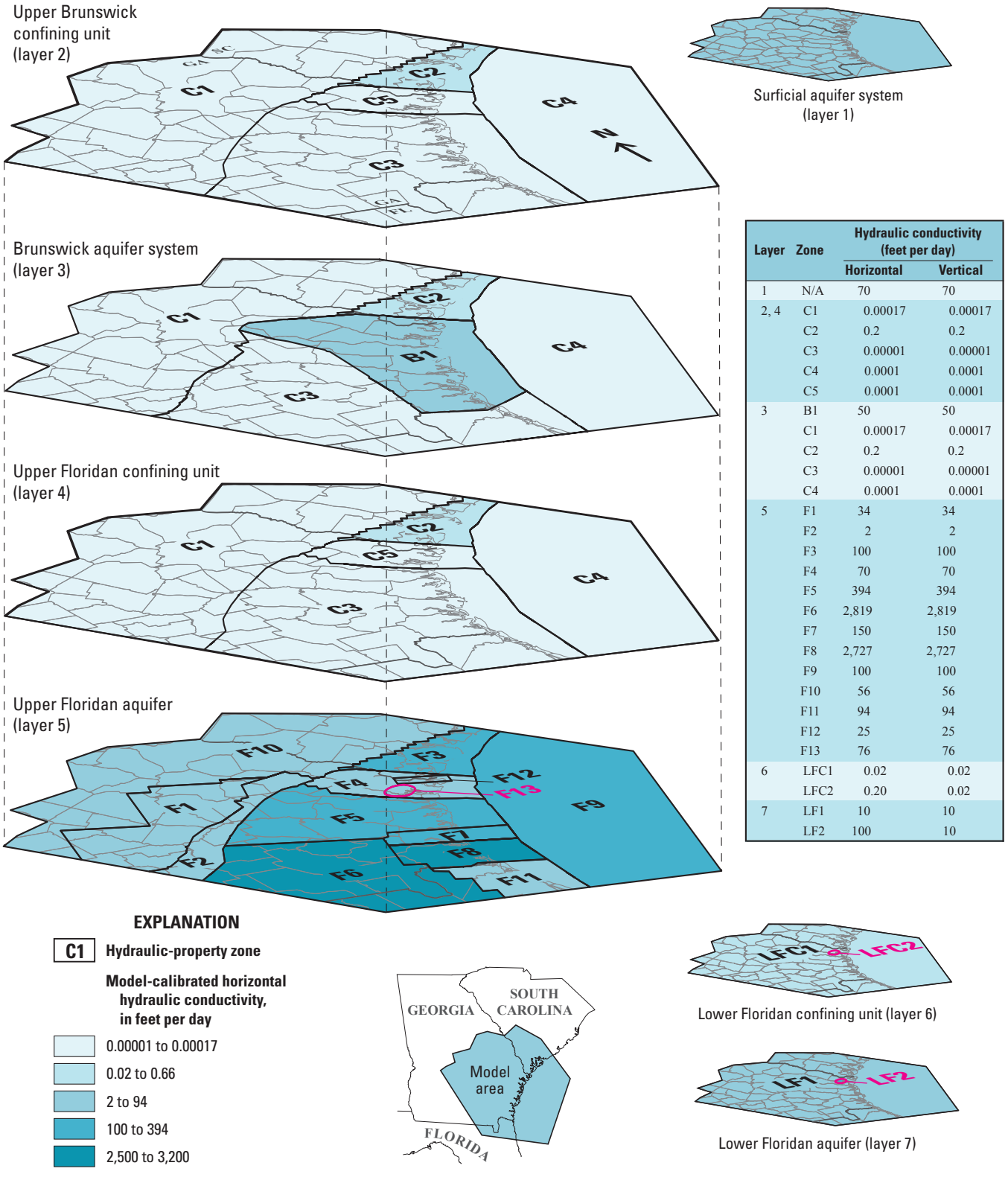
Refinement of Hydraulic Conductivity Distribution

Values of vertical and horizontal hydraulic conductivity (K_v, K_h) in the revised model corresponded to values used in the original regional model (Payne and others, 2005) in the area outside of HAAF. Field testing at HAAF provided new information on the hydraulic properties of the Upper Floridan aquifer (layer 5), Lower Floridan confining unit (layer 6), and Lower Floridan aquifer (layer 7), and enabled refinement of values in the original regional model. In addition, results of a 72-hour aquifer test conducted in the Lower Floridan aquifer provided information on drawdown in the Lower Floridan aquifer and in the overlying Upper Floridan aquifer, which guided a revised calibration of the model in the vicinity of HAAF within the larger regional model. Maps showing the distribution of hydraulic- property zones by model layer are shown in figure A–3.

To incorporate refined hydraulic-property information, new hydraulic-property zones were created in the Upper Floridan aquifer (zone F13), Lower Floridan aquifer (zone LF2) and intervening Lower Floridan confining layer (zone LFC2). These zones cover a 114.5 mi^2 common area that includes HAAF and the area of highest grid resolution, and extend from western Chatham County into eastern Bryan County (fig. A–3).

For the Upper Floridan aquifer (layer 5), zone F13 was subdivided from existing regional model zone F4, and assigned a K_v and K_h value of 76 feet per day (ft/d), which is slightly higher than the 70 ft/d value assigned in the original regional model. This modification was based on results of aquifer testing conducted in wells HAAF 9 (36Q291) and HAAF 8 (36Q292). Multiplying this K_h value by the simulated thickness of the aquifer (526 ft) gives an estimated transmissivity of 40,000 square feet per day (ft^2/d), matching results of field testing at HAAF.

In the original regional model (Payne and others, 2005), the Lower Floridan confining unit (layer 6) was assigned a constant K_h and K_v value of 0.02 ft/d; in the revised model, zone LFC2, covering an identical area as zone F13, was subdivided from this single zone and assigned a K_h value of 0.2 ft/d and a K_v value of 0.02 ft/d (fig. A–3). These values were based on adjustments made during model calibration and are at the lower end of the range of estimated values derived from packer-slug tests and core analysis at well HAAF 11 (36Q392).



Layer	Zone	Hydraulic conductivity (feet per day)	
		Horizontal	Vertical
1	N/A	70	70
2, 4	C1	0.00017	0.00017
	C2	0.2	0.2
	C3	0.00001	0.00001
	C4	0.0001	0.0001
	C5	0.0001	0.0001
3	B1	50	50
	C1	0.00017	0.00017
	C2	0.2	0.2
	C3	0.00001	0.00001
	C4	0.0001	0.0001
5	F1	34	34
	F2	2	2
	F3	100	100
	F4	70	70
	F5	394	394
	F6	2,819	2,819
	F7	150	150
	F8	2,727	2,727
	F9	100	100
	F10	56	56
	F11	94	94
	F12	25	25
	F13	76	76
6	LFC1	0.02	0.02
	LFC2	0.20	0.02
7	LF1	10	10
	LF2	100	10

Figure A–3. Schematic diagram showing simulated hydraulic property zones by model layer. Zone added for updated model shown in magenta (modified from Payne and others, 2005).

In model layer 7, which represents the Lower Floridan aquifer, zone LF2 was subdivided from a single zone that was previously assigned a uniform K_h and K_v value of 10 ft/d in the original regional model of Payne and others (2005). Zone LF2 covers an identical area as zones F13 and LFC2 and was assigned a K_h value of 100 ft/d and a K_v value of 10 ft/d on the basis of results of aquifer testing conducted in well HAAF 11 (36Q392). Multiplying the K_h value by the regional-model-assigned thickness for the Lower Floridan aquifer of 70 ft, gives a transmissivity of 7,000 ft^2/d, which is similar in magnitude to the 11,000 ft^2/d value computed from an aquifer test conducted in well HAAF 11 (36Q392). K_v of the Lower Floridan aquifer in zone LF2 was 10 ft/d based on an assumed 10:1 ratio of horizontal to vertical properties.

Simulation of Observed Drawdown in Pumped Well

Drawdown calculated by the MODFLOW model represents the average drawdown for the grid cell, which is less than that observed in an individual pumped well. Because the grid cell size used in the MODFLOW simulation at the pumped well (10 ft^2) is much larger than the well diameter (0.33 ft), the drawdown calculated by the MODFLOW model at the pumped well needs to be proportionately increased on the basis of well diameter to provide a more precise estimate of drawdown. Simulated drawdown was adjusted using the following equation (Peaceman, 1983):

$$S_p = Sb + [Q * \ln(r_e / r_w) / 2\pi (T_{xx} T_{yy})^{0.5}] \quad (1)$$

where:

S_p is the adjusted drawdown in the pumped well, in feet;
S_b is the MODFLOW simulated drawdown in the pumped well, in feet;
Q is the pump discharge, in cubic feet per day (144,000);
r_e is the equivalent well block radius, in feet (5);
r_w is the well radiusin feet (0.33);
T_{xx} is the transmissivity in the x-direction, in feet squared per day (7,000); and
T_{yy} is the transmissivity in the y-direction, in feet squared per day (7,000).

Use of this equation indicated that simulated values in the model cell containing well HAAF 11 (36Q392) when pumped at a rate of 748 gal/min would would be 8.9 ft less than the observed drawdown. A similar analysis for an Upper Floridan aquifer well pumped at a rate of 650 gal/min and using the same parameters, with the exception of a value of 40,000 ft^2/d for transmissivity, indicates that simulated values for a pumped well in this aquifer would require an adjustment of about 1.36 ft.

Comparison of Revised to Original Regional Model

Because the original regional model of Payne and others (2005) was modified by changing grid size and by assigning different hydraulic properties in the vicinity of HAAF, a comparison of the two models is provided to ensure the model is still an accurate representation of groundwater flow. Summaries of water-level residuals (simulated minus observed head) and simulated water budgets for the two models are presented (tables A–1 and A–2). Water-level residuals for the Upper and Lower Floridan aquifers are shown on maps plotted in figure A–4 and graphically in figure A–5.

Model results indicate that the revised regional model has water-level residuals and a simulated water budget similar to the original model of Payne and others (2005), and thus, the model remains equally representative of the hydrologic system (tables A–1, A–2). These results are expected because model revisions are limited to a 114.5 mi^2 area representing less than 1 percent of the model area. Water-level residuals for the revised regional model were slightly higher than those calculated from the original model for layers 5 and 7, with root mean square (RMS) of 10.2 and 9.91 ft, respectively (table A–1). Eighty percent of the residuals for layer 5 derived from the revised model were within –3.8 to 2.9 ft of the original regional model residuals.

The RMS of water-level residuals for layer 3 (11 ft) in the revised model was nearly double that in the original regional model (5.91 ft) but is acceptable for the purpose of the modified model. Simulated water levels in 8 of 10 wells in layer 3 showed residuals that increased by 0.34 to 3.4 ft when compared to the orginal regional model. Most of the increase in the RMS for layer 3 can be attributed to two wells that had water-level residuals of –19 ft (figs. A–4, A–5). These wells are located adjacent to one another in the same model cell, in an area where the grid size of the revised model was more than four times greater than in the original regional model. This larger grid size reduced the capability of the model to simulate steeper gradients in the vicinity of the Savannah area cone of depression and resulted in a greater residual. Because the larger grid size and related increase in RMS for layer 3 occurred away from the area of higher grid resolution in the vicinity of HAAF, model simulations at HAAF were not affected.

Simulated water budgets for the regional and revised models were similar, with only slight variation (table A–2). The revised model showed a slight increase in interaction with lateral boundaries and a slight decrease in interaction with the overlying general head boundary, specifically, (1) overall decreases in recharge from and discharge to the overlying general-head boundary, and (2) decreased outflow and increased inflow along lateral specified-head boundaries.

Table A–1. Comparison of water-level calibration statistics between the original (Payne and others, 2005) and revised regional models, year 2000 steady-state simulation.

[Residual equals simulated minus observed head]

Aquifer	Model layer	Number of observations	Minimum residual (feet)		Maximum residual (feet)		Mean of residuals (feet)		Root mean square of residuals (feet)	
			Original model[1]	Revised model	Original model[1]	Revised model	Original model[1]	Revised model	Original model[1]	Revised model
Brunswick aquifer system	3	10	–7.67	–19.1	13.3	14.0	1.79	–1.87	5.91	11
Upper Floridan aquifer	5	155	–44.4	–30.2	36.4	33	–0.84	–1.78	9.94	10.2
Lower Floridan aquifer	7	11	–3.62	–5.7	21.5	29	5.2	3.84	9.15	9.91

[1] Original model by Payne and others, 2005.

Table A–2. Comparison of simulated water budget by model layer between the original (Payne and others, 2005) and revised regional models, year 2000 simulation

[Values reported to three significant digits and may not sum to totals because of independent rounding; <, less than]

Hydrogeologic unit	Model layer	Simulated flow in million gallons per day									
		Pumpage		Recharge from general-head boundary		Discharge to general-head boundary		Inflow along lateral boundary		Outflow along lateral boundary	
		Original model[1]	Revised model	Original model[1]	Revised model	Original model[1]	Revised model	Original model[1]	Revised model	Original model[1]	Revised model
Surficial aquifer system	1	<0.001	<0.001	310	274	132	102	<0.001	<0.001	<0.001	<0.001
Confining unit	2	<0.001	<0.001	46.6	46.1	3.62	4.70	<0.001	<0.001	<0.001	<0.001
Brunswick aquifer system	3	0.241	0.241	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Confining unit	4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Upper Floridan aquifer	5	669	669	141	145	22.3	22.1	712	715	268	266
Confining unit	6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.004	<0.001	<0.001
Lower Floridan aquifer	7	129	129	<0.001	<0.001	<0.001	<0.001	15.5	16.6	2.32	1.97
Total all layers		**798**	**798**	**498**	**465**	**158**	**129**	**728**	**732**	**270**	**268**

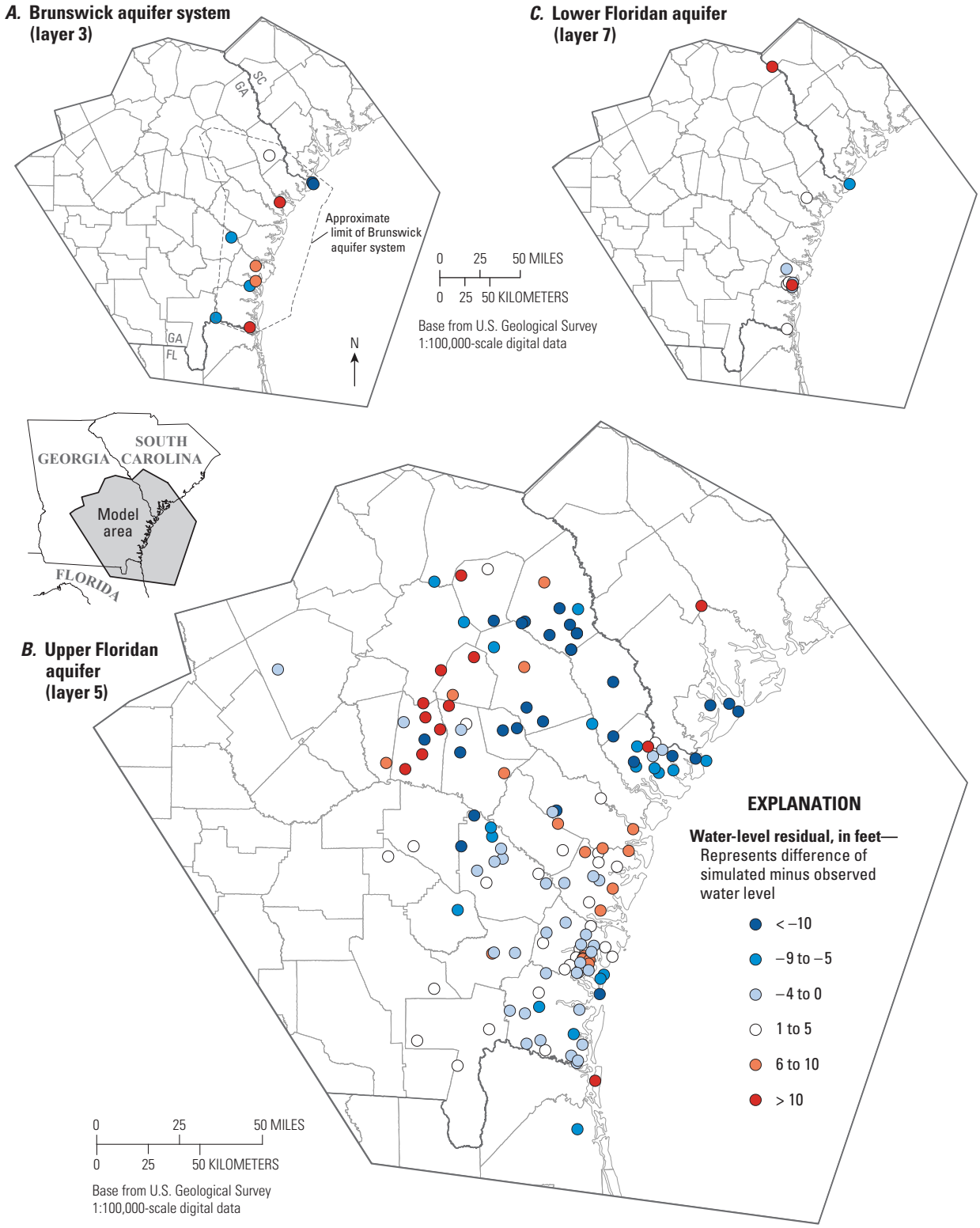


Figure A–4. Difference between simulated and observed water levels (residuals) by model layer for 2000, revised regional flow model: *(A)* Brunswick aquifer system (layer 3), *(B)* Upper Floridan aquifer (layer 5), and *(C)* Lower Floridan aquifer (layer 7).

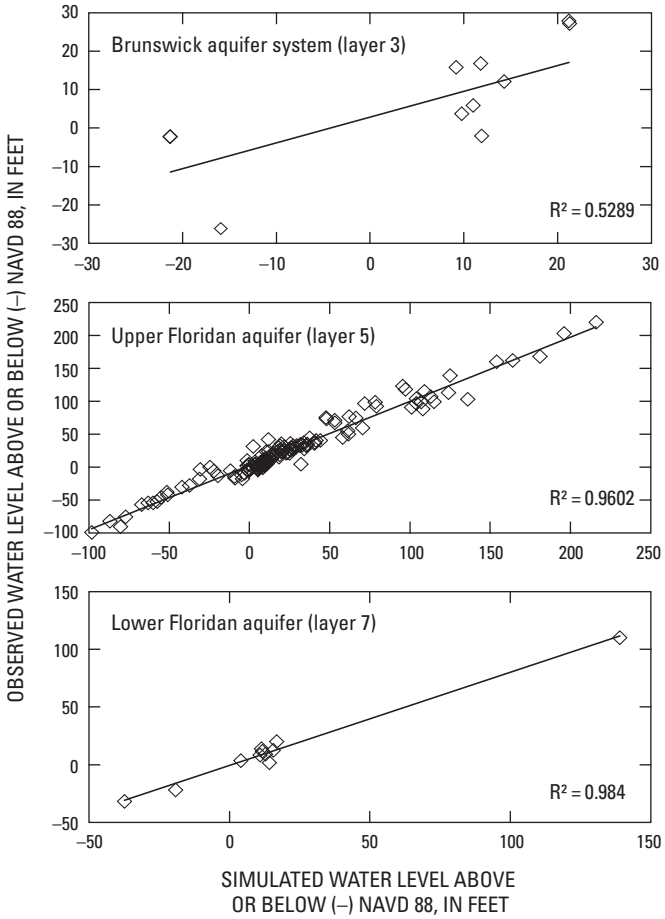


Figure A–5. Observed and simulated water levels in model layers 3, 5, and 7 revised groundwater model.

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Compliance Status Report
Review Checklist

Site Name:	HAA-15 (MCA Barracks Site)			**HSI # :**	10521
City/County:	Savannah, GA - Chatham County			**CSR Date:**	10-2011
PRP:	Fort Stewart/Hunter AAF	**Revision No. (if applicable):**	1	**Consultant**	ARCADIS

Release to Soil?	**YES**	**NO**	**Release to Groundwater:**	**YES**	**NO**				
Soil RRS Certification:	**Type 1**	**Type 2**	**Type 3**	**Type 4**	**Type 5**	**Cannot certify**			
GW RRS Certification:	**Type 1**	**Type 2**	**Type 3**	**Type 4**	**Type 5**	**Cannot certify**			

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
391- 3-19-.06(3)(b)(1)	**A description of each known source which has contributed to or is contributing to a release at the site including:**		
391- 3-19-.06(3)(b)(1)(i)	**Source name, number, or other descriptor;**	Y	Pg. 7-1
391- 3-19-.06(3)(b)(1)(ii)	**Location of source on a map (minimum scale of 1" = 200');**	Y	Figure 4-2
391- 3-19-.06(3)(b)(1)(iii)	**Name of each regulated substance released from each source;**	Y	Pg. 7-1
391- 3-19-.06(3)(b)(1)(iv)	**Chronology of each source of a release; and**	Y	Pgs. 4-1 through 4-2
391- 3-19-.06(3)(b)(1)(v)	**If source is an engineered structure or waste management unit, a description of the function, design, dimensions, capacity and operation of the source, including as-built construction diagrams**	Y	Pgs. 4-1 and 4-2

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
	where available.		
	Releases to Soil		
391- 3-19-.06(3)(b)(2)	**Complete definition of horizontal and vertical extent of soil contamination to background. Background shall be determined using samples representative of soil conditions not affected by a release of a regulated substance. In support of the definition of the extent of contamination, the CSR shall include, at a minimum:**		
391- 3-19-.06(3)(2)(b)(i)	**General approach used;**	Y	Pgs. 5-1 through 5-15
391- 3-19-.06(3)(b)(2)(ii)	**Analytical parameters selected and the rationale for selection;**	Y	Pgs. 5-1 through 5-15
391- 3-19-.06(3)(b)(2)(iii)	**Map of minimum scale of 1" = 200' showing location of all sampling points by sample number, and vertical cross-sections where appropriate. Concentrations of constituents should be indicated by isoconcentration lines.**	Y	Figures 6-3a through 6-4.
391- 3-19-.06(3)(b)(2)(iv)	**Sampling and analysis procedures including:**	Y	Appendix J
391- 3-19-.06(3)(b)(2)(iv)(I)	**Sampling equipment and collection techniques;**	Y	Appendix J
391- 3-19-.06(3)(b)(2)(iv)(II)	**Field analytical or measurement techniques including make and model of equipment and calibration schedule and type;**	Y	Appendix J
391- 3-19-.06(3)(b)(2)(iv)(III)	**Sample handling and preservation techniques;**	Y	Appendix J, pg. 4-9
391- 3-19-.06(3)(b)(2)(iv)(IV)	**Equipment decontamination procedures;**	Y	Appendix J, pg. 3-34
391- 3-19-.06(3)(b)(2)(iv)(V)	**Chain-of-custody procedures;**	Y	Appendix J, pg. 4-8
391- 3-19-.06(3)(b)(2)(iv)(VI)	**Lab techniques including references to analytical methods, including QA/QC procedures;**	Y	Appendix J, Table A-5
391- 3-19-.06(3)(b)(2)(v)	**A description of any statistical procedures used to evaluate the data;**	Y	Sections 8 and 9
391- 3-19-.06(3)(b)(2)(vi)	**Procedures used to establish background soil concentrations; and**	Y	Pgs. 9-15, 9-16, 5-3, and Appendix K

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
391- 3-19-.06(3)(b)(2)(vii)	**Narrative and tabular summary of all pertinent field data and the results of all final lab analyses that are supported by sufficient QA/QC control data to validate the results.**	Y	Tables 5-3a, 5-6a, 5-6b, and 6-1.
Releases to Groundwater			
391- 3-19-.06(3)(b)(3)	**Complete definition of horizontal and vertical extent of groundwater contamination to background. Background shall be determined using samples representative of groundwater conditions not affected by a release of a regulated substance. In support of the definition of the extent of contamination, the CSR shall include, at a minimum:**		
391- 3-19-.06(3)(b)(3)(i)	**Analytical parameters selected and the rationale for selection;**	Y	Pgs. 5-1 through 5-5
391- 3-19-.06(3)(b)(3)(ii)	**A description of methods used to characterize sub-surface geology;**	Y	Appendix J, pg. 3-1
391- 3-19-.06(3)(b)(3)(iii)	**A description of methods used to characterize vertical and horizontal groundwater flow gradients, flow rates, and flow directions;**	Y	Pgs. 6-2 and 6-3
391- 3-19-.06(3)(b)(3)(iv)	**Methods used to determine hydraulic conductivities and other pertinent hydrogeological characteristics, including a description of any slug and/or aquifer tests;**	Y	Pgs. 5-1 and 5-2, Appendix A
391- 3-19-.06(3)(b)(3)(v)	**A description of groundwater monitoring well locations, and their installation and construction methods, including:**	Y	Figure 5-1, Appendix D, and Appendix J
391- 3-19-.06(3)(b)(3)(v)(I)	**A map (minimum scale 1"= 200') depicting all existing well locations including a survey of each well=s surface reference point and the elevation of its top-of-casing;**	Y	Figure 5-1 and Table 5-4
391- 3-19-.06(3)(b)(3)(v)(II)	**Type of well casing material;**	Y	Appendix D
391- 3-19-.06(3)(b)(3)(v)(III)	**Description of well intake design including screen slot size and length, filter pack materials and length, and method of filter pack emplacement;**	Y	Appendix D
391- 3-19-.06(3)(b)(3)(v)(IV)	**Method used to seal the well from the surface and any other features designed to prevent or minimize downward migration of**	Y	Appendix D

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
	contaminants along the well annulus; and		
391- 3-19-.06(3)(b)(3)(v)(V)	**Description of methods and procedures used to develop the wells.**	Y	Appendix J, pg. 3-18
391- 3-19-.06(3)(b)(3)(vi)	**Description of all sampling and analysis procedures used including:**		
391- 3-19-.06(3)(b)(3)(vi)(I)	**Procedures and timing for measuring groundwater elevations for each sampling event;**	Y	Appendix J, pg. 3-17
391- 3-19-.06(3)(b)(3)(vi)(II)	**Well evacuation procedures including well volume evacuated prior to sampling;**	Y	Appendix J, pg. 3-18
391- 3-19-.06(3)(b)(3)(vi)(III)	**Sample withdrawal techniques, sampling equipment and materials;**	Y	Appendix J, Section 3.6.2
391- 3-19-.06(3)(b)(3)(vi)(IV)	**Sample handling and preservation techniques;**	Y	Appendix J, pg. 4-9
391- 3-19-.06(3)(b)(3)(vi)(V)	**Equipment decontamination procedures;**	Y	Appendix J, Section 3.1.2
391- 3-19-.06(3)(b)(3)(vi)(VI)	**Chain-of-custody procedures;**	Y	Appendix J, Section 4.3
391- 3-19-.06(3)(b)(3)(vi)(VII)	**Lab techniques including references to analytical methods, including QA/QC procedures;**	Y	Appendix J, Table A-5
391- 3-19-.06(3)(b)(3)(vii)	**Description of procedures used to determine background groundwater concentrations;**	Y	Appendix K and Section 9
391- 3-19-.06(3)(b)(3)(viii)	**Map (minimum scale of 1" = 200') or less depicting the horizontal extent of contamination. Concentrations should be indicated by isoconcentration lines.**	Y	Figures 6-5 and 6-6
391- 3-19-.06(3)(b)(3)(ix)	**Map (minimum scale of 1" = 200') or less depicting the potentiometric surface of groundwater;**	Y	Figures 6-2a and 6-2b
391- 3-19-.06(3)(b)(3)(x)	**Maps and vertical cross-sections of appropriate scale depicting concentrations for all contaminants superimposed upon site stratigraphic features and monitoring wells; and**	Y	Figures 6-1a, 6-1b, 6-7 through 6-16.
391- 3-19-.06(3)(b)(3)(xi)	**Narrative and tabular summary of all pertinent field data and the results of all final lab analyses that are supported by sufficient**	Y	Tables 5-1 through 5-3c, 5-7 through 5-8

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
	QA/QC control data to validate the results.		
ADDITIONAL REQUIREMENTS			
391- 3-19-.06(3)(b)(4)	**A description of any human or environmental receptors who may have been or could potentially be exposed to a release at the site.**	Y	Section 8
391- 3-19-.06(3)(b)(5)	**A description of all properties which are part of the site including the address and location of such property, its legal description, and the property owner=s name, address and telephone number.**	--	NA
391- 3-19-.06(3)(b)(6)	**The name, address, and telephone number of any other person who may be a responsible party for the site and a description of the type and amount of regulated substances such party may have contributed to a release.**	--	NA
391- 3-19-.06(3)(b)(7)	**A summary of previous actions taken to eliminate, control or minimize any potential risk at the site, including actions taken to comply with the risk reduction standards.**	Y	Section 8.4
391- 3-19-.06(3)(b)(10)	**Attached to the front of the CSR, concise statement of the findings of the report presented in plain language, immediately followed by the certification required by 391-3-19-.06(4)(a).**	Y	Pgs. xv through xx and pg. 1-1
391-3-19-.06(4)(a)	**The CSR shall include a compliance certification regarding the responsible party=s own determination as to the status of a site or any individual property at a site with regard to the applicable risk reduction standards for all regulated substances evaluated by the CSR.**	Y	Pg. 2-1
391-3-19-.06(4)(b)	**The CSR certification shall be signed by the applicable person described in Items 1 - 4 of .03(6)(c). Where the CSR is submitted for two or more cooperating responsible parties, the certification may be signed by a duly authorized representative of said responsible parties.**	Y	Pg. 2-1
391-3-19-.06(4)(c)	**Any person signing the certification of compliance shall make the certification specified in the Rules.**	Y	Pg. 2-1

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
391- 3-19-.06(5)(a)	**Within 7 days of submitting the CSR, RP shall publish a notice in both a major local newspaper of general circulation and the legal organ of the local governments in whose jurisdiction the site is located, announcing that such a report is available for inspection by the general public, including:**	Y	Section 10
391- 3-19-.06(5)(a)(1)	**The name, address, and location of the site as it appears on the HSI, and, if the plan applies to less that the full site, the street address and owner=s name of the applicable properties;**	Y	Title page and pg. 3-1
391- 3-19-.06(5)(a)(2)	**The statement provided in this section;**	Y	Section 10
391- 3-19-.06(5)(a)(3)	**Announcement of a 30-day comment period and the name, address, and phone number of the EPD contact person to whom written or oral comments can be made;**	Y	Section 10
391- 3-19-.06(5)(a)(4)	**Name, address, and phone number of the RP or its designated contact person; and**	Y	Section 10
391- 3-19-.06(5)(a)(5)	**Location where the report may be viewed or copied.**	Y	Section 10
391- 3-19-.06(5)(e)	**Within 7 days of submitting the CSR to EPD, the RP shall provide to the count government in the county in which the site is located and to the government of any city in whose jurisdiction the site is located the same information required above.**	Y	Section 10
391-3-19-.07(4)	**For corrective action to be in compliance with these standards, the following common elements are required:**		
391-3-19-.07(4)(a)	**Removal of all free product to the extent practicable.**	Y	Pgs. xv through xx
391-3-19-.07(4)(b)	**No soil remaining in place shall exhibit the hazardous waste characteristics of ignitability, corrosivity, or reactivity.**	Y	Pgs. xv through xx
391-3-19-.07(4)(c)	**Shall not allow exposure to concentrations which would cause food chain contamination, damage to soils or to biota which could impair the use of the soils for agricultural or silvicultural purposed, adverse effects on vegetation or wildlife, or the accumulation of vapors in**	Y	Pgs. xv through xx

RULE SECTION	DESCRIPTION OF REQUIREMENT	Y or Ξ	Location in CSR (i.e. pg.)
	buildings or other structures which pose a threat to human health and the environment.		
391-3-19-.07(4)(d)	**Shall protect the waters of the State from releases that would cause surface water to exceed the Georgia in-stream water quality standards.**	Y	Section 8
391-3-19-.07(4)(e)	**If the detection limit and/or the background concentration for a regulated substance is greater than the concentration specified in any risk reduction standard, the greater of the detection limit or background shall be used for determining compliance with the risk reduction standards.**	Y	Sections 8 and 9

__X__ **Groundwater work certified by a geologist, etc.**

_____ **Corrective Action Plan included.**

Additional Notes: